

DEGREE QUADRANGLE 36°-37°, 118°-119°

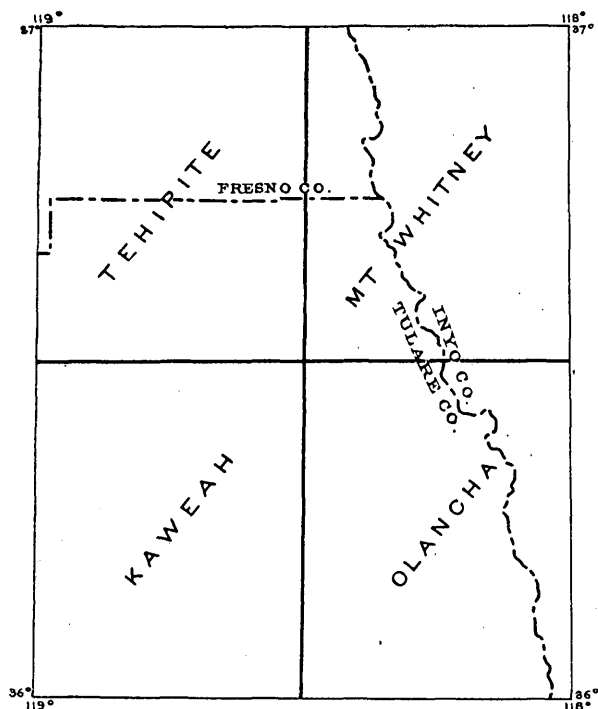


FIGURE 27.—Diagram of degree quadrangle 36°-37°, 118°-119°

KAWEAH QUADRANGLE

[Latitude 36°-36° 30'; longitude 118° 30'-119°]

TULARE COUNTY

Primary leveling in 1902 by W. V. Hardy and in 1904-5 by R. A. Farmer,
M. D. Shannon, and C. H. Semper

From Lemoncove easterly along county road via Three Rivers to Mineral King,
thence southeast along trail over Farewell Gap to Wet Meadows

	Feet
T. 18 S., R. 28 E., sec. 4, 60 feet northeast of Horse Creek bridge, south side of road, 3 feet southwest of oak tree at southwest end of gate on road up Horse Creek; iron post stamped "610 G"-----	610.390
T. 17 S., R. 28 E., sec. 24, 1.42 miles north of Three Rivers post office, junction of Mineral King and Giant Forest wagon roads, 100 feet east of south end of Kaweah River bridge, in boulder; bronze tablet stamped "816 G"-----	816.151
Three Rivers post office, 5 miles northeast of, 40 feet east of Mount Whitney Co.'s power house, north of road, in side of large granite boulder, 30 inches above level of road; bronze tablet stamped "1145 G"-----	1,145.805

	Feet
Oak Grove telephone station, 120 feet north of, south of road, 30 inches east of gate; iron post stamped "2704 G"-----	2, 705. 029
Tranger's camp, 100 feet west of stream, north of road, in granite bedrock, 24 inches above level of road; bronze tablet stamped "4595 G"-----	4, 595. 303
Atwells Mills, 125 feet north of, 45 feet north of skid road, red-wood stump 15 feet in diameter; 10-penny wire nail in root-----	6, 452. 664
Mineral King, 85 feet south of hotel, granite boulder 120 by 180 inches by 30 inches high; bronze tablet stamped "7832 G"-----	7, 832. 136
Farewell Gap, quartz ledge cropping 30 by 12 inches and 8 inches high; bronze tablet stamped "10588 G"-----	10, 589. 005
Wet Meadows, 120 feet south of junction of trail down Little Kern River with trail to Hacketts Meadow and Quinn's horse camp, 40 feet east of river, 20 feet above stream at trail crossing, west side of trail down river, granite boulder, 30 by 36 by 12 inches; bronze tablet stamped "7924 G"-----	7, 923. 691

From Wet Meadows, on Little Kern River, southwest along trail via Enterprise to Springville (Daunt post office)

Quinn's horse camp, on summit west of, 25 feet northwest of junction of trail to Hacketts Meadow, in granite boulder 30 by 30 by 84 inches; bronze tablet stamped "9680 G"-----	9, 679. 725
Moses Mountain, at east foot of, at junction of trail down North Fork of Middle Fork of Tule River with trail to Enterprise Mill, about 300 feet east of river, 4 feet north of trail, granite boulder 36 by 48 inches and 24 inches high; bronze tablet stamped "6614 G"-----	6, 613. 299
Enterprise Mill, 0.19 mile east of, on summit, 15 feet southeast of road, in granite boulder, 48 by 96 inches and 24 inches high; bronze tablet stamped "6652 G"-----	6, 651. 483
Rancheria, 2.1 miles southeast of creek crossing, junction of road to Coburn dump, 4 feet west of road, 4 feet south of oak tree; iron post stamped "3202 G"-----	3, 203. 297
T. 20 S., R. 29 E., sec. 14, 2.7 miles south of Milo, 50 feet southwest of junction of road up North Tule River, in granite boulder 48 by 144 inches and 18 inches high; bronze tablet stamped "1391 G"-----	1, 391. 523
Springville, sec. 2, T. 21 S., R. 29 E., north side of school, midway between east and west entrance; iron post stamped "1032 G"-----	1, 032. 755

From Springville southwest along county road to Porterville

T. 21 S., R. 29 E., northwest corner of sec. 16, west side of Orange School, midway between north and south entrances; iron post stamped "745 G"-----	745. 761
T. 21 S., R. 29 E., west side of sec. 24, 20 feet west of Citrus School, 30 inches south of gate; iron post stamped "622 G"-----	622. 346

From Yokohl School east up Yokohl Valley and over gap to Milo

T. 19 S., R. 27 E., sec. 24, 70 feet southwest of Yokohl School, 20 feet north of road, in embedded granite boulder 36 by 72 inches and 12 inches high; bronze tablet stamped "636 G"-----	636. 518
T. 19 S., R. 28 E., sec. 15, about 400 feet north of A. Carlson's ranch house, south of road, 30 inches east of gate; iron post stamped "991 G"-----	991. 702

	Feet
Blue Ridge, south end of, summit on road, 15 feet north of road, in granite ledge; bronze tablet stamped "2675 G"-----	2, 675. 511
From Three Rivers post office south along county road to Cinnamon School (single spur line)	
Cinnamon School, 50 feet northeast of, 15 feet northeast of road, in top of granite boulder 36 by 60 inches and 30 inches high; bronze tablet stamped "1496 G"-----	1, 496. 507
From Springville east along road to Elster's ranch (single spur line)	
Elster's ranch house, 300 feet west of, south of Middle Fork of Tule River, south of road, 10 feet southwest of gate, in granite boulder 30 by 30 by 14 inches; bronze tablet stamped "1206 G"-----	1, 206. 734
From Citrus School via county road to Fraziers School (single spur line)	
T. 20 S., R. 28 E., sec. 32, 18 inches east of Fraziers School, 18 inches south of steps at north entrance; iron post stamped "585 G"-----	585. 869
From Portersville east along county road to Worth School (single spur line)	
T. 22 S., R. 28 E., sec. 3, 45 feet south of Worth School, 3 feet east of gate; iron post stamped "571 G"-----	570. 965
From Wet Meadows southeast along Little Kern River, north up Shotgun Creek, and southeast along Poison Meadow trail to Great Western Divide, connecting with work on Olancha quadrangle	
Great Western Divide, in saddle of spur running west from point about 0.25 mile south of Rifle Creek, 10 feet east of Poison Meadow trail, in granite rock; aluminum tablet stamped "9046 G 1905"-----	9, 046. 550

MOUNT WHITNEY QUADRANGLE

[Latitude 36° 30'-37° 00'; longitude 118°-118° 30']

INYO, FRESNO, AND TULARE COUNTIES

Precise leveling by R. A. Farmer in 1905

North along Southern Pacific R. R. to Aberdeen

	Feet
Mount Whitney station, 0.5 mile south of, 100 feet south of milepost 281; iron post stamped "3681"-----	3, 680. 044
Mount Whitney station, in front of; top of east rail-----	3, 687. 3
Mount Whitney station, 2.5 miles north of, 3 feet east of track, opposite milepost 278; iron post stamped "3690"-----	3, 688. 217
Mount Whitney station, 5.5 miles north of, 10 feet south of milepost 275; iron post stamped "3718"-----	3, 716. 131
Francis, in front of station; top of east rail-----	3, 722. 5
Francis, 100 feet northeast of station, east of track; iron post stamped "3723"-----	3, 721. 516
Francis, 3 miles north of station, at milepost 269; iron post stamped "3739"-----	3, 737. 743
Citrus, in front of station; top of east rail-----	3, 763. 4
Citrus, in front of station; iron post stamped "3766"-----	3, 764. 515

	Feet
Citrus, 3 miles north of station, at milepost 264; iron post stamped "3764"-----	3,762.043
Citrus, 6 miles north of station; iron post stamped "3786"-----	3,783.717
Aberdeen, 5 miles south of, 20 feet north of milepost 258; iron post stamped "3815"-----	3,812.541
Aberdeen, 2 miles south of, at milepost 255; iron post stamped "3837"-----	3,829.533

Primary leveling by L. F. Biggs in 1905

From Mount Whitney station west along wagon road and trail to summit of Mount Whitney

Mount Whitney station, southeast corner of, spike in base of telegraph pole. (This from precise line from Keeler to Law)-----	3,688.274
Lone Pine, in front of post office; iron post stamped "3728 B 1905"-----	3,725.260
Stone house, 200 feet south of, southwest of creek, granite boulder 20 by 8 by 7 feet, 10 feet south of road; aluminum tablet stamped "4519 B 1905"-----	4,516.931
Lone Pine Creek canyon, mouth of, 400 feet east of falls, south of trail, in face of rock 20 by 10 by 6 feet; aluminum tablet stamped "6670 B 1905"-----	6,667.902
Hunters camp ground, 20 feet south of trail, at bottom of steep pitch to the lakes, rock 10 by 6 feet and 5 feet out of ground; aluminum tablet stamped "8373 B 1905"-----	8,370.741
Summit of divide of Sierra Nevada Mountains where Lone Pine trail crosses, 20 feet north and west of trail, in granite wall; aluminum tablet stamped "13337 B 1905"-----	13,334.986
Mount Whitney, on south slope of (b. m. No. 35 by Semper), junction of Lone Pine Creek and Crabtree Creek trails; rock on top, marked "13766"-----	13,766.68
Mount Whitney, highest point of summit, in large rock 6.5 feet south and 5 feet west of center of monument; aluminum tablet half an inch thick, 4.5 inches wide, and 7 inches long, engraved as follows: "U. S. Geological Survey, Charles D. Walcott, Director, Latitude 36° 44' 44'', Longitude 118° 17' 29'', Elevation above sea, 14,501, 1905"-----	14,500.737

Primary leveling by C. H. Semper in 1905

From Mount Whitney west along trail to Crabtree Meadow, thence northwest to Kern River, thence south down Kern River to Rock Creek

Crabtree Meadow, at junction of trail to Mount Whitney, Kern River, and Whitney Creek, top of very large rock; aluminum tablet stamped "10330 G 1905 7 S"-----	10,331.784
East Fork of Kern River, 2.4 miles north of, on cut-off trail, 30 feet northeast of crossing of small creek, south margin of trail, on north face of large boulder in small meadow; aluminum tablet stamped "9837 1905 6 S"-----	9,838.278

Primary leveling by L. F. Biggs in 1905

From Lone Pine south along road 8 miles

Lone Pine, in front of post office; iron post stamped "3727 B"-----	3,725.260
Lone Pine, 5 miles south of, 100 feet south of gulch, 20 feet west of road; iron post stamped "3711 B"-----	3,708.545

From Lone Pine north along road to Independence, thence east to Citrus

	Feet
Lone Pine, 4 miles north of, 60 feet east of road, in granite boulder ; aluminum tablet stamped "B"-----	3,722.051
Lone Pine, 7 miles north of, 20 feet east of road ; iron post stamped "B"-----	3,810.507
Independence, 5.5 miles south of, 80 feet north of Shepherd's house, 50 feet west of road, in boulder ; aluminum tablet stamped "3873 B"-----	3,870.355
Independence, 2 miles south of, at top of hill, 100 feet west of road, in boulder ; aluminum tablet stamped "B"-----	3,940.258
Citrus, in front of station ; iron post stamped "F 10"-----	3,764.515

From Independence north along road to Aberdeen

Independence, in west wall of courthouse ; aluminum tablet stamped "B"-----	3,923.098
Independence, 4.5 miles north of, 15 feet west of road, 400 feet south of house, granite boulder ; aluminum tablet stamped "3891 B"-----	3,887.888
Independence, 7.5 miles north of, 20 feet west of road ; iron post stamped "3868 B"-----	3,865.482
Independence, 10.5 miles north of, 60 feet west of road ; 500 feet north of stream crossing, 0.5 mile west of Eaton's house, in volcanic rock ; aluminum tablet stamped "3933 B"-----	3,930.044
Aberdeen, 2.8 miles southwest of, 2 miles north of Eaton's house, east side of road, volcanic rock ; aluminum tablet stamped "3864 B"-----	3,860.760

Precise leveling along the Los Angeles Aqueduct by the Aqueduct Commission in 1907, adjusted by the Geological Survey in 1922

Young's, west of, city's intake on right bank of Owens River, on ridge 300 feet ; standard L. A. A. pipe, No. 1, stamped with elevation and number, marked with red, white, and blue flag on pole----	3,830.530
Black Rock Springs, above wagon road where it skirts north edge of ; brass plug in lava rock, stamped with elevation and "L. A. A. No. 2," rock marked "L. A. A. B. M. No. 2" in white paint-----	3,825.285
Young's grade station 388+00, 500 feet west of northeast corner SW. ¼ sec. 26, T. 12 S., R. 34 E., MDM, 2 feet north of fence and 275 feet east of large cottonwood tree in abandoned apple orchard ; standard L. A. A. pipe, No. 3, 115 feet, marked with red, white, and blue flag on pole-----	3,811.145
Young's grade station 492+436, 120 feet west of, 2 feet south of fence on third standard parallel south, MDM ; standard L. A. A. pipe, No. 4, marked with red, white, and blue flag on pole-----	3,813.493
Young's grade station 606+06, 120 feet west of ; standard L. A. A. pipe, No. 5, marked with red, white, and blue flag on pole-----	3,808.633
Young's grade station 731+00, 215 feet southwest of, 30 feet west of northwest corner of sod-fence corral, 675 feet north of Citrus road at crossroads and of southeast corner of sec. 16, T. 13 S., R. 35 E., MDM, 2 feet west of fence line between secs. 15 and 16 ; standard L. A. A. pipe, No. 6, marked with red, white, and blue flag-----	3,805.390

	Feet
Young's grade station 908+00, 120 feet west of, half a mile east of road crossing of south line of sec. 34, T. 13 S., R. 35 E., MDM, 2 feet south of fence line on said boundary; standard L. A. A. pipe, No. 7, marked with red, white, and blue flag on pole-----	3, 802. 172
Young's grade station 1069+70, 115 feet west of, 230 feet west of northeast corner of SE. $\frac{1}{4}$ SE. $\frac{1}{4}$ sec. 14, T. 14 S., R. 36 E., 2 feet north of fence line, half a mile north of Georges Creek School, standard L. A. A. pipe, No. 8, marked with red, white, and blue flag on pole-----	3, 799. 628
Young's grade station 1159+00, 1,000 feet west of, 20 feet east of road and 6.9 miles north of Lone Pine; standard U. S. G. S. pipe stamped "L. A. A. 9" and elevation on west side of cap, marked with red, white, and blue flag on pole 200 feet west of station----	3, 810. 507
Killian's grade station 1253+00, at north end of Alabama Hills; standard L. A. A. pipe No. 10, marked with red, white, and blue flag on pole-----	3, 805. 638
Killian's grade station 1322+00, 300 feet east of, 50 feet east of road, 3.9 miles north of Lone Pine; tablet on top of boulder, standard U. S. G. S., No. 11, marked "L. A. A. B. M. No. 11 El. 3720.728" on rock in white paint (Bull. 342, p. 99)-----	3, 722. 051
Killian's grade station 1445+00, at mouth of canyon south of stamp mill on line; brass plug in flat rock 150 feet No. 12, marked with red, white, and blue flag, painted "L. A. A. B. M. 12"-----	3, 804. 560
Killian's grade station 1545+5, 120 feet north of, half a mile west of Lone Pine; brass plug in granite boulder, painted "L. A. A. B. M. 13" on rock, marked with red, white, and blue flag on pole-----	3, 795. 237
Killian's grade station 1683+00, 200 feet north of old stone house; brass plug in large granite boulder 125 feet west, marked with red, white, and blue flag and painted "L. A. A. B. M. No. 14"----	3, 754. 012
Killian's grade station 1792+73, at top of hill, 1,000 feet south of Lubkin ranch; brass plug in flat granite boulder, marked with red, white, and blue flag and painted "L. A. A. B. M. No. 15"-----	3, 791. 900
Killian's grade station 1894+00, 50 feet west of road, 10 feet south of large granite boulder, opposite north end of Owens Lake; brass plug in small granite boulder 400 feet east of, marked with red, white, and blue flag and painted "L. A. A. B. M. No. 16"-----	3, 791. 765
Killian's grade station 2021+00, 1,300 feet south of Carroll Creek, 150 feet west of auto road; standard L. A. A. pipe, marked with red, white, and blue flag-----	3, 784. 971
Downer's A line station 1036+00, 250 feet west of auto road; brass plug in rock, 100 feet west, marked with red, white, and blue flag and painted "L. A. A. B. M. No. 18"-----	3, 794. 946
Downer's A line station 953+00, brass plug in rock 150 feet west of, marked with red, white, and blue flag and painted "L. A. A. B. M. No. 19"-----	3, 784. 891
Downer's A line station 855+00, at Cottonwood Creek crossing, 150 feet south of creek and 150 feet east of cabin on hill; brass plug in rock 300 feet west, painted "L. A. A. B. M. No. 20"-----	3, 813. 649
Downer's A line station 735+00, 150 feet west of, east of mouth of Ash Creek canyon, 500 feet south of group of large boulders; brass plug in rock, marked with red, white, and blue flag and painted "L. A. A. B. M. No. 21"-----	3, 786. 509

OLANCHA QUADRANGLE

[Latitude 36°-36° 30'; longitude 118°-118° 30']

INYO AND TULARE COUNTIES

Primary leveling by L. F. Biggs and C. H. Semper in 1905

From Olancha north along road on west side of Owens Lake to point 8 miles
south of Lone Pine

	Feet
Olancha, in front of post office; iron post stamped "F 31"-----	3, 648. 259
Olancha, 4 miles north of, at top of hill, 20 feet west of road, in granite boulder; aluminum tablet stamped "3644 B"-----	3, 641. 416
Cottonwood, 1 mile south of, 40 feet east of road, in granite boulder; aluminum tablet stamped "3678 B"-----	3, 674. 918
Lone Pine, 14 miles south of, 2 miles north of Cottonwood, top of hill, 40 feet west of road, in rock; aluminum tablet stamped "3750 B"-----	3, 747. 269
Lone Pine, 11 miles south of, 50 feet east of road, granite boulder; aluminum tablet stamped "3691 B"-----	3, 688. 153
Lone Pine, 8 miles south of, 50 feet west of road at top of hill, granite boulder; aluminum tablet stamped "3691 B"-----	3, 688. 304

From Rock Creek south along Kern River to Coyote Creek¹

Rock Creek, 100 feet south of, at top of bank of creek, west margin of trail, large rock; aluminum tablet stamped "6966 G 1905 5S"-----	6, 968. 613
Big Arroyo, 125 feet south of, 10 feet west of trail, 15 feet west of 4-foot cedar tree, in large rock; aluminum tablet stamped "6662 G 1905 4 S"-----	6, 663. 970
Kern River, junction of trail down Coyote Creek with trail along Kern River, 60 feet south of Coyote Creek, west face of large granite rock; aluminum tablet stamped "6456 G 1905 3 S"-----	6, 457. 815

From Coyote Creek south along Kern River to Trout Meadow, thence west
along Jordan trail to Lloyd, thence via Lower Peppermint Meadows and
Sucker Flat to Dry Meadows

Kern Lake, surface of water, August, 1905-----	6, 232. 5
Coyote Creek, 5.3 miles south of, 100 feet north of foot of hill leading up to Trout Meadow, 600 feet south of stone wall fence across trail, in rock ledge; aluminum tablet stamped "5786 G 1905 1 S"-----	5, 788. 656
Trout Meadow, at junction of trails to Kern Flat and Dry Meadows, 275 feet north of McIntyre's cabin, 25 feet east of trail, in west face of large rock; aluminum tablet stamped "6119 G 1905 2 S"-----	6, 120. 854
Little Kern River, 2.8 miles south of, 750 feet south of summit of mountain, 20 feet west of trail leading down to Lloyds Meadow, in face of large rock; aluminum tablet stamped "6839 G 1905"-----	6, 840. 827
Lloyds Meadow, at Soda Spring, top of rock over Soda Water Flow; aluminum tablet stamped "5527 G 1905 4 S"-----	5, 529. 303
Lower Peppermint Meadow, southeast end of trail which enters small dry canyon and dense scrub oak, 15 feet west of trail, face of large rock; aluminum tablet stamped "5196 G 1905 5 S"-----	5, 198. 386
Dry Meadows, at south end of, 20 feet east of trail leading to Mat Flynn Canyon, 160 feet north of trail crossing Dry Meadow Creek, west face of very large granite rock; aluminum tablet stamped "4341 G 1905 6 S"-----	4, 343. 958

¹ Line crosses Kern River at south end of Upper Funston Meadow.

From Kern River west via Coyote and Rifles creeks to Great Western Divide

Feet

Great Western Divide, at summit, trail leading south, top of large rock; aluminum tablet stamped "10033 G 1905 2 S"-----10,033.649

TEHIPITE QUADRANGLE

[Latitude 36° 30'-37°; longitude 118° 30'-119°]

FRESNO AND TULARE COUNTIES

Primary leveling by L. D. Ryus in 1903 and R. A. Farmer in 1904-5

From Kaweah Bridge northeast via Marble Fork and Horse Corral to Cedar Grove

Feet

T. 16 S., R. 28 E., sec. 26, 7 miles north of Kaweah Bridge, on point of hill on grade 2 miles north of Davis ranch, in top of 5 by 6 foot rock on east side of road; bronze tablet-----1,279.07
 Sequoia National Park, 2,100 feet south of Cedar Creek camp, west side of road at point of hill, in granite ledge; bronze tablet-----3,789.80
 Sequoia National Park, 130 feet east of Marble Fork Bridge, east of road and Marble Fork of Kaweah River on Giant Forest road, 50 feet north of small bridge over stream, in granite ledge; bronze tablet-----5,161.00
 Sequoia National Park, at upper crossing of Marble Fork of Kaweah River, 200 feet south of Marble Fork, 25 feet west of trail, in granite rock; bronze tablet-----6,720.24
 T. 14 S., R. 30 E., "J. O." Pass about 2 miles north of Clover Creek, 15 feet east of trail, 10 feet from signboard tree, in rock; bronze tablet-----9,414.97
 Horse Corral Meadow, sec. 32, T. 13 S., R. 30 E., at fork of King River and Millwood and Giant Forest trails, at foot of mound, in top of granite rock; bronze tablet-----7,648.90

From Cedar Grove northwest via Tehipite, Crown Valley, and Sampler cow camp to Snow Corral Meadows

Cedar Grove Hotel, 0.25 mile east of, sec. 13, T. 13 S., R. 30 E., 250 feet north of trail, 600 feet north of bridge over South Fork of King River, in granite rock 6 feet high; bronze tablet-----4,635.02
 Happy Gap or Red Saddle, sec. 30, T. 12 S., R. 30 E., summit of ridge between Middle Fork and South Fork of King River, in ledge of rock 40 feet south of trail; bronze tablet-----9,310.83
 T. 12 S., R. 29 E., sec. 11, Tehipite Valley, 1.3 miles south of Tehipite Dome, 200 feet north of ford, west bank of Middle Fork of King River, in large rock; bronze tablet-----4,085.70
 Crown Valley or Collins Meadow, sec. 30, T. 11 S., R. 29 E., at junction of Tunemah and Tehipite trails, 100 feet east of Rodgers corral, at Crown Valley camp, in granite rock, 4.5 feet high, 10 feet square; bronze tablet stamped "7879 F"-----7,882.69
 Three Springs, 1.5 miles east of, sec. 16, T. 11 S., R. 28 E., south side of trail, 200 feet west of small meadow, at rocky point 2 miles west of creek, 700 feet east of summit of ridge, in granite ledge; bronze tablet-----8,274.41
 Cliff Camp, 1 mile northwest of, north line of sec. 12, T. 11 S., R. 27 E., in granite ledge on west bank of North Fork of King River, 50 feet north of sheep bridge; tablet-----6,177.98

From Three Springs south to Rodgers Ridge

Feet

T. 12 S., R. 27 E., sec. 1, 5.5 miles southwest of Three Springs, 150 feet south of forks of trail on Rodgers Ridge, about 3.5 miles south of crossing of Rancheria Creek, in rock; bronze tablet----- 6,844.28

From Horse Corral Meadow west along trail via Big Meadow and General Grant National Park to Millwood

Big Meadow, sec. 8, T. 14 S., R. 29 E., 125 feet south of road, between Ellis camp and Open Meadow, at foot of rock mound; bronze tablet----- 7,662.74

Log Corral Meadow, sec. 4, T. 14 S., R. 28 E., 300 feet west of forks of General Grant Park and Happy Gap trails, 50 feet south of Happy Gap and Millwood trail, north side of road, in granite rock; bronze tablet----- 7,229.19