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CANCELLED.

RESULTS OF SPIRIT LEVELING  
IN COLORADO

1896 TO 1914, INCLUSIVE

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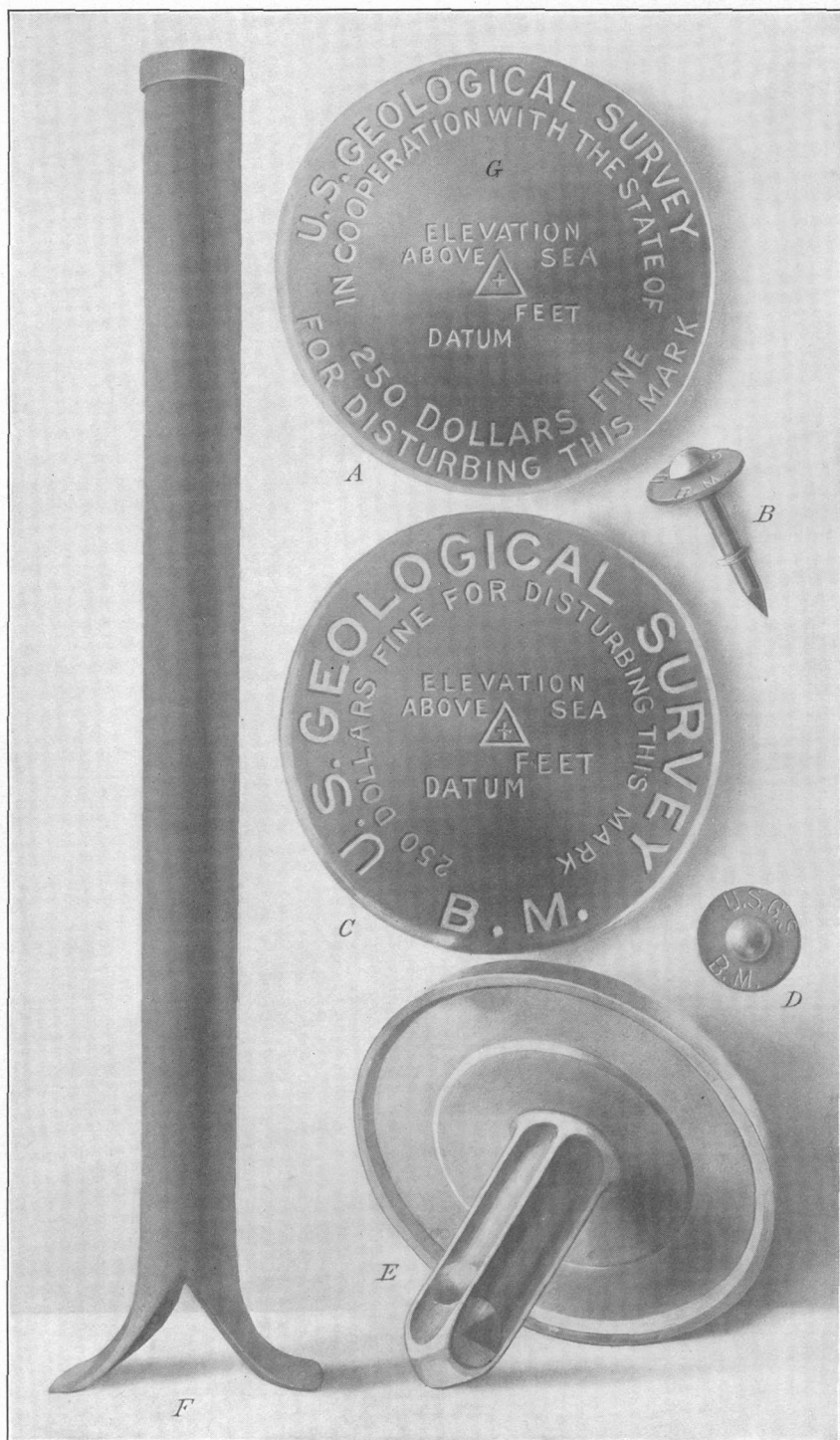
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GEOLOGICAL SURVEY BENCH MARKS.

*A*, Tablet used in cooperating States. The State name is inserted at *G*.  
*B* and *D*, Copper temporary bench mark, consisting of a nail and copper washer.  
*A*, *C*, and *E*, Tablets for stone or concrete structures.  
*F*, Iron post used where there is no rock.

# RESULTS OF SPIRIT LEVELING IN COLORADO, 1896 TO 1914, INCLUSIVE.

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R. B. MARSHALL, Chief Geographer.

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## INTRODUCTION.

*Previous publication.*—The results of spirit leveling previously published in Bulletin 486, containing descriptions and elevations of bench marks established in Colorado from 1896 to 1910, inclusive, and based on the preliminary 1911 adjustment, have been corrected to agree with the 1912 adjustment of precise leveling of the Coast and Geodetic Survey and are here republished, together with all results of spirit leveling by the United States Geological Survey since 1910. The elevations are likely to be changed but slightly by any future adjustment.

*Personnel.*—The field work from 1896 to 1906, inclusive, was done under the general direction of E. M. Douglas, geographer; that for 1907 to 1909, inclusive, under E. C. Barnard, geographer; and the later work under Sledge Tatum, geographer, under the general direction of R. B. Marshall, chief geographer. The names of the respective levelmen are given in the introductions to the several lists. The office work of computation, adjustment, and preparation of lists was done mainly by S. S. Gannett, geographer, under the general direction of E. M. Douglas, geographer.

*Classification.*—The elevations are classified as precise or primary, according to the methods employed in their determination. For precise-level lines instruments and rods of the highest grade are used, each line is run in both forward and backward directions, and every precaution is taken to guard against error. The allowable divergence between the forward and the backward lines in feet is represented by the formula  $0.017\sqrt{D}$ , in which  $D$  is the distance in miles between bench marks. For primary lines standard Y levels are used; lines are run in circuits or are closed on precise lines, with an allowable losing error in feet represented by  $0.05\sqrt{D}$ , in which  $D$  is the length of the circuit in miles, sufficient care being given to the work to maintain this standard. For levels of both classes careful office adjustments are made, the small outstanding errors being distributed over

the lines. Orthometric corrections have been applied in determining the following elevations.

*Bench marks.*—The standard bench marks are of two forms. The first form is a circular bronze or aluminum tablet (*C* and *E*, Pl. I),  $3\frac{1}{2}$  inches in diameter and one-fourth inch thick, having a 3-inch stem, which is cemented in a drill hole in solid rock in the wall of some public building, a bridge abutment, or other substantial masonry structure. The second form (*F*, Pl. I), used where masonry or rock is not available, consists of a hollow wrought-iron post  $3\frac{1}{2}$  inches in outer diameter and 4 feet in length. It is split at the bottom and expanded to a width of 10 inches in order to give a firm bearing on the earth, and is set about 3 feet in the ground. A bronze or aluminum-bronze cap is riveted upon the top of the post. A third style of bench mark with abbreviated lettering (*B* and *D*, Pl. I) is used for unimportant points. This consists of a special copper nail,  $1\frac{1}{2}$  inches in length, driven through a copper washer seven-eighths of an inch in diameter.

The tablets, as well as the caps on the iron posts, are appropriately lettered, and State cooperation is indicated by the addition of the State name (*G*, Pl. I).

The numbers stamped on the bench marks described in the following pages represent the elevations to the nearest foot, as determined by the levelman. These numbers are stamped with  $\frac{3}{16}$ -inch steel dies on the tablets or post caps, to the left of the word "feet." The office adjustment of the notes and the reduction to mean sea level datum may so change some of the figures that the original markings are 1 or 2 feet in error. It is assumed that engineers and others who have occasion to use the bench-mark elevations will apply to the Director of the United States Geological Survey at Washington, D. C., for the adjusted values, and will use the markings as identification numbers only.

*Datum.*—All United States Geological Survey elevations are referred to mean sea level, which is the level that the sea would assume if the influence of tides and winds were eliminated. This level is not the elevation determined from the mean of the highest and the lowest tides, nor is it the half sum of the mean of all the high tides and the mean of all the low tides, which is called the half-tide level. *Mean sea level is the average height of the water, all stages of the tide being considered.* It is determined from observations made by means of tidal gages placed at stations where local conditions, such as long narrow bays, rivers, and like features will not affect the height of the water. To obtain even approximately correct results these observations must extend over at least one lunar month, and if accuracy

is desired they must extend over several years. At ocean stations the half-tide level and the mean sea level usually differ but little. It is assumed that there is no difference between the mean sea levels determined from observations in the Atlantic Ocean, the Gulf of Mexico, or the Pacific Ocean.

The connection with tidal stations for bench marks in certain areas that lie at some distance from the seacoast is still uncertain, and this fact is indicated by the addition of a letter or word to the right of the word "Datum" on tablets or posts. For such areas corrections of published results will be made from time to time as the precise-level lines of the United States Geological Survey or other Government organizations are extended.

*Topographic maps.*—Maps of the following quadrangles, wholly or partly in Colorado, have been published by the United States Geological Survey up to April 6, 1915. They may be obtained (except as noted) for 10 cents each, or \$3 for fifty, on application to the Director of the Geological Survey, Washington, D. C.:

Abajo (Utah-Colo.).	*East Denver. <sup>2</sup>
Albany (Colo.-Kans.).	East Tavaputs (Utah-Colo.).
Anthracite.	Eaton.
Apishapa.	Elmoro.
*Arkansas River drainage basin.	Encampment special (Wyo.-Colo.).
Arroyo.	Engineer Mountain.
Ashley (Utah-Colo.).	Fort Collins. <sup>4</sup>
Aspen.	Georgetown.
Aspen special.	Granada (Colo.-Kans.).
Axial.	Grand Hogback.
Big Springs.	Greeley.
Blackhawk. <sup>1</sup>	Hahns Peak.
Boulder.	Higbee.
Breckenridge special.	Huerfano Park.
Canon City.	Idaho Springs special.
Castle Rock.	Ignacio.
Catlin.	Jensen (Utah-Colo.).
Central City.	Kit Carson.
Central City special.	Lake City.
Cheyenne Wells (Colo.-Kans.).	Lamar.
Colorado Springs.	La Plata.
Crested Butte.	La Sal (Utah-Colo.).
Cripple Creek special.	Las Animas.
Danforth Hills.	Leadville.
Denver (double sheet). <sup>2</sup> 20 cents.	Leadville mining district. 25 cents.
Durango. <sup>3</sup>	Limon.

\* Out of print.

<sup>1</sup> Shows wooded areas.

<sup>2</sup> Denver double sheet includes East Denver sheet and the results of surveys of about half the similar quadrangle next west.

<sup>3</sup> Durango sheet, on scale of 1:62500, has been reduced and forms part of Ignacio sheet, on scale of 1:125000.

<sup>4</sup> Fort Collins sheet, on scale of 1:62500, has been reduced and forms part of Livermore sheet, on scale of 1:125000.

Livermore. <sup>1</sup>	Rangely.
Longs Peak.	Red Mesa.
Loveland.	Rico.
Medicine Bow (Wyo.-Colo.).	Rico special.
Meeker.	Sanborn.
Mesa de Maya.	San Cristobal. <sup>2</sup>
Mesa Verde National Park. 40 cents.	Silver Plume special.
Monument Butte.	Silverton.
Mount Carrizo.	Spanish Peaks.
Mount Olympus.	Springfield.
Needle Mountains.	Telluride.
Nepesta.	Tenmile district special.
Niwot.	Timpas.
Ouray.	Two Butte.
Pikes Peak.	Uncompahgre.
Pikes Peak special. 20 cents.	Vilas (Colo.-Kans.).
Platte Canyon.	Walsenburg.
Pueblo.	White River.

### PRECISE LEVELING.

Cameo, Como, Delta, Denver, Eagle, Glenwood Springs, Grand Junction, Hotchkiss, Leadville, Montrose, Mount Powell, Platte Canyon, and Rifle quadrangles.

ARAPAHOE, DELTA, DOUGLAS, EAGLE, GARFIELD, JEFFERSON, LAKE, MESA, MONTROSE, OURAY, PARK, AND SUMMIT COUNTIES.

The elevations in this list are based on a bench mark of the Coast and Geodetic Survey near Denver, Colo., described as follows: "Petersburg, 1 mile north of, bottom of a chiseled square on second step of northeast abutment of the Denver & Rio Grande Railroad bridge." Its elevation is accepted as 5,281.269 feet.

The leveling was done in 1908 by C. H. Semper.

### DENVER QUADRANGLE.

[Latitude 39° 30'-40°; longitude 104° 30'-105° 30'.]

From Denver via Denver & Rio Grande R. R. to Acequia, thence west along road and Colorado & Southern Ry. to Platte Canyon.

Petersburg, 1 mile north of, on second step from top of north stone abutment of Denver & Rio Grande R. R. bridge, east of track; bottom of chiseled square (C. & G. S. b. m.).....	Feet. 5,281.269
Littleton, 1.09 miles north of, on top step, east side of south abutment of railroad bridge; bottom of chiseled hole.....	5,327.60
Littleton, Denver & Rio Grande R. R. station, in the end of a copper bolt in stone; intersection of cross (C. & G. S. b. m.).....	5,362.348
Wohurst, opposite station; top of rail.....	5,405.2
Wohurst, 1,075 feet south of, at south end of railroad culvert west of track, in top of retaining wall; aluminum tablet stamped "5409".....	5,408.090
Acequia, 0.5 mile north of, on top of northeast end of retaining wall for railroad culvert; chiseled square, lettered U S $\square$ B M (C. & G. S. b. m.).	5,503.824 C. S. 5,503.644 G. S.

<sup>1</sup> Fort Collins sheet, on scale of 1 : 62500, has been reduced and forms part of Livermore sheet on scale of 1 : 125000.

<sup>2</sup> Shows wooded area.

Acequia, 0.91 mile northwest of, in root of poplar tree north of road, between Denver & Rio Grande R. R. and Colorado & Southern Ry., at three corners; spike.....	Feet. 5, 412. 02
Willard, 1.14 miles north of, 100 feet east of track, in southwest abutment of highway bridge; aluminum tablet stamped "5404".....	5, 403. 139
Willard, 1.71 miles south of, in northeast abutment of culvert; aluminum tablet stamped "5455".....	5, 454. 750

## PLATTE CANYON QUADRANGLE.

[Latitude 39°-39° 30'; longitude 105°-105° 30'.]

## From Platte Canyon along Colorado &amp; Southern Ry. to Bailey.

Platte Canyon, in front of station; top of rail.....	5, 509. 7
Platte Canyon, 1.04 miles south of, 25 feet west of track, 3 feet north of telegraph pole, at north end of trestle 1037, in granite outcrop; aluminum tablet stamped "5544".....	5, 543. 165
Platte Canyon, 2.10 miles south of, 210 feet north of head gate in Platte River, 5 feet west of track, on top of large boulder; square marked "U. S. 5592 B. M.".....	5, 591. 752
Platte Canyon, 3.72 miles south of, in top of wing wall of southwest abutment of steel bridge over Platte River; aluminum tablet stamped "5671".....	5, 670. 547
Mill Gulch, in front of signboard; top of rail.....	5, 686. 7
Strontia Springs, 1.52 miles north of, 15 feet east of track, on boulder; point in square marked "U. S. B. M. 5736".....	5, 735. 900
Strontia Springs, 0.67 mile north of, east of track, on boulder; point in square marked "U. S. B. M. 5798".....	5, 797. 159
Strontia Springs, in front face of Strontia Springs Hotel; aluminum tablet stamped "5864".....	5, 863. 271
Strontia Springs, 1.24 miles south of, west of track, on boulder; point in square marked "U. S. B. M. 5994".....	5, 994. 010
Strontia Springs, 2.25 miles south of, west of track, on boulder; point in square marked "U. S. B. M. 6087".....	6, 086. 642
South Platte, in front of station; top of rail.....	6, 093. 4
South Platte, 160 feet south of, at west edge of park fence, in boulder; aluminum tablet stamped "6094".....	6, 093. 669
South Platte, 1.12 miles south of, west of track at small flume crossing river, on rock; point in square marked "U. S. B. M. 6138".....	6, 137. 966
Dome Rock, 900 feet north of, west of track, on rock; point in square marked "U. S. B. M. 6208".....	6, 207. 530
Dome Rock, in front of station; top of rail.....	6, 216. 4
Dome Rock, 800 feet south of, in top of front foundation of water tank; aluminum tablet stamped "6229".....	6, 229. 091
Dome Rock, 1.05 miles south of, west of track, on rock; point in square marked "U. S. B. M. 6266".....	6, 266. 135
Dome Rock, 2.28 miles south of, 60 feet west of track, in small flat, on large boulder; point in square marked "U. S. B. M. 6359".....	6, 359. 060
Stone, 204 feet south of signboard, in west side of stone abutment of culvert; aluminum tablet stamped "6425".....	6, 424. 749
Petershead, in front of station sign; top of rail.....	6, 486. 2
Petershead, 120 feet south of, 6 feet east of track, on large granite boulder; point in square marked "U. S. B. M. 6488".....	6, 487. 515
Ferndale, 1,100 feet north of, 12 feet west of track, in granite outcrop; aluminum tablet stamped "6539".....	6, 538. 918
Ferndale, in front of signboard; top of rail.....	6, 549. 0

Ferndale, 0.57 mile south of, west of track, in boulder; point in square marked "U. S. B. M. 6596".....	Feet. 6, 595. 411
Riverview, in front of signboard; top of rail.....	6, 604. 3
Buffalo, in front of station; top of rail.....	6, 630. 0
Buffalo, in front face of J. W. Green's store; aluminum tablet stamped "6634".....	6, 633. 677
Buffalo, 1 mile west of, north of track, on rock; point in square marked "U. S. B. M. 6680".....	6, 679. 276
Pine Grove, in front of station; top of rail.....	6, 754. 7
Pine Grove, 295 feet west of station, 80 feet north of track, in east corner stone of fence around Columbine Cottage; aluminum tablet stamped "6766".....	6, 765. 736
Crystal Lake, in front of signboard; top of rail.....	6, 763. 2
Crystal Lake, 0.46 mile west of, north of track, on rock; point in square marked "U. S. B. M. 6789".....	6, 789. 026
Carla, in front of signboard; top of rail.....	6, 844. 8
Carla, 0.29 mile west of, north of track, on rock; point in square marked "U. S. B. M. 6854".....	6, 853. 739
Glenmore Lakes, in front of signboard; top of rail.....	6, 880. 8
Cliff, 950 feet north of, 6 feet east of track, in top of large boulder; aluminum tablet stamped "6916".....	6, 915. 770
Cliff, in front of station; top of rail.....	6, 923. 7
Cliff, 1.66 miles west of, south of track, on rock; point in square marked "U. S. B. M. 7068".....	7, 067. 637
Crosson, in front of signboard; top of rail.....	7, 071. 7
Crosson, 15 feet north of track, 150 feet north of milepost 49, in boulder; aluminum tablet stamped "7236".....	7, 235. 919
Crosson, 1.22 miles west of, on top of retaining wall of northeast abutment of steel bridge over Platte River; square marked "U. S. B. M. 7388".....	7, 387. 822
Crosson, 2.27 miles west of, 150 feet east of milepost 51, south of track, on rock; point in square marked "U. S. B. M. 7529".....	7, 528. 700
Estabrook, 1,800 feet west of, in southeast abutment of steel bridge over river; aluminum tablet stamped "7572".....	7, 572. 043
Insmont, 650 feet east of, 160 feet west of milepost 53, north of track, on outcrop of rock; point in square marked "U. S. B. M. 7660".....	7, 659. 880
Insmont, in front of station; top of rail.....	7, 660. 8
Fairview, in front of station; top of rail.....	7, 689. 8
Fairview, 700 feet west of, north of track, on boulder; point in square marked "U. S. B. M. 7693".....	7, 692. 788
Bailey, in front of station; top of rail.....	7, 730. 2
Bailey, 620 feet west of station, 50 feet south of track, 20 feet east of small bridge over Platte River, in granite outcrop; aluminum tablet stamped "7733".....	7, 732. 600

## COMO QUADRANGLE.

[Latitude 39°-39° 30'; longitude 105° 30'-106°.]

## From Bailey west along Colorado &amp; Southern Ry. to Bakers Tank.

Bailey, 1.13 miles west of, in top of northwest bent of bridge 1081, on top of bolt; point in square marked "U. S. B. M. 7794".....	7, 793. 5
Glenisle, in front of station; top of rail.....	7, 831. 2
Grousemont, in front of station; top of rail.....	7, 925. 5

Grousemont, 40 feet west of station, 30 feet north of track, in large boulder; aluminum tablet stamped "7931".....	Feet. 7,930.500
Maddox, in front of signboard; top of rail.....	7,990.2
Altruria, in front of signboard; top of rail.....	8,022.9
Shawnee, in front of station; top of rail.....	8,066.0
Shawnee, 325 feet west of station, 20 feet south of track, in large boulder; aluminum tablet stamped "8066".....	8,066.4
Boxwood Spur, in front of station sign; top of rail.....	8,184.9
Boxwood Spur, 0.32 mile west of, north of track, in base of whistle post; spike marked "U. S. B. M. 8206".....	8,206.3
Long Meadow, in front of signboard; top of rail.....	8,239.3
Kline, 40 feet east of station signboard south of track, on rock; point in square marked "U. S. B. M. 8287".....	8,286.912
Chase, in front of station; top of rail.....	8,352.0
Chase, 290 feet west of, 50 feet south of track, in large boulder; aluminum tablet stamped "8361".....	8,360.615
Cassells, 130 feet west of station, at cattle guard, south of track, on rock; point in square marked "U. S. B. M. 8423".....	8,423.27
Cassells, in front foundation of Cassells Hotel; aluminum tablet stamped "8445".....	8,445.446
Cassells, 1.30 miles west of, north of track, 15 feet south of road, on rock; point in square marked "U. S. B. M. 8505".....	8,504.63
Grant, in front of station; top of rail.....	8,575.3
Grant, 0.18 mile west of, 5 feet north of track, 20 feet south of road, at east end of cut, in boulder; aluminum tablet stamped "8591".....	8,590.744
Grant, 1.52 miles west of, south of track, on rock; point in square marked "U. S. B. M. 8769".....	8,768.98
Webster, 0.01 mile west of station, 20 feet south of track, 15 feet west of wooden bridge, in boulder; aluminum tablet stamped "9020".....	9,020.078
Webster, 0.96 mile west of, 15 feet north of track, 80 feet west of bridge, on rock; point in square marked "U. S. B. M. 9180".....	9,180.20
Hoosier, 1.17 miles east of, 65 feet east of road crossing, 5 feet north of track, in cut; aluminum tablet stamped "9541".....	9,541.316
Hoosier, 1.07 miles west of, 425 feet east of milepost 75, 25 feet south of track, at base of telegraph pole, on rock; point in square marked "U. S. B. M. 9843".....	9,843.62
Kenosha, in front of station; top of rail.....	9,990.7
Kenosha, 120 feet east of east corner of station, 100 feet west of north corner of section house, 140 feet north of track, in granite outcrop; aluminum tablet stamped "9992".....	9,991.998
Kenosha, 0.85 mile west of, 250 feet west of milepost 77, north of track, on rock; point in square marked "U. S. B. M. 9834" (should be marked "9857").....	9,857.39
Kenosha, 2.54 miles west of, 20 feet north of track, 65 feet south of fence, 160 feet west of cattle guard, in boulder; aluminum tablet stamped "9587".....	9,587.126
Jefferson, in front of station; top of rail.....	9,507.9
Jefferson, northwest corner of front face of schoolhouse; aluminum tablet stamped "9500".....	9,500.203
Michigan, 225 feet south of track, in front foundation of C. E. Whitten's ranch house; aluminum tablet stamped "9504".....	9,504.103
Michigan, in front of signboard; top of rail.....	9,515.2
Como, in front of station; top of rail.....	9,795.2



Como, in front face of railroad hotel, at southwest corner; aluminum tablet stamped "9796".....	Feet. 9,796.633
Como, 1.07 miles west of, north track, on bowlder; point in square marked "U. S. B. M. 9908".....	9,908.50
Como, 2.09 miles west of, south of track, on bowlder; point in square marked "U. S. B. M. 9996".....	9,996.63
Peabody's, 20 feet west of signboard, 12 feet south of track, in large rock; aluminum tablet stamped "10097".....	10,097.887
Peabody's, 1 mile northwest of, west of track, on rock; point in square marked "U. S. B. M. 10284".....	10,284.513
Halfway, 0.10 mile west of station, 160 feet east of milepost 94, 15 feet west of old water tank, 15 feet north of track, in granite outcrop; aluminum tablet stamped "10577".....	10,577.757
Halfway, 1 mile northwest of, 150 feet north of milepost 95, 15 feet east of track, on rock; point in square marked "U. S. B. M. 10766".....	10,766.07
Halfway, 3.22 miles northwest of, 95 feet west of snowshed, 35 feet north of track, 0.14 mile west of milepost 97; aluminum tablet stamped "11176".....	11,176.925
Boreas, in front of station; top of rail.....	11,489.57
Boreas, 350 feet west of station, 65 feet southeast of west end of snowshed, in top of granite bowlder; aluminum tablet stamped "11482".....	11,483.086
Farnham, 0.74 mile northwest of, east of track, on bowlder; point in square marked "U. S. B. M. 11133".....	11,133.35
Dwyer, in front of signboard; top of rail.....	11,097.0
Bakers Tank, 0.06 mile northwest of, 115 feet northwest of water tank, 15 feet east of track, in outcrop of red stone; aluminum tablet stamped "10860".....	10,860.783
Bakers Tank, 1.06 miles northwest of, 200 feet northwest of sign reading "1 mile to water tank," east of track, on rock; point in square marked "U. S. B. M. 10692".....	10,692.68

## LEADVILLE QUADRANGLE.

[Latitude 39°-39° 30'; longitude 106°-106° 30'.]

## From Argentine along Colorado &amp; Southern Ry. to Leadville.

Argentine, in front of signboard; top of rail.....	10,604.1
Argentine, 0.46 mile northwest of, 160 feet southeast of milepost 104, east of track, on rock; point in square marked "U. S. B. M. 10545".....	10,545.40
Pittsburg, in front of signboard; top of rail.....	10,337.5
Pittsburg, 353 feet northwest of signboard, west of track, on rock; point in square marked "U. S. B. M. 10326".....	10,326.81
Washington, 300 feet northwest of signboard, 5 feet north of rail, in granite bowlder; aluminum tablet stamped "10231".....	10,231.400
Breckenridge, 3.10 miles southeast of, north of track, on rock; point in square marked "U. S. B. M. 10053".....	10,053.90
Breckenridge, 2.13 miles southeast of, north of track, on rock; point in square marked "U. S. B. M. 9883".....	9,883.50
Breckenridge, 1.80 miles south of, 350 feet south of track, 150 feet south of siding, east of public road, in large granite bowlder; aluminum tablet stamped "9844".....	9,844.837
Puzzle, in front of signboard; top of rail.....	9,804.1
Breckenridge, in front of station; top of rail.....	9,565.0
Breckenridge, in front of face of H. C. Finding's store; aluminum tablet stamped "9577".....	9,577.582

Wheeler, 1.50 miles southwest of, east of track; point on rock marked	Feet.
“U. S. B. M. 10002”	10,001.73
Johnson, in front of signboard; top of rail	10,044.48
Harrison, in front of signboard; top of rail	10,195.1
Harrison, 0.17 mile southwest of, 270 feet north of milepost 129, 400 feet southwest of culvert 1332, 30 feet west of track, in granite boulder; aluminum tablet stamped “10226”	10,226.433
Wilder, in front of signboard; top of rail	10,259.2
Wilder, 1.25 miles southwest of, east of track, on boulder; point in square marked “U. S. B. M. 10375”	10,374.86
Kokomo, 0.72 mile north of, east of track, on rock; point in square marked “U. S. B. M. 10494”	10,494.66
Kokomo, 160 feet north of, north end of snowshed, 15 feet east of track, in large granite boulder; aluminum tablet stamped “10618”	10,618.692
Robinson, in front of signboard; top of rail	10,855.5
Robinson, 0.95 mile south of station, 100 feet west of Colorado & Southern Ry. track, 120 feet east of Denver & Rio Grande R. R. track, 50 feet northwest of miner's abandoned cabin, 15 feet west of old mine shaft, in flat granite boulder; aluminum tablet stamped “11003”	11,003.414
Buffer, 30 feet north of signboard, 8 feet east of track, on top of granite boulder; point in square marked “U. S. B. M. 11146”	11,146.45
Buffer, in front of signboard; top of rail	11,148.55
Climax, 100 feet south of signboard, 25 feet east of main track, 8 feet north of telegraph pole, in top of granite boulder; aluminum tablet stamped “11320”	11,320.495
Climax, 1.06 miles south of, east of track, on rock; point in square marked “U. S. B. M. 11250”	11,250.14
Wortmans, 0.92 mile south of, 45 feet west of culvert 1352, south of track; point on rock marked “U. S. B. M. 11158”	11,158.71
Wortmans, 1.70 miles west of, 310 feet west of milepost 140, north of track; point on rock marked “U. S. B. M. 11082”	11,082.10
Wortmans, 2.65 miles west of, 40 feet west of sign “1 mile to water tank,” 50 feet east of milepost 141, 15 feet north of track, in top of granite boulder; aluminum tablet stamped “10994”	10,994.619
French Gulch, 35 feet north of signboard, in west front of stone foundation of water tank; chiseled square marked “U. S. B. M. 10901”	10,900.98
Birdseye, 1.21 miles north of, 1,050 feet north of milepost 143, east of track, south end of cut, on rock; point in square marked “U. S. B. M. 10783”	10,783.72
Birdseye, 40 feet north of signboard, 90 feet east of handcar house, 5 feet north of siding, in large granite boulder; aluminum tablet stamped “10673”	10,673.202
Birdseye, 0.68 mile south of, 350 feet west of milepost 145, 8 feet south of track; top of large boulder marked “U. S. B. M. 10611”	10,611.71
Birdseye, 1.67 miles south of, east of track, 125 feet south of milepost 146, 165 feet north of sign “1 mile to water tank”; point on rock marked “U. S. B. M. 10522”	10,522.89
Birdseye, 2.73 miles south of, 300 feet south of milepost 147, in south foundation of water tank; aluminum tablet stamped “10416”	10,416.814
Birdseye, 3.6 miles south of, opposite milepost 148, 3 feet east of track, on rock; point in square marked “U. S. B. M. 10330”	10,352.77
Birdseye, 4.62 miles south of, opposite milepost 149, east of track, on rock; point in square marked “U. S. B. M. 10324”	10,324.11

Leadville, crossing of Colorado & Southern Ry. and Denver & Rio Grande R. R.; no record of mark, probably top of rail.....	Feet. 10,235.8
Leadville, in front of Colorado & Southern R. R. station; top of rail.....	10,207.3
Leadville, southwest corner, front face of post office; aluminum tablet stamped "10153".....	10,153.696
Leadville, at southeast corner of courthouse, in front face; aluminum tablet stamped "10140".....	10,140.990

**From Leadville along Denver & Rio Grande R. R. to Pando.**

Leadville, in front of Denver & Rio Grande R. R. station; top of rail.....	10,184.7
Leadville, 0.65 mile west of Denver & Rio Grande R. R. station, 370 feet east of sign "Leadville 1 mile," north of track, on rock; point in square marked "U. S. B. M. 10101".....	10,101.32
Leadville, 199 miles west of, 90 feet east of wooden box culvert, 850 feet east of milepost 278, north of track, on rock; point in square marked "U. S. B. M. 9909".....	9,909.51
Leadville Junction, in front of station; top of rail.....	9,744.8
Leadville Junction, 0.28 mile north of, 50 feet south of east end of wooden bridge, 30 feet south of road, 5 feet south of fence, 10 feet east of Tennessee River, in top of granite boulder; aluminum tablet stamped "9755".....	9,755.837
Keeldar, opposite milepost 277, 45 feet west of track, 75 feet northwest of switch stand, south end of siding, east of fence, in granite boulder; aluminum tablet stamped "9936".....	9,936.351
Keeldar, in front of signboard; top of rail.....	9,958.9
Tennessee Pass, in front of station; top of rail.....	10,219.1
Tennessee Pass, 430 feet north of station, in north foundation stone of water tank; aluminum tablet stamped "10223".....	10,223.088
Mitchell, in front of signboard; top of rail.....	9,914.9
Mitchell, 915 feet north of signboard, 600 feet south of milepost 284, west of track, in granite boulder; aluminum tablet stamped "9890".....	9,890.412
Mitchell, 3.25 miles north of, 175 feet south of milepost 287, west of track, in face of granite boulder; aluminum tablet stamped "9415".....	9,415.505
Pando, 2.27 miles north of, 80 feet south of milepost 291, in southwest abutment of bridge 290 B over Eagle River; aluminum tablet stamped "9042".....	9,042.534

**MOUNT POWELL QUADRANGLE.**

[Latitude 39° 30'-40'; longitude 106°-106° 30'.]

**From Bartholomew along Denver & Rio Grande R. R. to Minturn.**

Bartholomew, in front of signboard; top of rail.....	9,379.1
Breckenridge, 2.03 miles northwest of, on northwest abutment of steel bridge over river; center of square marked "U. S. B. M. 9534".....	9,354.38
Braddock, in front of signboard; top of rail.....	9,241.5
Dickey, 340 feet south of station, in front face of stone pump house; aluminum tablet stamped "9009".....	9,009.086
Dickey, 2.12 miles southwest of, at southeast end of bridge 1324, south bank of creek, on large granite boulder; point in square marked "U. S. B. M. 9121".....	9,120.70
Frisco, 45 feet southeast of station, 30 feet east of track, in face of large granite boulder; aluminum tablet stamped "9097".....	9,097.077
Frisco, in front of station; top of rail.....	9,097.6
Curtin, in front of signboard; top of rail.....	9,296.2
Curtin, 0.99 mile southwest of, at aerial tramway, 20 feet west of track, 12 feet north of bunk house, in granite boulder; aluminum tablet stamped "9454".....	9,454.084

Curtin, 4.12 miles southwest of, 45 feet east of water tank, 5 feet east of track, in granite bowlder; aluminum tablet stamped "9739" .....	Feet. 9, 739. 436
Red Cliff, in front of station; top of rail.....	8, 599. 9
Red Cliff, 160 feet north of station, 40 feet west of platform, 50 feet west of small tool house, 10 feet west of track; aluminum tablet stamped "8598" ..	8, 598. 524
Rock Creek, 0.22 mile north of, 45 feet north of milepost 297, 15 feet east of track, in face of cut; aluminum tablet stamped "8266".....	8, 265. 897
Minturn, 1.95 miles south of, 120 feet south of milepost 300, east of track, in top of concrete culvert; aluminum tablet stamped "7968".....	7, 968. 344
Minturn, 0.05 mile south of station, east of track, at northwest corner of section house, in front face; aluminum tablet stamped "7819".....	7, 819. 165
Minturn, in front of station; top of rail. ....	7, 814. 94
Minturn, 3.98 miles west of, 250 feet east of milepost 306, 20 feet south of track, in top of large granite bowlder; aluminum tablet stamped "7571" ..	7, 570. 938

**EAGLE QUADRANGLE.**

[Latitude 39° 30'–40°; longitude 106° 30'–107°.]

**From Avon along Denver & Rio Grande R. R. to Gypsum.**

Avon, in front of station; top of rail.....	7, 456. 2
Avon, 1.16 miles west of, 550 feet west of milepost 309, north of track, south of fence, in top of granite bowlder; aluminum tablet stamped "7379" .....	7, 378. 563
Avon, 2.88 miles west of, 900 feet east of milepost 311, 270 feet east of crossing of private road to Frank Germon's farm, in top of large granite bowlder; aluminum tablet stamped "7300" .....	7, 299. 626
Allenton, 80 feet east of signboard, 175 feet north of bridge over Eagle River, 60 feet south of track, in large granite bowlder; aluminum tablet stamped "7135" .....	7, 134. 775
Allenton, in front of signboard; top of rail.....	7, 135. 6
Wolcott, 2.16 miles east of, 525 feet east of milepost 317, 160 feet northeast of northeast corner of wooden bridge over Eagle River, 25 feet south of track, 21 feet north of fence, in top of flat granite rock; aluminum tablet stamped "7041".....	7, 040. 459
Wolcott, 1.06 miles east of, north of track, 120 feet east of milepost 318; point on rock marked "U. S. B. M. 6997".....	6, 996. 30
Wolcott, in front of station; top of rail. ....	6, 966. 4
Wolcott, 45 feet north of northeast corner of Eagle River Inn fence, 40 feet west of southwest corner of O. E. Smith's blacksmith shop, 100 feet south of southeast corner of wooden bridge over Eagle River, 5 feet east of road, in top of large granite bowlder; aluminum tablet stamped "6955".....	6, 954. 793
Sherwood, 1.68 miles west of, 20 feet west of track, 35 feet west of milepost 323, in top of flat granite bowlder; aluminum tablet stamped "6864" .....	6, 863. 814
Ortega, 2.34 miles west of, 310 feet east of milepost 326, 15 feet south of track, 10 feet north of fence, in granite bowlder; aluminum tablet stamped "6718" .....	6, 717. 490
Eagle, in front face of northwest corner of Eagle Club building; aluminum tablet stamped "6602".....	6, 601. 542
Eagle, in front of station; top of rail. ....	6, 590. 3
Eagle, 2.75 miles west of, 250 feet south of track at crossroads, in northwest corner of Shirley R. Tuck's house; aluminum tablet stamped "6493"....	6, 492. 286
Gypsum, east side of front steps of schoolhouse, on top of third step; aluminum tablet stamped "6334".....	6, 333. 441
Gypsum, 2.16 miles west of, south of track, 80 feet south of milepost 388, 25 feet north of fence, in top of flat granite bowlder; aluminum tablet stamped "6267".....	6, 266. 323

## GLENWOOD SPRINGS QUADRANGLE.

[Latitude 39° 30'-40°; longitude 107°-107° 30'.]

## From Dotsero along Denver &amp; Rio Grande R. R. to New Castle.

Dotsero, 0.7 mile east of, 215 feet west of milepost 342, 90 feet south of track, 3 feet inside of fence, at east end of old wooden gate, in top of small granite boulder; aluminum tablet stamped "6162" .....	Feet. 6, 161. 765
Dotsero, in front of signboard; top of rail. ....	6, 157. 9
Dotsero, 1.3 miles west of, 130 feet east of milepost 344, south of track, in face of side rock cut; aluminum tablet stamped "6151" .....	6, 150. 160
Shoshone, 3.5 miles east of, 190 feet east of milepost 347, 10 feet north of track, in top of large granite boulder; aluminum tablet stamped "6132" ..	6, 131. 410
Shoshone, 0.5 mile east of, 75 feet west of milepost 350, 75 feet west of west end of tunnel, south of track, in rock cut; aluminum tablet stamped "6118" .....	6, 117. 236
Shoshone, in front of station; top of rail. ....	6, 109. 7
Shoshone, 1.36 miles west of, 675 feet east of milepost 352, in west end of northwest stone abutment of bridge 351 A; aluminum tablet stamped "6057" .....	6, 056. 766
Shoshone, 4.52 miles west of, near east end of Grizzly spur, 12 feet north of side track, 275 feet east of milepost 355, in top of granite boulder; aluminum tablet stamped "5865" .....	5, 864. 232
Grizzly, in front of signboard; top of rail .....	5, 859. 0
Glenwood Springs, 2.2 miles east of, 210 feet west of milepost 358, 20 feet north of track, in top of large granite boulder; aluminum tablet stamped "5785" .....	5, 784. 131
Glenwood Springs, 0.91 mile east of, north of track, at west end of tunnel, on rock; point in square marked "U. S. B. M. 5779" .....	5, 778. 55
Glenwood Springs, 400 feet west of station, 15 feet north of track, top of abutment of highway bridge over Grand River; marked point in square. ....	5, 740. 00
Glenwood Springs, in front of station; top of rail .....	5, 747. 7
Glenwood Springs, in face of retaining wall at west end of station, 75 feet south of track; aluminum tablet stamped "5751" .....	5, 750. 716
Glenwood Springs, in face of stone column at main entrance of Colorado Hotel; aluminum tablet stamped "5764" .....	5, 763. 526
Glenwood Springs, north side of Grand River, 40 feet west of bath house No. 3, in west end of retaining wall of highway; copper plug stamped " <del>57282</del> <sup>18</sup> " (Central Colorado Power Co.'s bench mark) .....	5, 740. 679
Glenwood Springs, 2.66 miles west of, 115 feet east of large yellow barn with red roof, in top of northeast corner of railroad culvert; aluminum tablet stamped "5707" .....	5, 706. 776
Glenwood Springs, 3.75 miles west of, north of trail, at foot of milepost 364; point on rock .....	5, 688. 66
Chacra, 2.2 miles east of, north of track, 70 feet east of milepost 366, in face of large granite boulder; aluminum tablet stamped "5654" .....	5, 653. 227
New Castle, 3.65 miles east of, 80 feet west of milepost 369, north of track, in top of large granite boulder; aluminum tablet stamped "5613" .....	5, 612. 119

## RIFLE QUADRANGLE.

[Latitude 39° 30'-40°; longitude 107° 30'-108°.]

## From New Castle along Denver &amp; Rio Grande R. R. to Grand Valley.

New Castle, 1,480 feet east of station, in top of east side of north abutment of Colorado Midland Ry. bridge; bronze tablet stamped "5552" .....	5, 551. 374
New Castle, in front of station; top of rail (Colorado Midland Ry. track) ..	5, 551. 3

	Feet.
West New Castle, in front of station sign; top of rail.....	5, 544. 9
NOTE.—The Colorado Midland Ry. and the Denver & Rio Grande R. R. use the same track from this point west.	
New Castle, 2.95 miles west of, 225 feet east of milepost NC 3, 40 feet north of west end of railroad bridge 2 A, 40 feet north of track, 5 feet east of gate leading to ranch, at corner of fence, in top of rock; aluminum tablet stamped "5542".....	5, 542. 077
Silt, in front of station; top of rail.....	5, 432. 3
Silt, at southeast corner of section house, in front face of foundation; aluminum tablet stamped "5434".....	5, 432. 969
Silt, 2.24 miles west of, 60 feet west of milepost NC 9, north of tracks, 25 feet below tracks, in top of wing wall of arch culvert; aluminum tablet stamped "5394".....	5, 393. 119
Rifle, 2.66 miles east of, 12 feet north of track, 0.32 mile west of milepost NC 11, in top of concrete railroad culvert; aluminum tablet stamped "5362".....	5, 361. 459
Rifle, in front of station; top of rail.....	5, 299. 6
Rifle, 35 feet north of west end of Denver & Rio Grande R. R. station, in top of concrete manhole at margin of highway; aluminum tablet stamped "5302".....	5, 301. 176
Rifle, 3.11 miles west of, 575 feet west of milepost NC 17, 155 feet west of railroad bridge 17 A, 10.3 feet north of north rail, in top of small boulder; aluminum tablet stamped "5263".....	5, 261. 959
Lacy, 1.2 miles west of, 40 feet north of milepost NC 20, 50 feet north of track, just south of fence, in top of sandstone rock; aluminum tablet stamped "5214".....	5, 213. 131
Morris, in front of station; top of rail.....	5, 203. 8
Morris, 0.5 mile west of, 30 feet north of tracks, 25 feet south of fence, 215 feet east of small log cabin, in top of large granite boulder; aluminum tablet stamped "5202".....	5, 200. 961
Grand Valley, 6.07 miles east of, 1,115 feet west of milepost NC 25, 11.5 feet north of track, in center of coping stone of railroad culvert; aluminum tablet stamped "5165".....	5, 163. 953

## CAMEO QUADRANGLE.

[Latitude 39°-39° 30'; longitude 108°-108° 30'.]

## From Grand Valley along Denver &amp; Rio Grande R. R. to Grand Junction.

Grand Valley, 2.25 miles east of, 235 feet west of milepost NC 29, 30 feet south of track, 20 feet north of fence, 185 feet east of railroad bridge 29 A, in top of granite boulder; aluminum tablet stamped "5118".....	5, 117. 672
Grand Valley, 2 miles east of, 12 feet north of track, in top of foundation of pillar of water tank; bronze tablet stamped "5095".....	5, 094. 705
Grand Valley, in front of station; top of rail.....	5, 094. 3
Grand Valley, 2.4 miles west of, north of west end of railroad bridge 33 B, in top of flat granite boulder; aluminum tablet stamped "5031".....	5, 030. 560
Una, in front of station; top of rail.....	5, 015. 9
Una, 1 mile west of, opposite milepost NC 37, 55 feet south of track, 50 feet north of fence, in top of granite boulder; aluminum tablet stamped "5024".....	5, 023. 056
De Beque, 2.78 miles east of, 360 feet west of milepost NC 41, 40 feet south of track, in top of sandstone rock; aluminum tablet stamped "4962".....	4, 961. 701
De Beque, in front of station; top of rail.....	4, 935. 4

De Beque, 3.11 miles west of, 200 feet west of milepost NC 47, in top of stone culvert; aluminum tablet stamped "4959".....	Feet. 4, 958. 092
Akin, 0.1 mile west of, 85 feet northeast of milepost NC 51, 75 feet north of main track, in face of large granite boulder; aluminum tablet stamped "4835".....	4, 834. 298
Akin, 2.1 miles west of, 110 feet east of milepost NC 53, 35 feet south of track on bank of river, in top of granite boulder; aluminum tablet stamped "4833".....	4, 832. 298
Tunnel, in front of station; top of rail.....	4, 808. 2
Tunnel, 1 mile west of, 80 feet west of west end of tunnel, 30 feet west of milepost NC 56, 6 feet north of track, in top of bottom foundation stone of old water tank; aluminum tablet stamped "4794".....	4, 793. 591
Tunnel, 4 miles west of, 20 feet east of milepost NC 59, 12 feet north of track, in face of granite boulder; aluminum tablet stamped "4773".....	4, 772. 305
Palisade, 2.41 miles east of, 138 feet west of milepost NC 62, 20 feet north of track, in top of large boulder; aluminum tablet stamped "4742".....	4, 741. 749
Palisade, in front of station; top of rail.....	4, 731. 5
Palisade, in front face of southwest corner of main entrance to Jordan Inn; aluminum tablet stamped "4729".....	4, 728. 009
Palisade, 3.95 miles west of, 0.45 mile west of milepost NC 68, 268 feet east of road crossing, 15 feet south of track, in top of railroad culvert; aluminum tablet stamped "4709".....	4, 708. 358
Clifton, 1.11 miles west of, 600 feet west of milepost NC 71, north of track, in top of parapet wall around iron pipe; aluminum tablet stamped "4685".....	4, 684. 884
Fruitvale, in front of signboard; top of rail.....	4, 653. 0

#### GRAND JUNCTION QUADRANGLE.

[Latitude 39°-39° 30'; longitude 108° 30'-109°.]

#### From Grand Junction along Denver & Rio Grande R. R. to Whitewater.

Grand Junction, 2.29 miles east of, on Teller Institute grounds, in west face of north end of brick barn; aluminum tablet stamped "4598".....	4, 597. 778
Grand Junction, in front of station; top of rail.....	4, 574. 9
Grand Junction, at station, in front face of baggage room; aluminum tablet stamped "4579".....	4, 578. 243
Grand Junction, in front face of southeast corner of Grand Valley National Bank; aluminum tablet stamped "4587".....	4, 586. 825
Grand Junction, north side of Carnegie Library building; iron post stamped "4606.2" (Reclamation Service b. m.).....	4, 595. 813
Grand Junction, 1.3 miles southeast of, 312 feet southeast of milepost D 423, 20 feet north of railroad bridge 422 A, on rock; point in square marked "U. S. B. M.".....	4, 567. 58
Grand Junction, 3.22 miles southeast of, 40 feet southeast of milepost D 421, 12 feet south of track, in top of granite boulder; aluminum tablet stamped "4587".....	4, 586. 439
Grand Junction, 6.25 miles southeast of, 315 feet southeast of milepost D 418, 50 feet east of track, in top of granite boulder; aluminum tablet stamped "4612".....	4, 610. 935
Unaweep, in front of signboard; top of rail.....	4, 616. 1
Grand Junction, 9.16 miles southeast of, 70 feet northwest of milepost D 415, west of track, in top of granite boulder; aluminum tablet stamped "4625".....	4, 624. 236

## DELTA QUADRANGLE.

[Latitude 38° 30'–39°; longitude 108°–108° 30'.]

## From Whitewater along Denver &amp; Rio Grande R. R. to Chipeta.

	Feet.
Whitewater, in front of station; top of rail.....	4, 644. 8
Whitewater, 25 feet southeast of east end of bridge; iron post stamped "4643".....	4, 643. 497
Whitewater, 1.41 miles southeast of, 80 feet southeast of milepost D 410, east of track, on rock; point in square marked "U. S. B. M. 4660".....	4, 658. 94
Whitewater, 2.38 miles southeast of, 75 feet north of milepost D 409, 55 feet east of track, in top of large rock; aluminum tablet stamped "4662"....	4, 661. 421
Kahnah, 1.96 miles southeast of, 125 feet southeast of milepost D 406, 20 feet east of track, in top of large rock; aluminum tablet stamped "4675".	4, 674. 520
Deer Run, 0.9 mile southeast of, 45 feet west of milepost D 402, 30 feet west of track, in top of large rock; aluminum tablet stamped "4694".....	4, 693. 280
Deer Run, 3.89 miles southeast of, 200 feet southeast of milepost D 399, east of track, in top of granite boulder; aluminum tablet stamped "4722"	4, 721. 442
Bridgeport, 0.32 mile northwest of, 145 feet southeast of milepost D 398, 20 feet east of track, on rock; point in square marked "U. S. B. M. 4735".	4, 734. 13
Bridgeport, 1.61 miles southeast of, 90 feet east of milepost D 396, 10 feet north of track, in top of granite boulder; aluminum tablet stamped "4750".....	4, 749. 404
Dominguez, 1.95 miles northwest of, 115 feet northeast of milepost D 393, 144 feet southeast of road crossing, 10 feet east of track, in top of granite boulder; aluminum tablet stamped "4770".....	4, 769. 151
Dominguez, 50 feet east of milepost D 391, 250 feet south of water tank; iron post stamped "4,788.4" (Reclamation Service b. m.).....	4, 778. 015
Dominguez, 3.05 miles southeast of, 95 feet southeast of milepost D 388, 32 feet south of track, in top of granite boulder; aluminum tablet stamped "4806".....	4, 805. 277
Escalante, 0.18 mile northwest of, 515 feet west of milepost D 385, 50 feet north of track, 950 feet west of Escalante siding, in top of granite boulder; aluminum tablet stamped "4826".....	4, 825. 820
Escalante, 2.93 miles southeast of, 85 feet south of milepost D 382, 12 feet east of track, in top of granite boulder; aluminum tablet stamped "4847".....	4, 846. 025
Stratter, in front of signboard; top of rail.....	4, 860. 0
Roubideau, 0.44 mile northwest of, east of track, 40 feet south of milepost D 378, on rock, point in square marked "U. S. B. M. 4874".....	4, 873. 50
Roubideau, 25 feet north of track, opposite stock yard, 16 feet west of telephone box; iron post stamped "4903" (Reclamation Service b. m.)....	4, 882. 71
Delta, 2.41 miles northwest of, 1,100 feet northwest of milepost D 375, at south end of bridge; in top of east stone abutment; aluminum tablet stamped "4913".....	4, 912. 938
Delta, 3 feet east of front of courthouse; iron post stamped "4974" (Reclamation Service b. m.).....	4, 954. 062
Delta, in front of station; top of rail.....	4, 960. 67
Delta, 3.22 miles southeast of, 5 feet southeast of telephone pole 1855, 100 feet east of track, 18 telegraph poles north of white schoolhouse; iron post stamped "5102" (Reclamation Service b. m.).....	5, 082. 101
Chipeta, in front of signboard; top of rail.....	5, 151. 8
Chipeta, 1 mile southeast of, 190 feet south of road crossing, in top of north end of retaining wall of railroad culvert; aluminum tablet stamped "5191".....	5, 191. 069



**HOTCHKISS QUADRANGLE.**

[Latitude 38° 30'-39°; longitude 107° 30'-108°.]

**From Chipeta along Denver & Rio Grande R. R. to Montrose.**

Chipeta, 2.06 miles southeast of, 5 feet south of telegraph pole 2028, 80 feet from track near culvert 365 A; iron post stamped "5250" (Reclamation Service b. m.).....	Feet. 5, 230. 648
Olathe, in front of station; top of rail.....	5, 346. 50
Olathe, 90 feet east of main track, in front of station, in line between telegraph poles 2161 and 2163; iron post stamped "5368" (Reclamation Service b. m.).....	5, 348. 739
Frosts, in front of signboard; top of rail.....	5, 446. 5
Frosts, 69 feet south of signboard, south of road to dwelling, 12 feet west of ditch; iron post stamped "5464" (Reclamation Service b. m.).....	5, 444. 553
Montrose, 4.96 miles northwest of, 45 feet east of railroad at crossing, north of road, in line with railroad fence, 1,860 feet north of schoolhouse; iron post stamped "5592" (Reclamation Service b. m.).....	5, 574. 821

**MONTROSE QUADRANGLE.**

[Latitude 38°-38° 30'; longitude 107° 30'-108°.]

**From Montrose along Denver & Rio Grande R. R. to Ridgway.**

Montrose, 2.19 miles northwest of, 1,350 feet south of milepost D 354, 300 feet south of railroad crossing, 40 feet east of tracks, 7 feet southeast of telegraph pole; iron post stamped "5722" (Reclamation Service b. m.)..	5, 702. 477
Montrose, in front of station; top of rail.....	5, 794. 5
Montrose, northwest corner of Coor's building opposite station, at corner of sidewalk, flush with ground; iron post (Reclamation Service b. m.)....	5, 794. 134
Montrose, 3.17 miles south of, 50 feet southeast of cattle guard just south of Chief Ouray's homestead, 45 feet east of track; iron post stamped "5945" (Reclamation Service b. m.).....	5, 925. 663
Montrose, 4.70 miles south of, near brick schoolhouse, 43 feet south of telephone pole 2837, 1,015 feet south of milepost D 356, at road crossing, 30 feet east of track; iron post stamped "6017" (Reclamation Service b. m.)..	5, 997. 321
Uncompahgre, in front of signboard; top of rail.....	6, 166. 2
Uncompahgre, 55 feet southeast of corner of Fenlon's store, 4 feet northwest of telephone pole 2978 marked "Montrose, 8.5 miles," at west margin of road; iron post stamped "6184" (Reclamation Service b. m.).....	6, 164. 400
Uncompahgre, 1.92 miles southeast of, in front face of southwest corner of foundation to Jutten's school; aluminum tablet stamped "6261".....	6, 260. 554
Colona, in front face of northeast corner of Odd Fellows Hall; aluminum tablet stamped "6387".....	6, 386. 474
Colona, in front of signboard; top of rail.....	6, 391. 9
Eldredge, in front of signboard; top of rail.....	6, 525. 0
Eldredge, 0.53 mile southeast of, 150 feet south of milepost D 368, 40 feet west of track, in top of large granite boulder; aluminum tablet stamped "6554".....	6, 553. 601
Eldredge, 3.14 miles southeast of, 1,875 feet north of milepost D 371, in foundation of water tank; aluminum tablet stamped "6677".....	6, 677. 115
Ridgway, 2.77 miles north of, 105 feet south of north end of switch, 40 feet west of sidetrack, in top of 3 by 2.5 by 2.5 foot stone pier; aluminum tablet stamped "6910".....	6, 910. 582
Ridgway, in front of station; top of rail.....	6, 985. 6
Ridgway, 17 feet southeast of station; iron post marked "6990 Ouray"....	6, 986. 843

## PRIMARY LEVELING.

Denver, Greeley, Loveland, and Niwot quadrangles.

ARAPAHOE, BOULDER, AND WELD COUNTIES.

The elevations in the following list are based on the elevation of the top of the lower pedestal at the southeast corner of the steps of the Colorado State capitol, at Denver. The point is marked by the letters "U. S. B. M." cut in the top of a granite block. The elevation as obtained from the Coast and Geodetic Survey transcontinental line of leveling is accepted as 5,278.527 feet.

Leveling was done in all four quadrangles in 1897 by Thomas Winsor and in 1899 by E. W. Glafcke and A. E. Franklin. Additional work was done in the Loveland and Niwot quadrangles in 1902 by F. M. Taylor.

## DENVER QUADRANGLE.

[Latitude 39° 30'-40°; longitude 104° 30'-105° 30'.]

## At Denver.

NOTE.—The first five elevations are from precise leveling by the Coast and Geodetic Survey, as described in the report for 1903, Appendix No. 3. The tablets were set by the United States Geological Survey.

	Feet.
Denver, east front of State capitol; lower pedestal, southeast corner of steps; "U. S. B. M." cut on top of granite block.....	5, 278. 527
Denver, southeast corner of State capitol grounds, azimuth station near steps, in top of stone post; aluminum tablet stamped "5275 Denver" ..	5, 278. 365
Denver, in steps at northeast corner of State capitol grounds; bronze tablet (also used as azimuth mark), stamped "5275 Denver".....	5, 277. 555
Denver, Chamber of Commerce Building, in granite block directly above corner stone, 4.5 feet above sidewalk; bronze tablet stamped "5224" ...	5, 223. 022
Denver, east front of Union Station, north side of main entrance, 2 feet above pavement; bronze tablet stamped "5184 Denver".....	5, 186. 863
Denver, east front of Union Station; cross in floor of main entrance, city datum.....	5, 184. 835
Denver, South Broadway, southwest of Colorado & Southern Ry. track, 4 feet north of electric pole of Denver Tramway Co.; iron post stamped "5258 Denver".....	5, 260. 843
T. 4 S., R. 67 W., sec. 1, 500 feet northwest of Glendale dairy, 3 feet west of a corner stone, at fence corner on southwest side of Cherry Creek road; iron post stamped "5359 Denver".....	5, 361. 777

## From Denver north along Union Pacific R. R. to Brighton.

NOTE.—The bench marks on this line were set by the United States Geological Survey, but the elevations are those determined by the line afterward run by the Coast and Geodetic Survey.

T. 3 S., R. 67 W., sec. 6, 1 mile north of Hotel Model, 18 feet northwest of track, on north side of highway; iron post stamped "5131 Denver" ..	5, 133. 739
Hazeltine, 1.2 miles southwest of, sec. 16, T. 2 S., R. 67 W., 41 feet northwest of track, on north side of highway, 200 yards north of mile board 10; iron post stamped "5090 Denver".....	5, 093. 110

Henderson, 0.5 mile northwest of, sec. 35, T. 1 S., R. 67 W., 196 feet northwest of main track, on north side of highway; iron post stamped "5034 Denver".....	Feet. 5, 036. 062
T. 1 S., R. 67 W., sec. 13, schoolhouse 10, Arapahoe County, 23 feet west of track, on north side of highway, 22 miles south of Greeley; iron post stamped "5005 Denver".....	5, 007. 973
Brighton, 1 mile north of, 24 feet west of track, on south side of highway known as Base Line road; iron post stamped "4966 Denver".....	4, 967. 877

**From Denver along Union Pacific R. R. through Magnolia to Watkins.**

NOTE.—These bench marks were set by the Geological Survey, but all except the second have been touched upon by precise levels of the Coast and Geodetic Survey, and the elevations given herewith are those determined by that survey.

Denver, 6.4 miles east of, 0.2 mile south of Sand Creek slaughterhouse, 14 feet south of main track; iron post stamped "5275 Denver".....	5, 277. 988
T. 2 S., R. 67 W., 41 feet northwest of southeast corner of sec. 33, 1.7 miles east of intersection of south township line with Chicago, Burlington & Quincy R. R.; iron post stamped "5182 Denver".....	5, 154. 860
Magnolia, 0.2 mile east of, sec. 25, T. 3 S., R. 67 W., 40 feet north of track; iron post stamped "5333 Denver".....	5, 335. 941
T. 3 S., R. 66 W., 0.2 mile south of Grippen's ranch, 100 feet north of track; iron post stamped "5400 Denver".....	5, 402. 842
T. 3 S., R. 66 W., sec. 36, 1.1 miles southeast of Behren's ranch, 50 feet south of track, 60 feet east of bridge 803; iron post stamped "5484 Denver".....	5, 486. 980
Watkins, 0.2 mile east of, sec. 36, T. 3 S., R. 65 W., 180 feet north of track; iron post stamped "5513 Denver".....	5, 515. 769

**From Watkins north to sec. 36, T. 1 S., R. 65 W.**

T. 2 S., R. 65 W., 9 feet north and 3 feet east of southwest corner of sec. 36; iron post stamped "5399 Denver".....	5, 401. 679
T. 2 S., R. 64 W., northwest corner of sec. 30, 0.5 mile north of Creutz's ranch, 42 feet southeast of intersection of forks of roads; iron post stamped "5279 Denver".....	5, 281. 689
T. 1 S., R. 65 W., 27 feet north of southwest corner of sec. 36, 1.3 miles northwest of Wellenkotter's ranch; iron post stamped "5206 Denver".....	5, 208. 475

**From Denver along Chicago, Burlington & Quincy R. R. to Erie.**

Denver, 3.5 miles north of, 200 yards southeast of Utah Junction, sec. 15, T. 3 S., R. 68 W., 64 feet west of track; iron post stamped "5219 Denver".....	5, 221. 852
Harris, 0.2 mile south of, sec. 6, T. 3 S., R. 68 W., 38 feet southwest of Union Pacific R. R. track; iron post stamped "5293 Denver".....	5, 295. 794
Semper, 0.2 mile north of, 22 feet east of Union Pacific R. R. track, 350 feet west of Semper schoolhouse, on north side of public highway; iron post stamped "5438 Denver".....	5, 440. 730
Churches, sec. 11, T. 2 S., R. 69 W., 31 feet southeast of Union Pacific R. R. track, on east side of public highway; iron post stamped "5331 Denver".....	5, 333. 727
Burns Junction, 0.2 mile northwest of, sec. 34, T. 1 S., R. 69 W., 82 feet northeast of track, north side of public highway; iron post stamped "5413 Denver".....	5, 415. 751
Clarkston, sec. 23, T. 1 S., R. 69 W., 32 feet east of main track, north side of public highway, 700 feet east of northwest corner of section; iron post stamped "5214 Denver".....	5, 216. 639

**From Golden to Denver, Edgewater.<sup>1</sup>**

Golden, entrance to the Woods-Rubey National Bank, top of stone steps; aluminum tablet stamped "5675 Denver" .....	Feet. 5, 675. 009
Gear farmhouse, 180 feet east of gate, 50 feet northeast of wagon bridge across Rocky Mountain irrigating ditch, 15 feet north of road; iron post stamped "5560 Denver" .....	5, 560. 180
Kirk's farmhouse, 90 feet east of gate, northwest corner of crossroads; iron post stamped "5575 Denver" .....	5, 575. 065
Denver, Edgewater, southwest corner of Highland Avenue and Sheridan Boulevard, in foundation at southeast corner of Edgewater grocery; aluminum tablet stamped "5353 Denver" .....	5, 353. 673

**From Golden via Coal Creek to summit of Dory Hill divide.**

Golden Pressed Brick Co.'s plant, 1.8 miles north of, at road fork, west side of road, in top of granite boulder; aluminum tablet stamped "5932 Denver" .....	5, 931. 867
Mesa between Ralston and Lyden creeks, 0.8 mile north of Ralston Creek bridge, 20 feet west of Golden-Coal Creek road, in top of sandstone ledge; aluminum tablet stamped "6008 Denver" .....	6, 007. 621

**GREELEY QUADRANGLE.**

[Latitude 40°-40° 30'; longitude 104° 30'-105°.]

**From Brighton north along Union Pacific R. R. to Greeley.<sup>2</sup>**

T. 1 N., R. 66 W., sec 17, 200 yards west of Bryan's ranch, 40 feet west of track, on north side of public highway; iron post stamped "4936 Denver" .....	4, 937. 845
Fort Lupton, northeast corner of schoolhouse grounds, sec. 5, T. 1 N., R. 66 W., 190 feet west of track; iron post stamped "4904 Denver" .....	4, 905. 821
T. 2 N., R. 66 W., sec. 20, 0.2 mile east of Knowlton's ranch, 26 feet west of track, on south side of public highway; iron post stamped "4869 Denver" .....	4, 870. 771
T. 2 N., R. 66 W., sec. 6, 0.2 mile west of Cheese's ranch, 31 feet west of track on south side of public highway, 300 feet east of main road between Platteville and Fort Lupton, 60 feet south of mile board 32; iron post stamped "4837 Denver" .....	4, 838. 652
Platteville, 0.05 mile south of, sec. 19, T. 3 N., R. 66 W., 30 feet west of track; iron post stamped "4819 Denver" .....	4, 820. 667
T. 3 N., R. 66 W., sec. 6, 0.2 mile south of Moehrl's ranch, 36 feet west of track, north side of public highway, 2.2 miles north of Platteville; iron post stamped "4795 Denver" .....	4, 796. 638
T. 4 N., R. 66 W., 0.2 mile east of northwest corner of sec. 23, 0.2 mile northeast of Lucerne's ranch, 20 feet west of track, south side of public highway; iron post stamped "4724 Denver" .....	4, 725. 673
La Salle, 0.8 mile north of, sec. 32, T. 5 N., R. 65 W., 60 feet west of track, 200 feet south of old Pikes Peak road; iron post stamped "4650 Denver" .....	4, 651. 635
Greeley, 9 feet north of south line of Tenth Street, 17 feet west of most westerly track, 12 feet south of warning signpost; iron post stamped "4651 Denver" .....	4, 652. 569

**From sec. 36, T. 1 S., R. 65 W., north to sec. 28, T. 5 N., R. 65 W.**

T. 1 N., R. 65 W., at quarter corner on south side of sec. 35, 200 yards north of Mooney's ranch, 27 feet north of forks of roads; iron post stamped "5098 Denver" .....	5, 100. 177
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<sup>1</sup> The error distributed in this line is excessive.<sup>2</sup> Elevations by U. S. Coast and Geodetic Survey precise leveling.

T. 2 N., R. 65 W., sec. 36, 53 feet northwest of Chicago, Burlington & Quincy R. R. track, 106 feet southwest of face of west abutment of bridge across Boxelder Creek, 2.6 miles northeast of Hudson station; iron post stamped "4918 Denver".....	Feet. 4, 920. 305
Boxelder Creek, 200 yards west of, 200 yards south of Oster's ranch, 36 feet southwest of intersecting crossroads; iron post stamped "4851 Denver"...	4, 853. 040
T. 3 N., R. 65 W., sec. 36, 0.8 mile south of school 41, Weld County, 36 feet west of east range line; iron post stamped "4817 Denver".....	4, 819. 154
T. 3 N., R. 64 W., southeast corner of sec. 18, 44 feet southwest of an old well, 3 feet east of fence corner; iron post stamped "4807 Denver".....	4, 808. 983
T. 3 N., R. 65 W., northwest corner of sec. 1, 14 feet south and 3 feet east of fence; iron post stamped "4817 Denver".....	4, 818. 947
T. 4 N., R. 65 W., 50 feet north of crossroads at southwest corner of sec. 14, 320 feet east of schoolhouse 5; iron post stamped "4693 Denver".....	4, 694. 860
T. 5 N., R. 65 W., southeast corner of sec. 28, 0.5 mile north of Luper's ranch, 38 feet northwest of forks of road; iron post stamped "4656 Denver"....	4, 657. 740

#### At Lafayette.

Lafayette, 0.2 mile north of station, sec. 35, T. 1 N., R. 69 W., 20 feet east of track, north side of public highway known as Base Line road; iron post stamped "5174 Denver".....	5, 176. 652
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#### From St. Vrain along Union Pacific R. R. to Dry Creek.

St. Vrain, 800 feet west of, 35 feet northeast of intersection of Union Pacific R. R. with wagon road; iron post stamped "5119 Denver".....	5, 118. 516
Dick, about 850 feet west of, 42 feet northeast of intersection of Union Pacific R. R. with wagon road; iron post stamped "5130 Denver".....	5, 129. 374
Dry Creek, 1 mile east of, 53 feet south of Union Pacific R. R. near wagon road; iron post stamped "5046 Denver".....	5, 044. 189

#### From Erie north via public roads to Windsor.

T. 2 N., R. 68 W., 4 feet north of southeast corner of sec. 33, 1 mile north of White House coal mine, 30 feet north of forks of roads; iron post stamped "5015 Denver".....	5, 014. 465
Rinn, 0.5 mile south of post office, southeast corner of sec. 15, T. 2 N., R. 68 W., 45 feet northeast of crossroads; iron post stamped "4882 Denver"...	4, 881. 384
T. 2 N., R. 67 W., southwest corner of sec. 18, 0.8 mile northwest of Ely coal mine, 60 feet east of fence corner; iron post stamped "4913 Denver".....	4, 912. 381
Scott's ranch, 100 yards south of, northwest corner of sec. 6, T. 2 N., R. 67 W., 45 feet southeast of intersection of crossroads; iron post stamped "4814 Denver".....	4, 813. 366
T. 3 N., R. 67 W., northeast corner of sec. 19, 125 feet east of school 28, Weld County, 30 feet southeast of forks of road; iron post stamped "4881 Denver".....	4, 880. 314
T. 3 N., R. 68 W., southeast corner of sec. 10, 1 mile southeast of Archer's ranch, 44 feet northwest of intersection of roads; iron post stamped "4949 Denver".....	4, 948. 261
T. 3 N., R. 68 W., at northeast corner of sec. 3, 0.2 mile north of Woodley's ranch, 44 feet southeast of intersection of crossroads; iron post stamped "5086 Denver".....	5, 085. 204
T. 3 N., R. 67 W., northeast corner of sec. 6, 1 mile south of Hills Lake, 45 feet southeast of intersection of crossroads; iron post stamped "4929 Denver".....	4, 928. 096

T. 4 N., R. 67 W., northeast corner of sec. 19, 200 feet east of Davis's ranch, 50 feet southeast of intersection of crossroads; iron post stamped "4835 Denver"	Feet. 4, 834. 165
T. 4 N., R. 68 W., northwest corner of sec. 22, 1 mile south of Sunnyside schoolhouse, district 36, Weld County, 45 feet southeast of intersection of crossroads; iron post stamped "4904 Denver"	4, 903. 049
T. 4 N., R. 68 W., northwest corner of sec. 3, 0.5 mile west of Twin Mound schoolhouse, district 38, Weld County, 35 feet southwest of forks of road; iron post stamped "5101 Denver"	5, 099. 936
T. 4 N., R. 67 W., northeast corner of sec. 6, 0.8 mile north of Dilly Chapel, 45 feet southeast of forks of road; iron post stamped "4887 Denver"	4, 886. 008
T. 5 N., R. 67 W., northwest corner of sec. 19, 0.8 mile south of Dell's ranch, 45 feet southeast of intersection of forks of roads; iron post stamped "4878 Denver"	4, 876. 922
T. 5 N., R. 68 W., southeast corner of sec. 10, 200 feet west of Spear's ranch, on northeast side of public highway, 30 feet west of fence corner; iron post stamped "4947 Denver"	4, 945. 954
T. 5 N., R. 68 W., sec. 3, 1.2 miles north of Boyd Lake, 30 feet south of fence corner; iron post stamped "5015 Denver"	5, 013. 918
T. 5 N., R. 67 W., northeast corner of sec. 5, 1 mile north of schoolhouse 22, Weld County, 106 feet southeast of stone; iron post stamped "4921 Denver"	4, 919. 819
New Windsor, 500 feet east of station, T. 6 N., R. 67 W., 35 feet southwest of Colorado & Southern Ry. track, on north side of public highway; iron post stamped "4795 Denver"	4, 793. 845

## From Windsor to Greeley.

T. 6 N., R. 67 W., sec. 25, 0.2 mile west of Rawlinson's ranch, 27 feet south of Colorado & Southern Ry. track, on east side of public highway; iron post stamped "4748 Denver"	4, 746. 807
Farmers, 500 feet west of, T. 6 N., R. 66 W., 46 feet southwest of Colorado & Southern Ry. track, south side of public road; iron post stamped "4712 Denver"	4, 710. 806
Boyd's, 500 feet southeast of, southeast corner of sec. 35, T. 6 N., R. 66 W., 100 feet northwest of intersection of crossroads, 250 feet south of Union Pacific R. R.; iron post stamped "4672 Denver"	4, 670. 858
Greeley, east front of Weld County courthouse, on north side of main entrance, on stone coping; bronze tablet stamped "4664 Denver"	4, 662. 827

## From Farmers south and east to Union Pacific R. R.

T. 5 N., R. 66 W., sec. 3, 0.5 mile north of Haymaker's ranch, 5 feet west of fence corner, at forks of roads; iron post stamped "4836 Denver"	4, 834. 817
T. 5 N., R. 66 W., quarter corner on south side of sec. 21, 150 feet north of schoolhouse of district 24 in Weld County, 50 feet northwest of intersection of crossroads; iron post stamped "4830 Denver"	4, 828. 776
T. 4 N., R. 66 W., sec. 2, 0.2 mile south of Dunbar's ranch, 30 feet north of forks of roads; iron post stamped "4675 Denver"	4, 673. 889

## From Greeley through Lucerne and Kersey to Greeley.

T. 6 N., R. 65 W., quarter corner on west side of sec. 29, 200 feet southwest of Henry's ranch house; iron post stamped "4718 Denver"	4, 716. 347
Lucerne, southwest corner of sec. 17, T. 6 N., R. 65 W., sixth principal meridian, on brick church, in stone foundation of west wall; aluminum tablet stamped "4749 Denver." (Elevation by Coast and Geodetic Survey)	4, 746. 864

T. 6 N., R. 65 W., southwest corner of sec. 13, 150 feet south of Hilton's ranch house, at base of northeast fence post; iron post stamped "4700 Denver".....	Feet. 4, 698. 646
T. 6 N., R. 64 W., northeast corner of sec. 20, 7 miles east of Lucerne; iron post stamped "4784 Denver".....	4, 782. 611
T. 5 N., R. 64 W., quarter corner on east side of sec. 5, at base of southwest fence post; iron post stamped "4628 Denver".....	4, 626. 083
T. 5 N., R. 64 W., southeast corner of sec. 17, 0.5 mile north of Kersey, at base of northwest fence post; iron post stamped "4616 Denver".....	4, 614. 176
Greeley, 2.8 miles east of, 0.8 mile east of cemetery, 25 feet north of road to Kersey; iron post stamped "4643 Denver".....	4, 641. 493

**From Kersey to sec. 13, T. 3 N., R. 65 W.**

T. 4 N., R. 64 W., 7 miles south of Kersey, 5 miles north of J. P. Klug's ranch, 8 feet west of road; iron post stamped "4642 Denver".....	4, 640. 173
T. 4 N., R. 64 W., J. P. Klug's ranch, 25 feet north of fence, west of road, on big flat; iron post stamped "4682 Denver".....	4, 680. 370
T. 3 N., R. 64 W., northwest corner of sec. 10, southeast corner of fence around J. P. Klug's house; iron post stamped "4730 Denver".....	4, 728. 270
J. P. Klug's ranch, 4 miles north of, north side of fence, 4 feet east of gate; iron post stamped "4906 Denver".....	4, 905. 156
T. 3 N., R. 64 W., sec. 34, 0.2 mile north of Herman Lewis's ranch, at forks of road; iron post stamped "4880 Denver".....	4, 878. 446

**From Boxelder Creek to T. 1 N., R. 64 W. sixth principal meridian.**

Boxelder Creek, 2.4 miles east of, 92 feet north of Chicago, Burlington & Quincy R. R., at northeast corner of right of way fence; iron post stamped "4984 Denver".....	4, 983. 298
Early ranch, 0.8 mile southeast of, just north of fence running west and 450 feet west of the southeast corner of fence around pasture; iron post stamped "4978 Denver".....	4, 977. 585
Early ranch, 3 miles southeast of, on northeast slope of divide, 300 yards southeast of gulch; iron post stamped "5083 Denver".....	5, 082. 126

**NIWOT QUADRANGLE.**

[Latitude 40°-40° 15'; longitude 105°-105° 15'.]

**At Mitchell.**

Mitchell, 0.5 mile south of, sec. 30, T. 1 N., R. 68 W., 6 feet north of telegraph pole near edge of wagon road; iron post stamped "5084 Denver".	5, 086. 590
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**Near Erie.**

Erie, 1 mile northeast of, sec. 7, T. 1 N., R. 68 W., 35 feet north of Union Pacific R. R. track, opposite where wagon road leads southeast to Boulder Valley coal mine; iron post stamped "5076 Denver".....	5, 075. 497
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**From point near Berthoud along Colorado & Southern Ry. to Longmont.**

Longmont, 3.5 miles north of, 0.2 mile north of Garret Clawson's farm, northwest corner at crossing of highways; iron post stamped "5126 Denver".....	5, 124. 421
Longmont, 1 mile north of, 15 feet west of southwest corner of sec. 35, T. 3 N., R. 69 W., 200 yards north of cemetery; iron post stamped "5006 Denver".....	5, 004. 493

Longmont, T. 2 N., R. 69 W., sec. 2, in northeast corner of city hall; aluminum tablet stamped "4980 Denver" .....	Feet. 4, 978. 559
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**From Longmont along Colorado & Southern Ry. through Boulder to Erie.**

T. 2 N., R. 69 W., sec. 20, 250 yards south of Williamsen's farm, northeast corner of road crossing, cattle guard 15 feet east of center of tracks; iron post stamped "5034 Denver" .....	5, 033. 248
Niwot, 150 feet west of station, 200 yards east of Niwot Hall, southwest of highway; iron post stamped "5096 Denver" .....	5, 094. 648
T. 2 N., R. 70 W., 30 feet southwest of northeast corner of sec. 33, 0.5 mile south of Haystack Mountain, at southwest corner of crossroads; iron post stamped "5242 Denver" .....	5, 240. 573
T. 1 N., R. 70 W., sec. 9, 0.8 mile southwest of Beasley's reservoir, west side of highway, in front of Josinas farmhouse; iron post stamped "5236 Denver" .....	5, 234. 835
T. 1 N., R. 69 W., sec. 19, 0.23 mile west of Lewis's farm, at right angle, north side of highway, at fence; iron post stamped "5103 Denver" ....	5, 101. 888
Canfield, 100 yards west of station, 100 feet north of railroad tracks, at fence corner; iron post stamped "5047 Denver" .....	5, 045. 851
Erie, northeast corner of Wells and Pierce streets, southwest front corner of Richards's brick block; aluminum tablet stamped "5018 Denver" ...	5, 017. 088

**From Lyons through Hygiene to Longmont.**

Lyons, 3 miles east of, on south side of road, opposite house of Elias Whaley, beside telephone pole; iron post stamped "5207 Denv" .....	5, 205. 695
Longmont, 3 miles west of, north side of road, at corner of yard fence, in front of Mr. Hill's house; iron post stamped "5091 Denv" .....	5, 089. 742

**LOVELAND QUADRANGLE.**

[Latitude 40° 15'–40° 30'; longitude 105°–105° 15'.]

**From New Windsor to Loveland.**

T. 6 N., R. 68 W., 250 yards east of bridge over Cache la Poudre Creek on north side of road; iron post stamped "4800 Denver" .....	4, 798. 402
T. 6 N., R. 69 W., sec. 14, 0.2 mile northwest of Benson's Lake, 100 yards south of C. S. Bate's farmhouse, on west side of road between Loveland and Fort Collins; iron post stamped "5040 Denver" .....	5, 038. 514
T. 6 N., R. 69 W., 10 feet south of north line of sec. 32, 0.5 mile west of Proctor schoolhouse, 20 feet east from center of Colorado & Southern Ry. tracks south side of highway; iron post stamped "5057 Denver" .....	5, 055. 414
Loveland, 2 miles north of, 10 feet north of south line of sec. 2, T. 5 N., R. 69 W., 40 feet east of center of Colorado & Southern Ry. track, north side of crossing; iron post stamped "5022 Denver" .....	5, 020. 384

**From Loveland via Colorado & Southern Ry. to Berthoud.**

T. 5 N., R. 69 W., 2 miles south of Loveland, at road crossing, 20 feet east of center of tracks, on north side of public highway; iron post stamped "5050 Denver" .....	5, 048. 635
Berthoud, 1.5 miles northeast of, sec. 11, T. 4 N., R. 69 W., 150 feet southeast of Munson's farmhouse, west side of highway, 0.5 mile east of railroad; iron post stamped "5082 Denver" .....	5, 080. 385
Berthoud, sec. 14, T. 4 N., R. 69 W., northwest corner of Mount Avenue and Third Street, northeast corner of bank building; aluminum tablet stamped "5030 Denver" .....	5, 029. 167
Berthoud, 2 miles south of, 0.5 mile northwest of Frankie's reservoir, at road crossing, 30 feet east of center of tracks, north side of highway; iron post stamped "5060 Denver" .....	5, 058. 473



## Near Arkins.

Arkins, 0.8 mile south of, T. 6 N., R. 70 W., junction of roads at railroad crossing; iron post stamped "5249 Denv".....	Feet. 5,247.510
Arkins, 3.5 miles southwest of, 1 mile south of Big Thompson Canyon, 10 feet west of road, in rock; aluminum tablet stamped "5352 Denv".....	5,351.023
T. 5 N., R. 70 W., SW. $\frac{1}{4}$ NW. $\frac{1}{4}$ sec. 9, Goodwins cabin, 2 feet south of road, 0.2 mile west of bridge 40, in flat rock; aluminum tablet stamped "5535 Denv".....	5,534.350

## Near Masonville.

Masonville, 0.5 mile south of, sec. 15, T. 6 N., R. 70 W., 150 feet south of schoolhouse 51; bronze tablet stamped "5317 Denv".....	5,315.507
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## From point near Pinewood east along road to Loveland.

Loveland, 9 miles west of, sec. 27, T. 5 N., R. 70 W., 1,000 feet east of base of Bald Mountain, beside telephone pole at side of road; iron post stamped "5440 Denv".....	5,438.757
Loveland, 6 miles west of, sec. 23, T. 5 N., R. 70 W., junction of roads; iron post stamped "5242 Denv".....	5,240.142
Loveland, 3 miles west of, sec. 20, T. 5 N., R. 69 W., between lakes, small summit in road; iron post stamped "5104 Denv".....	5,102.593

## From Noland north along Chimney Hollow trail to Dry Creek.

Noland, 3 miles north of, sec. 16, T. 4 N., R. 70 W., 50 feet west of trail, near Goforth's homestead, in top of rock cliff; bronze tablet stamped "5596 Denv".....	5,595.196
Noland, 6 miles north of, sec. 4, T. 4 N., R. 70 W., on Reed's ranch, 500 feet southeast of house, in top of rock, west side of trail; bronze tablet stamped "5769 Denv".....	5,767.456

## Blackhawk, Boulder, Central City, and Georgetown quadrangles.

## BOULDER, CLEAR CREEK, AND GILPIN COUNTIES.

The elevations in the following list are based on the elevation of the top of the lower pedestal at the southeast corner of the steps of the Colorado State capitol at Denver, described on page 21.

The leveling was done in 1902 and 1903 by F. M. Taylor and in 1904 by J. C. Fitterer. The leveling in Central City quadrangle, northwest of Eldora, was done in 1912 by C. A. Ecklund.

## BOULDER QUADRANGLE.

[Latitude 40°-40° 15'; longitude 105° 15'-105° 30'.]

## From Boulder via stage road up Boulder Creek to Cochran's mill.

Boulder, 20 feet west of main entrance to courthouse; aluminum tablet stamped "5351 Denver".....	Feet. 5,349.454
Oredel, east end of north abutment of bridge over Boulder Creek, in capstone; bronze tablet stamped "5732 Denver".....	5,730.222
Coburn mill, at forks of road, between mill and house, in rock ledge; aluminum tablet stamped "6036 Denver".....	6,034.798
Cochran's mill, 0.5 mile west of, south side of bridge over Boulder Creek, in top of shelf of road; aluminum tablet stamped "6541 Denver".....	6,540.375

**From Boulder through Salina to Gold Hill.**

Boulder Springs, sec. 2, T. 1 N., R. 71 W., north side of road, 50 feet south of confectionery factory, in face of rock; bronze tablet stamped "6261 Denv".....	Feet. 6, 259. 207
Salina, sec. 17, T. 1 N., R. 71 W., south side of railroad track opposite station, in rock cliff; aluminum tablet stamped "6571 Denv".....	6, 569. 019
T. 1 N., R. 72 W., sec. 11, front face of Gold Hill schoolhouse, southeast corner of foundation; bronze tablet stamped "8297 Denv".....	8, 295. 816

**From Chipmunk Gulch along road north to St. Vrain Creek, thence along creek road to Lyons.**

Ward, 1 mile north of, 200 feet south of San Blas mill, in top of rock, east side of road; bronze tablet stamped "8901 Denv".....	8, 899. 089
Ward, 4 miles north of, between new house and old log stable, 1,000 feet north of junction of roads to Allen Park and Gresham, in large boulder; bronze tablet stamped "8573 Denv".....	8, 571. 937
Ward, 8 miles north of, south side of road, on summit 100 feet south of Miller Rock, in shelf of rock; bronze tablet stamped "8633 Denv".....	8, 631. 05
Raymond's ranch, 2 miles east of, north side of road, 50 feet west of bridge across stream, in top of large boulder; bronze tablet stamped "7449 Denv".....	7, 447. 711
Lyons, 11 miles west of, north side of road, at junction of Middle and South St. Vrain creeks, at Sam Parish's place, in rock; bronze tablet stamped "6992 Denv".....	6, 990. 413
Lyons, 9 miles west of, north side of road, 20 feet south of stable at Bummersville, in top of rock; bronze tablet stamped "6601 Denv".....	6, 599. 646
Lyons, 6 miles west of, south side of road, 3 miles east of Bummersville, in top of large rock; bronze tablet stamped "5786 Denv".....	5, 784. 725
Lyons, 2.5 miles west of, south side of road, 1,000 feet west of tollgate, in face of rock ledge; bronze tablet stamped "5493 Denv".....	5, 491. 396
Lyons, sec. 18, T. 3 N., R. 70 W., at southeast corner of town hall; aluminum tablet stamped "5375 Denv".....	5, 373. 581

**From Lyons northwest on Estes Park stage road.**

Lyons, 3 miles northwest of, NE. $\frac{1}{4}$ sec. 11, T. 3 N., R. 71 W., north side of road, opposite slab ice house; iron post stamped "5580 Denv".....	5, 578. 385
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**BLACKHAWK QUADRANGLE.**

[Latitude 39° 45'-40°; longitude 105° 15'-105° 30'.]

**Near Eureka.**

Eureka, 1 mile west of, on small summit near pine tree, north side of road, in "Narrows," in top of rock; bronze tablet stamped "7347 Denver".....	7, 346. 243
Nederland, 3.5 miles east of, 30 feet west of bridge over creek, in "Castle Rock"; aluminum tablet stamped "7777 Denver".....	7, 776. 377

**From Nederland via Giggey's ranch and Gregory Canyon to Boulder.**

Pine Glade schoolhouse, 100 feet west of, in top of rock; aluminum tablet stamped "8553 Denver".....	8, 552. 015
Pine Glade schoolhouse, 3 miles east of, 300 feet west of old stable, south side of road, in top of rock; aluminum tablet stamped "7801 Denver"....	7, 800. 695
Summit of ridge between Skates ranch and Gregory Canyon, north side of road, in top of rock; aluminum tablet stamped "7954 Denver".....	7, 954. 047
Summit, 1 mile west of stone house, north side of road, in top of rock; bronze tablet stamped "8002 Denver".....	8, 000. 632

Boulder, 1.2 miles southwest of, south side of road, 30 feet west of stream crossing, at mouth of Gregory Canyon, in top of boulder; aluminum tablet stamped "5696 Denver" .....	Feet. 5, 695. 509
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**From Blackhawk through Rollinsville to Nederland.**

Blackhawk, Colorado & Southern Ry. station, in south wall between window and door of office, in face of rock; aluminum tablet stamped "8041 Denver" .....	8, 041. 345
Blackhawk, 3 miles north of, 100 feet south of junction of roads leading to Rollinsville, Golden, and Summit, in top of rock; aluminum tablet stamped "9269 Denver" .....	9, 268. 878
Blackhawk, 6 miles north of, east side of road, 600 feet north of summit at turn in road to west, in top of boulder; aluminum tablet stamped "9181 Denver" .....	9, 181. 484
Rollinsville, 2.5 miles south of, 100 feet north of summit, 40 feet east of road, at turn west of Gilpin post office, in top of flat rock; aluminum tablet stamped "9019 Denver" .....	9, 020. 534
Rollinsville, 50 feet back of post office, in top of large boulder; aluminum tablet stamped "8443 Denver" .....	8, 443. 552

**From head of Lake Gulch to Justice mine.**

Justice mine, 290 feet west of shaft house, in top of ledge, north side of road; aluminum tablet stamped "8721 Denver" .....	8, 720. 782
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**From summit of Dory Hill divide, 3 miles north of Blackhawk, through Golden to Denver.<sup>1</sup>**

Kriley's ranch house, 0.2 mile west of, 130 feet north of road, in stone ledge 3 feet above ground; aluminum tablet stamped "8420 Denver" .....	8, 419. 849
Junction Hill, summit of, 25 feet north of road, in top of stone ledge at surface of ground; aluminum tablet stamped "8740 Denver" .....	8, 740. 046
Guy Hill, summit of divide, in top of granite boulder, 10 feet north of road, 3 feet above ground; aluminum tablet stamped "7751 Denver" .....	7, 751. 116
Tucker and Crawford gulches, forks of, 35 feet north of wagon road, 4 feet above ground, in top of granite ledge; aluminum tablet stamped "6907 Denver" .....	6, 907. 087
Tucker and Half Mile gulches, 275 feet west of forks of, 10 feet south of road, in north side of large granite boulder; aluminum tablet stamped "6219 Denver" .....	6, 219. 016

**From Coal Creek west along highways to Gilpin.**

Coal Creek, Denver, Northwestern & Pacific Ry. bridge across, in top of west concrete pier, south side of road, 6 feet above ground; aluminum tablet stamped "6599 Denver" .....	6, 598. 643
Coal Creek, 3 miles from mouth of canyon, west side of road, 3 feet above ground, in top of large granite boulder; aluminum tablet stamped "7330 Denver" .....	7, 329. 503
Beaver Creek, 0.2 mile southwest of Bengson's ranch house, in top of large granite boulder, east side of road; aluminum tablet stamped "7751 Denver" .....	7, 750. 626
Beaver Hill, near summit of, 10 feet east of old road, in top of granite ledge; aluminum tablet stamped "8807 Denver" .....	8, 806. 494
Belcher's ranch, 1 mile east of, 45 feet north of road, 1 foot above ground, in top of granite ledge; aluminum tablet stamped "9113 Denver" .....	9, 111. 860

<sup>1</sup> The error distributed in this line is excessive.

Rollinsville, intersection of Blackhawk, Golden, and Coal Creek roads, north side of road, 900 feet east of guidepost, in top of granite bowlder;	Feet.
aluminum tablet stamped "8998 Denver" .....	8, 997. 200

**CENTRAL CITY QUADRANGLE.**

[Latitude 39° 45'–40°; longitude 105° 30'–105° 45'.]

**From Nederland through Eldora, Baltimore, and Apex to Blackhawk.**

Nederland, 50 feet east of post office, in top of rock; bronze tablet stamped "8237 Denver" .....	8, 236. 296
Eldora, north side of road, in top of east end of large rock; aluminum tablet stamped "8643 Denver" .....	8, 641. 680
Peterson Lake; surface of water July 11, 1903.....	9, 244
Baltimore, 2.5 miles north of, 50 feet west of junction of roads leading to Eldora, Rollins Pass, and Baltimore, in rock; bronze tablet stamped "9330 Denver" .....	9, 329. 114
Baltimore, 50 feet east of post office, on line between lots 12 and 13, block 1, on large flat rock; aluminum tablet stamped "8913 Denver" .....	8, 912. 848
Baltimore, 3 miles south of, 50 feet north of intersection of roads on summit of mountain, 0.5 mile north of Apex, in top of pointed rock; aluminum tablet stamped "10217 Denver" .....	10, 217. 529
Apex, north end of town, sec. 21, T. 2 S., R. 73 W., 200 feet east of school- house, at west side of road, in rock; aluminum tablet stamped "9857 Denver" .....	9, 857. 050
Apex, 2 miles south of, 50 feet west of junction of roads, 40 feet north of Pine Creek, in top of rock; aluminum tablet stamped "9154 Denver" ...	9, 154. 544
Blackhawk, 3 miles west of, at junction of roads leading to Gilpin, Missouri Lake, and Pine Creek, 200 feet east of Quartz Valley schoolhouse, beside telephone pole, in top of rock; aluminum tablet stamped "8514 Denver".	8, 514. 443

**Near Nederland.**

Nederland, 2 miles south of, east side of road, 200 feet south of road cross- ing, near Beaver Creek, in top of rock; aluminum tablet stamped "8419 Denver" .....	8, 419. 613
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**From Kingston via Alice and Idaho Springs to Dover mines.**

Kingston, south side of road, at junction of roads in village, in large flat rock; aluminum tablet stamped "10531 Denver" .....	10, 530. 474
Yankee, 1 mile east of, 30 feet north of shaft house of North Star mine, in top of large rock; aluminum tablet stamped "10512 Denver" .....	10, 511. 123
Alice, 50 feet northeast of post office, in top of flat rock; aluminum tablet stamped "10084 Denver" .....	10, 084. 018
Alice, 3 miles east of, small summit 1,000 feet east of Seemann tunnel, north side of road, in top of rock; bronze tablet stamped "9167 Denver" .....	9, 166. 469
Alice, 5.5 miles east of, junction of roads at mouth of Hamlin Gulch, north side of road, beside mail box, in rock; bronze tablet stamped "8432 Denver" .....	8, 431. 176
Idaho Springs, 3 miles west of, at bottom of dump, 100 feet north of power house at Lucania tunnel, in top of flat rock; bronze tablet stamped "7818 Denver" .....	7, 816. 714
Dover mines, 160 feet east of wagon bridge across Fall River, 35 feet north of road, in top of large bowlder; aluminum tablet stamped "7722 Den- ver" .....	7, 721. 701

**From point near Idaho Springs to Central City.**

	Feet.
Idaho Springs, 3 miles north of, in top of Clear Creek-Gilpin county boundary monument 163, on summit of ridge at head of Virginia Canyon; aluminum tablet stamped "9363 Denver" .....	9,362.086
Russell Gulch, in face of brick and stone post-office building, at southeast corner; aluminum tablet stamped "9105 Denver" .....	9,104.137
Nevadaville, in south face of corner stone under southeast corner of building; aluminum tablet stamped "9027 Denver" .....	9,026.039
Central City, at east end of new brick schoolhouse, in large capstone at entrance; aluminum tablet stamped "8422 Denver" .....	8,421.274

**From Idaho Springs to Empire.**

Dumont, 1 mile east of, junction of road leading up North Spring Gulch, at Mackay mine shaft, in rock; aluminum tablet stamped "7827 Denver" .....	7,825.819
Dumont, west end of, north side of road, 30 feet east of bridge over Mill Creek, in top of large rock; aluminum tablet stamped "7955 Denver" .....	7,954.351
Lawson, 20 feet west of post office, in top of rock; aluminum tablet stamped "8143 Denver" .....	8,142.319
Empire, 50 feet north of Colorado & Southern Ry. station, north side of road, in top of rock; aluminum tablet stamped "8250 Denver" .....	8,248.817
Empire, 5 feet north of northeast corner of brick schoolhouse, in rock; aluminum tablet stamped "8603 Denver" .....	8,601.754

**From Idaho Springs via Virginia Canyon to Sun and Moon mine, thence by Gibson Gulch to Colorado & Southern Ry. and return to Idaho Springs.**

Idaho Springs, 1.1 miles north of, 125 feet south of junction of Idaho Springs, Central City, and Boomerang Gulch wagon roads, at east side of road, in face of rock, 3 feet above ground; aluminum tablet stamped "8084 Denver" .....	8,083.538
Sun and Moon mine, 225 feet east of shaft house, in top of watch tower concrete pier; aluminum tablet stamped "9291 Denver" .....	9,290.105
Summit mine, 50 feet southwest of shaft house, in top of granite stone at roadside; aluminum tablet stamped "8982 Denver" .....	8,981.112

**From point 3 miles north of Idaho Springs, on summit of ridge at head of Virginia Canyon, southwest to summit of Belleview Mountain (triangulation station).**

Belleview Mountain, summit of, in top of bedrock; bronze triangulation tablet stamped "9684 Denver" .....	9,683.828
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**From point 3 miles north of Idaho Springs southeast to Comstock mine.**

Comstock mine, 70 feet northeast of entrance to shaft house, in top of bedrock; aluminum tablet stamped "9156 Denver" .....	9,155.852
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**From Russell Gulch via Alps mine to Nevadaville.**

Alps mine, small knob west of, at summit, triangulation station; bronze tablet stamped "9594 Denver" .....	9,593.572
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**From Russell Gulch via Gettysburg and Baldwin mine to Saratoga mine and return to Russell Gulch via Gilpin tram.**

Gettysburg mine, 150 feet southeast of, 20 feet east of road, in top of stone ledge; aluminum tablet stamped "9009 Denver" .....	9,008.877
Baldwin mine, 65 feet northwest of power house, in top of granite ledge; aluminum tablet stamped "8730 Denver" .....	8,729.534

**From point near Saratoga mine to Kokomo mine.**

Kokomo mine, 250 feet west of, ground at top of ledge; aluminum tablet stamped "8950 Denver".....	Feet. 8, 949. 599
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**From Blackhawk via road to Tucker's mill.**

Tucker's mill, 125 feet east of, 20 feet west of Hayseed tunnel, in top of granite ledge 2 feet above ground; aluminum tablet stamped "8551 Denver".....	8, 550. 346
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**From Blackhawk via road to Wheeler's mill.**

Wheeler's mill, 225 feet west of, in face of granite ledge 2 feet above ground, north side of road; aluminum tablet stamped "8354 Denver".....	8, 353. 805
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**From Eldora northwest 5.8 miles.**

Eldora, north side of road, in top of east end of large rock; aluminum tablet stamped "8643 Denver".....	8, 641. 630
Eldora, 0.9 mile west of, at forks of road; top of large rock, marked "8783".	8, 783. 63
Eldora, 1.8 miles west of, 0.2 mile east of Hesse, at forks of road, north side of road; top of large rock, marked "8975".....	8, 975. 17
Eldora, 2.5 miles northwest of, 0.6 mile north of Hesse, 50 feet north of group of three log cabins, east side of road, in top of large rock; bronze tablet stamped "9348".....	9, 348. 251
Eldora, 3.7 miles northwest of, 1.8 miles north of Hesse, opposite log cabin, east side of road; top of large rock, marked "9653".....	9, 652. 83
Eldora, 4.7 miles northwest of, 25 feet east of road; top of large rock, marked "9916".....	9, 915. 62
Eldora, 5.8 miles northwest of, 0.2 mile north of sawmill, 200 yards north of U. S. Gold Corporation tunnel No. 1, west side of road, in top of large rock; bronze tablet stamped "10123".....	10, 123. 004

**GEORGETOWN QUADRANGLE.**

[Latitude 39° 30'–39° 45'; longitude 105° 30'–105° 45'.]

**From Idaho Springs to Stanley Mills.**

Idaho Springs, northwest corner of Sixteenth Avenue and Miner Street, in water table of First National Bank; aluminum tablet stamped "7541 Denver".....	7, 540. 377
Stanley Mills, 40 feet east of shaft house, in top of masonry road wall, 2 feet from end; aluminum tablet stamped "7667 Denver".....	7, 666. 796

**From Empire Pass through Georgetown to point 3 miles southwest of Idaho Springs.**

Georgetown, 2 miles north of, summit of Empire Pass, on west side of road, at junction of roads, in rock; aluminum tablet stamped "8780 Denver".....	8, 778. 861
Georgetown, 10 feet south of east entrance to brick high school, in top of foundation stone; aluminum tablet stamped "8507 Denver".....	8, 506. 215
Georgetown, 2 miles east of, summit of Griffith Mountain, 300 feet north of Comet mine, between electric-light lines, in top of rock; bronze tablet stamped "11000 Denver".....	10, 999. 315
Georgetown, 5 miles east of, north side of Cascade Creek, by trail, at old sawmill, in top of large flat rock; bronze tablet stamped "9593 Denver".....	9, 592. 214
Idaho Springs, 6 miles east of, junction of roads up Chicago and Cascade creeks, 20 feet north of bridge over Cascade Creek, in top of rock; aluminum tablet stamped "8532 Denver".....	8, 531. 047

Idaho Springs, 3 miles southwest of, 2,000 feet north of Peters tunnel, west side of road, in rock; aluminum tablet stamped "7919 Denver" ..... 7,917.908 Feet.

**From Georgetown via public road and trail to point 0.8 mile south of Cedar Lake.**

Clear Lake; surface of water Sept. 24, 1903. .... 9,869

Georgetown, 3.5 miles south of, at south end of swamp, 30 feet west of road, 0.7 mile south of Clear Lake, in top of large rock; aluminum tablet stamped "9991 Denver" ..... 9,990.255

**From junction of Cascade and Chicago creeks via trail up South Chicago Creek to bench mark 4 miles south of junction.**

Cascade and Chicago creeks, 4 miles south of junction of, west side of trail, in top of shelf of large granite boulder; aluminum tablet stamped "9662 Denver" ..... 9,661.494

**From Georgetown along Colorado & Southern Ry. through Silver Plume to Terrible mine.**

Silver Plume, 75 feet northeast of railroad station, 4.5 feet north of southeast corner of brick building, in foundation stone of west wall, 2 feet above ground; aluminum tablet stamped "9114 Denver" ..... 9,113.628

Terrible mine, 25 feet west of tunnel entrance, 2 feet above ground, in face of granite wall; aluminum tablet stamped "9271 Denver" ..... 9,270.444

**From Silver Plume along wagon roads to 730 mine.**

Pelican tunnel, 120 feet southwest of, in face of granite rock; aluminum tablet stamped "9592 Denver" ..... 9,591.450

730 mine, 120 feet southeast of mouth of tunnel, in face of granite rock, 5 feet above ground; aluminum tablet stamped "10451 Denver" ..... 10,450.698

**Fort Collins, Livermore, Longs Peak, and Mount Olympus quadrangles.**

**LARIMER COUNTY.**

The elevations in the following list are based on the elevation of the lower pedestal at the southeast corner of the steps of the Colorado State capitol, at Denver, described on page 21.

The leveling was done in 1905 by G. A. Joslin and additional leveling in Longs Peak quadrangle was done in 1912-13 by C. A. Ecklund and in 1914 by Roscoe Reeves, and in Livermore quadrangle in 1914 by Ecklund and Reeves.

The line from Bellvue to Livermore was run as a precise line. The circuit from Forks Hotel through Alvord and return to Forks Hotel was a single line using the same level. The other lines were run with a Y level and New York rods.

**FORT COLLINS QUADRANGLE.**

[Latitude 40° 30'-40° 45'; longitude 105°-105° 15']

**From Fort Collins southeast 3 miles along road, thence east to sec. 9, T. 7 N., R. 68 W., thence north to crossroads 2 miles north of Wellington, thence west to corner of secs. 23, 24, 25, and 26, T. 9 N., R. 69 W.**

Fort Collins, in west end of stone doorsill, main entrance to First National Bank; bronze tablet stamped "4981 Denver" ..... 4,979.434 Feet.

Fort Collins, 3 miles east of, sec. 17, T. 7 N., R. 68 W., east side of road, junction with road turning north, 500 feet southeast of Slackett's ranch; iron post stamped "4927 Denver" ..... 4,925.999

T. 7 N., R. 68 W., 0.2 mile north of corner of sec. 9, 1 mile north of Pitcher's house, 30 feet west of road; iron post stamped "4937 Denver" .....	Feet. 4, 935. 789
T. 8 N., R. 68 W., southeast corner of sec. 28, 4 miles north of Pitcher's house, near telephone pole; iron post stamped "5021 Denver" .....	5, 019. 420
T. 8 N., R. 68 W., northeast corner of sec. 16, 3 miles south of Wellington, in front of Carter's house; iron post stamped "5127 Denver" .....	5, 125. 999
Wellington, west side of First National Bank Building in second stone step; bronze tablet stamped "5202 Denver" .....	5, 201. 049
T. 9 N., R. 68 W., northeast corner of sec. 29, 1.8 miles east of Poudre Valley Irrigation Co.'s reservoir No. 2, at foot of telephone pole; iron post stamped "5254 Denver" .....	5, 252. 555
T. 9 N., R. 69 W., 600 feet east of corner of secs. 23, 24, 25, and 26, 9.5 miles north of Fort Collins, 150 feet southeast of Annie D. Winter's farmhouse, 16 feet west of gate; iron post stamped "5290 Denver" .....	5, 288. 467

**From Fort Collins along road to La Porte, thence by Union Pacific R. R. through Bellvue to old Stout post office.**

T. 7 N., R. 69 W., corner of secs. 4, 5, 8, and 9, corner of William S. Smith's property, at foot of telegraph pole; iron post stamped "5116 Denver" ..	5, 114. 707
La Porte, opposite post office, at foot of telegraph pole; iron post stamped "5063 Denver" .....	5, 061. 849
Bellvue, north side of Bellvue Mercantile Co.'s building, on top step; aluminum tablet stamped "5125 Denver" .....	5, 124. 288
Bellvue, 3.7 miles south of, sec. 7, T. 7 N., R. 69 W., 200 feet from bridge 260, north end of gate to Lamb's ranch; iron post stamped "5303 Denver" ..	5, 301. 993
T. 7 N., R. 69 W., between secs. 29 and 30, 1.5 miles north of Stout, 0.3 mile south of Johnson spur, at switch, east side of road, foot of fence post; iron post stamped "5322 Denver" .....	5, 320. 970
Stout, abandoned post office, sec. 7, T. 6 N., R. 69 W., on west end of doorsill; chisel mark .....	5, 275. 671

**Near Masonville.**

Masonville, 2.5 miles northwest of, sec. 9, T. 6 N., R. 70 W., 4 feet north of L. A. Sheldon's ranch gate; iron post stamped "5478 Denver" .....	5, 476. 946
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**From point near Bellvue to sec. 18, T. 9 N., R. 70 W.**

Bellvue, 3.2 miles northwest of, opposite gate of G. Shipp's ranch, north side of road; iron post stamped "5227 Denver" .....	5, 225. 618
Engleside, 2.3 miles south of, sec. 1, T. 8 N., R. 70 W., west of road, 2 feet south of telephone pole; iron post stamped "5378 Denver" .....	5, 377. 061
Engleside, 1.2 miles north of, sec. 18, T. 9 N., R. 70 W., 0.2 mile south of turn in telegraph line west, west side of road, foot of telegraph pole; iron post stamped "5587 Denver" .....	5, 585. 821

**Near Fort Collins.**

Fort Collins, 3.5 miles south of, corner of secs. 25, 26, 35, and 36, T. 7 N., R. 69 W., southwest corner of sec. 25, at fence corner; iron post stamped "5027 Denver" .....	5, 025. 447
Fort Collins, State agricultural building, at east entrance to main building, in north end of first stone step; aluminum tablet stamped "4998 Denver" .....	4, 996. 778
Fort Collins, 4 miles north of, 800 feet west of A. F. Stauff's farmhouse, west of road, at southwest fence corner at mouth of lane running west; iron post stamped "5111 Denver" .....	5, 109. 418



Fort Collins, 6.5 miles north of, top of ridge, 6 feet east of road and 20 feet west of railroad grade; iron post stamped "5268 Denver".....	Feet. 5,266.371
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**From Masonville via Stout post office to Fort Collins.**

Masonville, 2.5 miles northeast of, sec. 1, T. 6 N., R. 70 W., summit of divide between Redstone and Spring Canyon; iron post stamped "5766 Denv".....	5,763.848
Fort Collins, 5.5 miles southwest of, between secs. 33 and 34, T. 7 N., R. 69 W., 1 mile east of Stout post office, at intersection of roads; iron post stamped "5150 Denv".....	5,148.291

**LIVERMORE QUADRANGLE.**

[Latitude 40° 30'-41°; longitude 105°-105° 30'.]

**Near public-land corners.**

T. 6 N., R. 70 W., sec. 5, summit of Fletcher Hill, 5 feet west of road, 5 feet east of fence, in low rock; aluminum tablet stamped "6047 Denver".....	6,046.503
T. 7 N., R. 71 W., probably sec. 14, summit of Little Dead Man Hill, 40 feet north of road, in low rock, near stone monument; aluminum tablet stamped "6492 Denver".....	6,491.052
T. 7 N., R. 71 W., sec. 15 or 16, 2.5 miles northwest of Little Dead Man Hill, 1.4 miles northwest of forks of road, 30 feet northwest of creek, south side of road, large rock, beside stone monument; aluminum tablet stamped "6516 Denver".....	6,514.367
T. 7 N., R. 71 W., sec. 17, 5.5 miles northwest of Little Dead Man Hill, 0.9 mile north of deserted cabin, south edge of road, in low rock; aluminum tablet stamped "6943 Denver".....	6,941.698
T. 7 N., R. 72 W., 800 feet south of Miller's ranch house, crossing of old hill road with new creek road, between creek and road, in rock; aluminum tablet stamped "7288 Denver".....	7,286.837
T. 7 N., R. 71 W., southwest corner of sec. 4, 1.5 miles southwest of Stove Prairie schoolhouse, in gully near dugout, 20 feet east of pine tree, south side of road, in rock; aluminum tablet stamped "7272 Denver".....	7,270.764
T. 8 N., R. 71 W., sec. 29, 1.5 miles northeast of Stove Prairie schoolhouse, 100 feet northwest of road crossing of creek, foot of little hill, east edge of grove of quaking aspens, 20 feet west of road, 10 feet southeast of pine tree; aluminum tablet stamped "7086 Denver".....	7,085.032
Stove Prairie Landing, 0.8 mile south of, sec. 4, T. 8 N., R. 71 W., cabin on creek bank, west edge of road, east bank of creek, in large flat rock; aluminum tablet stamped "6314 Denver".....	6,312.585
Stove Prairie Landing, 1.2 miles west of, sec. 1, T. 8 N., R. 72 W., 150 feet west of rock monument at end of railroad grade, 60 feet south of pine tree opposite mouth of dry gulch, 100 feet from river, in boulder 25 feet high; aluminum tablet stamped "6115 Denver".....	6,113.720
Stove Prairie Landing, 2.7 miles north of, sec. 30, T. 9 N., R. 71 W., 100 feet from summit of pass, 50 feet east of road, by pile of rocks, low flat rock; aluminum tablet stamped "6927 Denver".....	6,926.412
Log Cabin, 5 miles east of, sec. 24, T. 9 N., R. 72 W., 200 feet west of town line, 40 feet north of road, near fence corner, in granite rock; aluminum tablet stamped "7050 Denver".....	7,049.152
Livermore, 6.9 miles east of, sec. 9, T. 9 N., R. 71 W., west edge of road, in rock in road opposite telegraph pole; aluminum tablet stamped "6533 Denver".....	6,532.023

Livermore, 3.4 miles east of, sec. 35, T. 10 N., R. 71 W., above road on south side, in rock; aluminum tablet stamped "5994 Denver".....	Feet. 5,993.578
Livermore, west edge of hotel steps, in cement walk; aluminum tablet stamped "5733 Denver".....	5,732.114
Forks Hotel, 2.5 miles southwest of, sec. 2, T. 9 N., R. 70 W., 0.2 mile north of F. W. Rigdon's mail box, in small rock by pile of stone; aluminum tablet stamped "5927 Denver".....	5,926.048
Forks Hotel, sec. 23, T. 10 N., R. 70 W., between forks of road, 200 feet east of windmill, in sandstone rock; aluminum tablet stamped "5887 Denver".....	5,886.092

**From Forks Hotel via road to Alford, thence east to State road and south to Livermore.**

Forks Hotel, 3 miles northwest of, sec. 20, T. 10 N., R. 70 W., turn in road to St. Cloud at foot of signboard "St. Cloud to Latimar River"; iron post stamped "5999 Denver".....	5,997.933
Alford, 2.2 miles south of, sec. 13, T. 10 N., R. 71 W., 800 feet above mouth of canyon, west side of road, east edge of creek, in low granite rock; aluminum tablet stamped "6141 Denver".....	6,140.381
Alford, hill back of town, sec. 9, T. 10 N., R. 71 W., south edge of road, in surface rock 20 feet square; aluminum tablet stamped "6353 Denver".....	6,352.150
Alford, 3 miles west of, sec. 5, T. 10 N., R. 71 W., 0.2 mile north of junction of Virginia Dale road with St. Cloud road, south edge of hill, west edge of road, in large rock; aluminum tablet stamped "6635 Denver".....	6,633.865
T. 11 N., R. 70 W., sec. 36, 7.8 miles north of Forks Hotel, 600 feet south of telegraph line crossing road, east side of road, in rock; aluminum tablet stamped "6516 Denver".....	6,514.576
T. 10 N., R. 70 W., sec. 8, 4.9 miles south of Forks Hotel, top of hill, south side of road, in granite rock; aluminum tablet stamped "6287 Denver".....	6,285.423

**Near public-land corners.**

T. 10 N., R. 72 W., sec. 12, 100 feet west of line fence, 150 feet northwest of gate to Bullard's ranch, 50 feet east of corner of fence, in round rock 4 feet high and 7 feet in diameter; aluminum tablet stamped "6701 Denv".....	6,699.476
T. 11 N., R. 72 W., in east part of sec. 36, summit of hill, 15 feet south of fence, in rock cairn 2 feet high; aluminum tablet stamped "6825 Denv".....	6,824.177

**From Waverly north along road to Brennigan Spring.**

McGimley's farmhouse, 0.8 mile northeast of, 60 feet west of railroad grade, at wire fence east-west; iron post stamped "5416 Denver".....	5,414.482
Boxelder Creek crossing, 1,900 feet south of, at fence corner, 45 feet east of public road, on old railroad grade; iron post stamped "5528".....	5,526.625
Warren sheep camp, 2 miles south of, 100 feet west of railroad grade, 60 feet southwest of road forks, at fence corner; iron post stamped "5631 Denver".....	5,629.366
Warren sheep camp, 1 mile north of, at point of curve east, 30 feet west of old railroad grade, 15 feet east of wagon road; iron post stamped "5805 Denver".....	5,803.532
Jack Spring ranch, 1,000 feet south of, 6 feet west of gate, 900 feet east of corner of secs. 5, 6, 7, and 8, T. 11 N., R. 68 W.; iron post stamped "6045 Denver".....	6,043.510
Brennigan Spring, 1,000 feet north of, on ridge by wire-fence line between Rs. 68 and 69 W.; iron post stamped "6569 Denver".....	6,567.363

**From bench mark in sec. 24, T. 9 N., R. 72 W., northwest along highway to Log Cabin in sec. 9, same township (leveled twice).**

Log Cabin, 5 miles east of, sec. 24, T. 9 N., R. 72 W., 200 feet west of town line, 40 feet north of road, near fence corner, in granite rock; aluminum tablet stamped "7050 Denver".....	Feet. 7,049.152
Log Cabin, 4 miles east of, 1,000 feet east of house, top of hill, north side of road, 30 feet from fence corner; top of small rock.....	7,313.66
Log Cabin, 3 miles east of, 100 feet north of road; south end of rock 3 feet high.....	7,425.90
Log Cabin, 1 mile east of, 200 feet southwest of road forks, 125 feet south of main road; on south side of rock 3 feet high.....	7,607.18
Log Cabin, 1 mile east of, in sec. 10, T. 9 N., R. 72 W., 200 feet southwest of road forks, 125 feet south of main road, on top of rock 3 feet high (same rock as above T. B. M.); bronze tablet, stamped "7607".....	7,607.664
Log Cabin, on southeast corner of platform in front of Log Cabin post office; copper nail, painted "7753".....	7,753.55

**From point near Log Cabin southwest and northwest.**

Log Cabin, 1 mile southwest of, 50 feet north of road forks, 300 feet east of house, 10 feet west of road, at foot of rock outcrop; top of rock 2 feet high, painted "7740".....	7,740.67
Log Cabin, 1 mile west of, 180 feet west of hilltop, 10 feet south of road, in flat rock flush with surface; bronze tablet stamped "7905".....	7,904.815

**LONGS PEAK QUADRANGLE.**

[Latitude, 40°-40° 30'; longitude, 105° 30'-106°.]

**From Boston mine to Ward.**

Ward, 1 mile south of, sec. 7, T. 1 N., R. 72 W., 500 feet north of Boston mine, on east side of road, in face of rock; bronze tablet stamped "8594 Denv".....	8,592.044
Ward, sec. 1, T. 1 N., R. 78 W., in southeast corner of wall of railroad station; aluminum tablet stamped "9254 Denv".....	9,252.913

**In vicinity of Estes Park (single spur line).**

Estes Park, 2 miles northwest of, sec. 35, T. 5 N., R. 72 W., 700 feet north of south bank of Thompson River, in rock beside pine tree; bronze tablet stamped "7626 Denv".....	7,623.997
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**From point 5.8 miles northwest of Eldora north through Arapahoe Pass and Monarch to Millner Pass.**

Eldora, 6.1 miles northwest of, 0.5 mile north of sawmill, at forks of road, west side of road, south side of culvert; top of large rock, marked "10304".....	10,303.45
Eldora, 7.6 miles northwest of, at Fourth of July mine, 75 feet south of upper shaft house, 50 feet west of log cabin, south side of road; top of large rock, marked "11253".....	11,252.32
Eldora, 8.7 miles northwest of, at top of Arapahoe Pass, on Continental Divide, south side of road, in top of large rock; bronze tablet stamped "11907".....	11,906.303
Arapahoe Pass, 1 mile north of, at head of Arapahoe Canyon, 50 feet east of log cabin; top of large rock, marked "11152".....	11,151.54
Arapahoe Pass, 2.3 miles north of, in park near head of Arapahoe Canyon, 150 feet west of creek; top of large rock, marked "10361".....	10,360.32

Arapahoe Pass, 3.7 miles north of, 50 feet south of point where trail crosses creek, 2 feet west of trail, in Arapahoe Canyon, in top of rock; bronze tablet stamped "9734".....	Feet. 9, 734. 145
Arapahoe Pass, 5 miles north of, in Arapahoe Canyon, 50 feet east of creek, 5 feet east of trail, where trail comes down from slope and turns down creek; top of large rock, marked "9351".....	9, 350. 85
Monarch, 6.3 miles southeast of, 10 feet west of trail, in Arapahoe Canyon; top of large rock, marked "9127".....	9, 127. 41
Monarch, 5.3 miles southeast of, 7.7 miles northwest of Arapahoe Pass, in Arapahoe Canyon, 50 feet east of log cabin, 30 feet south of mine tunnel, 10 feet east of creek, east side of trail, in top of large rock; bronze tablet stamped "8808".....	8, 807. 557
Monarch, 4.2 miles southeast of, 1 mile southeast of Monarch Lake, in Arapahoe Canyon, 100 feet west of creek, where trail goes up side of ridge; on rock in trail, marked "8657".....	8, 657. 24
Monarch, 3.5 miles southeast of, at upper end of Monarch Lake, 150 feet west of creek, at Camp No. 1, 30 feet west of log cabin; nail in root of pine tree, marked "8368".....	8, 368. 09
Monarch, 2 miles southeast of, at north end of Monarch Lake, east end of dam, east side of road, east side of log flume, in top of large rock; bronze tablet stamped "8347".....	8, 346. 946
Monarch, 0.7 mile southeast of, 1.3 miles northwest of Monarch Lake, west side of road; top of large rock, marked "8312".....	8, 311. 64
Monarch, 0.4 mile southeast of, at forks of road leading to Monarch Lake and Murray's camp; spike in stump of tree, marked "8281".....	8, 280. 91
Monarch, south end of, north end of bridge over creek, at road forks, west side of road; top of large rock, marked "8267".....	8, 267. 39
Monarch, 0.8 mile west of, 75 feet north of railroad at road crossing, 50 feet north of road; top of rock, marked "8238".....	8, 237. 74
Monarch, 2 miles west of, 15 feet south of McDonald's house, in top of large rock; bronze tablet stamped "8206".....	8, 205. 548
Monarch, 3 miles west of, 1 mile west of McDonald's ranch, west end of cattle guard, south side of Moffat R. R.; painted "8173".....	8, 172. 56
Monarch, 3.6 miles west of, west side of road and north side of railroad at road crossing on Moffat R. R., at Lehman's ranch; spike in railroad tie, marked "8164".....	8, 163. 97
Monarch, 4.5 miles west of, at junction of North and South forks of Grand River, south end of wagon bridge over North Fork, 20 feet east of road, in top of large rock; bronze tablet stamped "8143".....	8, 143. 119
Monarch, 5.4 miles west of, 0.9 mile west of bridge over North Fork of Grand River, at forks of road, 150 feet south of schoolhouse, 10 feet south of gate in fence, north side of fence; top of large rock, marked "8116".....	8, 116. 43
Monarch, 7.2 miles west of, 6 miles south of Grand Lake, 300 yards south of house, 50 feet south of knoll, 25 feet east of road, in sagebrush flat; top of large rock, marked "8265".....	8, 264. 55
Grand Lake, 5.2 miles south of, 0.5 mile north of Fitzmoeller and Noel's ranch, 10 feet west of road, in top of large rock; bronze tablet stamped "8349".....	8, 349. 197
Grand Lake, 4.6 miles south of, forks of Granby and Lehman roads, in form; top of large rock, marked "8384".....	8, 384. 16
Grand Lake, 3.6 miles southwest of, north side of road at road forks; top of small rock, marked "8447".....	8, 446. 96
Grand Lake, 3.2 miles southwest of, north end of wagon bridge over North Fork of Grand River, west side of road; top of large rock, marked "8380".....	8, 379. 50

Grand Lake, 1.3 miles southwest of, 300 feet north of road forks, 10 feet west of road; top of large rock, marked "8367" .....	Feet. 8,366.47
Grand Lake, 0.7 mile west of, 100 feet north of house, 30 feet west of barn, east side of road, at road forks, in top of rock; bronze tablet stamped "8377" .....	8,376.394
Grand Lake, 1 mile northwest of, road forks, Columbine Lake road and North Fork road, north side of road; top of large rock, marked "8473" ..	8,472.43
Grand Lake, 1.7 miles northwest of, east side of road at road forks, 500 feet north of cemetery; top of small rock, marked "8653" .....	8,651.66
Grand Lake, 2 miles northwest of, at group of houses, 10 feet east of main road at road forks, 20 feet south of small bridge over creek; top of large rock, marked "8685" .....	8,684.24
Grand Lake, 2.8 miles northwest of, 5 feet north of signboard "Lulu Pass 18 miles," east side of road at road forks; spike in rail fence, marked "8679" .....	8,678.17
Grand Lake, 4.5 miles northwest of, in canyon of North Fork of Grand River, 10 feet west of road, south end of small park; top of small rock near stump of tree, marked "8741" .....	8,740.55
Grand Lake, 4.8 miles northwest of, 8 miles south of Bob's place, 5 feet east of road, on top of large rock; bronze tablet stamped "8788" (?) ...	8,766.710
Grand Lake, 6.2 miles northwest of, 6.5 miles south of Bob's place, east end of bridge over Fish Creek, at road forks, north side of road; top of small stone, marked "8756" .....	8,755.28
Bob's place, 4.6 miles south of, 8.1 miles northwest of Grand Lake, 5 feet east of road, in top of large rock; bronze tablet stamped "8827" .....	8,826.093
Bob's place, 3.4 miles south of, 9.4 miles north of Grand Lake, 20 feet north of small log culvert, east side of road; top of large rock, marked "8861" .....	8,860.72
Bob's place, 2.5 miles south of, 10.3 miles north of Grand Lake, 50 feet east of log cabin, 150 feet east of road, in top of large rock; bronze tablet stamped "8903" .....	8,902.108
Bob's place, 1.1 miles south of, 11.6 miles north of Grand Lake, 10 feet west of road; top of large rock, marked "8987" .....	8,986.68
Bob's place, 0.2 mile south of, 12.5 miles north of Grand Lake, at point where Estes Park trail leaves road, 50 feet east of road, 10 feet south of trail, in top of large rock; bronze tablet stamped "9038" .....	9,037.742
Bob's place, 1.3 miles east of, 10 feet north of Estes Park trail, 10 feet south of rock pile with stick in center; top of large rock, marked "10315" ..	10,313.91
Bob's place, 2 miles east of, north side of lake, 2.9 feet above surface of water in lake, Sept. 28, 1912, between lake and trail; top of small rock, marked "10599" .....	10,598.29
Millner Pass, southwest end of Poudre Lakes, 75 feet east of trail, 150 feet southwest of upper end of lakes, in top of rock; bronze tablet stamped "10760" .....	10,758.812
Poudre Lakes, 0.7 mile east of, 5 feet east of Estes Park trail; top of large rock, marked "11199" .....	11,198.33
Bob's place, 5 miles east of, 75 feet north of Estes Park trail, 125 feet north of small lake, 700 feet west of fork of trail, on top of ridge; top of large rock, marked "11525" .....	11,524.28
Bob's place, 6.5 miles east of, head of Fall River, in saddle on ridge between Fall River and Poudre Canyon, 100 feet south of trail, in top of large white rock; bronze tablet stamped "11798" .....	11,796.673
Bob's place, 6.5 miles east of, 1 mile east of fork of trail, 3.6 miles east of Millner Pass, top of ridge, 10 feet east of trail, 20 feet west of cliff; top of small rock, marked "12222" .....	12,220.83

Millner Pass, 4.2 miles east of, 1.6 miles east of fork of trail, 1,000 feet north of saddle, on top of ridge; top of south one of two large rocks, marked "11944".....	feet. 11,943.23
Millner Pass, 5.5 miles east of, on top of ridge, 400 feet northwest of large rock outcrop on summit, Moraine Park trail; top of small rock.....	12,197.28
<b>From Estes Park west along road and trail via Windy Gulch to Tombstones, 5.5 miles east to Millner Pass.</b>	
Estes Park, in sec. 25; T. 5 N., R. 72 W., 300 feet northwest of post office, north side of road; in top of rock, aluminum tablet stamped "7549 Denv" .....	7, 547. 177
Estes Park, 1 mile west of, 600 feet north of south fork of Big Thompson River, south side of road; copper nail in root of pine tree, painted "7634".....	7, 634. 34
Estes Park, 1.5 miles west of, 50 feet north of road forks (Longs Peak Inn, Moraine Park, and High Drive roads); on side of large rock, painted "7651".....	7, 651. 35
Estes Park, 2.4 miles west of, 70 feet south of High Drive road; copper nail in root of large pine tree, painted "7824".....	7, 824. 56
Estes Park, 3 miles west of, 20 feet north of High Drive road, 15 feet east of small creek, in top of rock; tablet stamped "8033".....	8, 032. 713
Estes Park, 4 miles west of, on south side of road; north end of large rock, painted "8249".....	8, 249. 32
Road forks, 20 feet west of; top of rock.....	8, 779. 54
Estes Park, 4.7 miles west of, 800 feet south of High Drive road, south side of road, at road forks; top of large rock, painted "8417".....	8, 417. 26
Estes Park, 6 miles west of, at point where road ends and Windy Gulch trail begins, 200 feet west of road, 200 feet southwest of house, 50 feet south of small rock cliff, in top of rock; tablet stamped "8463".....	8, 463. 624
South side of old road, 10 feet west of large round balanced rock; cross on rock, painted "8740".....	8, 740. 24
Estes Park, 7 miles west of, 75 feet south of trail, 75 feet north of high rocky point, 300 feet west of spring with trough; top of small rock, painted "9086".....	9, 086. 26
Estes Park, 8 miles west of, on east side of Windy Gulch, where trail crosses into Windy Gulch, 20 feet south of trail; top of rock, painted "9743".....	9, 743. 74
Estes Park, 9 miles west of, in Windy Gulch, 5 feet north of trail; south end of large rock, painted "9991".....	9, 991. 84
Estes Park, 10 miles west of, on ridge at head of Windy Gulch, 175 feet south of trail; top of large rock, painted "11485".....	11,485.72
Estes Park, 10 miles west of, on ridge at head of Windy Gulch, 175 feet south of trail, in top of large rock; tablet stamped "11484".....	11,484.812
Estes Park, 10.5 miles west of, 0.5 mile from head of Windy Gulch, 100 feet north of trail; top of large rock, painted "11643".....	11,644.09
Estes Park, 11.5 miles west of, 2 miles northwest of head of Windy Gulch, in saddle on top of ridge, 5 feet east of trail; top of large white rock, painted "11436".....	11,436.39
Estes Park, 13 miles west of, 3.5 miles northwest of head of Windy Gulch, on west slope of ridge, 50 feet east of trail; top of large rock, painted "11959".....	11,959.69
Estes Park, 14 miles west of, on top of ridge, at Tombstones, 20 feet north of trail, in top of large rock; tablet stamped "12226".....	12,227.101
Millner Pass, 5.5 miles east of, on top of ridge, 400 feet northwest of large rock outcrop on summit (Tombstones); top of small rock.....	12,197.28

**From Poudre Pass south along highway to Bob's place.**

Ditch camp at Poudre Pass, 885 feet northeast of, 130 feet northwest of boundary-line post between Colorado and Arapaho national forests, 50 feet northwest of road, top of granite rock 3 feet high; bronze tablet stamped "10192".....	Feet. 10,193.808
Ditch camp at Poudre Pass, 3.6 miles southwest of, 950 feet south of sawmill, 10 feet east of ditch bank, top of granite rock; bronze tablet stamped "10206".....	10,207.686

**MOUNT OLYMPUS QUADRANGLE.**

[Latitude 40° 15'-40° 30'; longitude 105° 15'-105° 30']

**From Lyons via stage road to point near Dunraven ranch, Estes Park.**

Lyons, 5.5 miles northwest of, top of Jordan Hill, north side of road; iron post stamped "6650 Denv".....	6,648.469
Lyons, 8 miles northwest of, 75 feet north of bridge across Little Thompson River, at junction of Allen Park and Estes Park roads; iron post stamped "6704 Denv".....	6,702.517
Lyons, 11 miles northwest of, 8 feet north of road, at foot of pine tree; iron post stamped "7329 Denv".....	7,327.255
Lyons, 14 miles northwest of, 0.25 mile northwest of Meadowdale stock ranch, pine tree north side of road; iron post stamped "7824 Denv"....	7,823.202
Estes Park, 5 miles east of, sec. 28, T. 5 N., R. 72 W., at junction of Estes Park and Loveland roads; iron post stamped "7594 Denv".....	7,592.135

**From point near Estes Park east by road to Pinewood.**

Estes Park, 6 miles east of, sec. 25, T. 5 N., R. 72 W., 300 feet west of summit, south side of road, in top of rock; bronze tablet stamped "8584 Denv".....	8,582.742
Estes Park, 9 miles east of, sec. 23, T. 5 N., R. 71 W., 500 feet west of W. L. Walker's ranch, in top of rock, south side of road; bronze tablet stamped "7599 Denv".....	7,597.585
Pinewood, 0.5 mile west of, sec. 26, T. 5 N., R. 71 W., 200 feet west of house, in face of rock, south side of road; bronze tablet stamped "6673 Denv"..	6,671.670
Pinewood, 0.5 mile northeast of, in sec. 11, T. 5 N., R. 70 W., north side of road at summit of Bald Mountain; iron post stamped "6772 Denv".....	6,771.790

**From Lyons to Noland.**

T. 3 N., R. 70 W., sec. 5, southwest corner of Noland schoolhouse; aluminum tablet stamped "6025 Denv".....	6,023.575
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**From sec. 1, T. 5 N., R. 71 W., along stage road to point 5 miles east of Estes Park.**

T. 5 N., R. 71 W., sec. 6, 900 feet west of bridge 5, 50 feet south of creek, 2 feet north of road, in small rock; aluminum tablet stamped "5808 Denver".....	5,807.128
T. 6 N., R. 71 W., sec. 33, 0.5 mile northwest of forks of Big Thompson Creek, in front of Hersman place; iron post stamped "6343 Denver"....	6,341.879
T. 5 N., R. 71 W., sec. 3, 0.3 mile west of forks of Big Thompson Creek, on south fork, 100 feet west of turn of creek, 100 feet east of cabin, 10 feet south of road, in large rock; aluminum tablet stamped "6201 Denver"..	6,200.000
T. 5 N., R. 71 W., sec. 8, 0.4 mile west of bridge 9, 3 feet south of road, flat rock; aluminum tablet stamped "6778 Denver".....	6,776.659
T. 5 N., R. 72 W., sec. 13, 200 feet south of creek, 0.9 mile west of bridge 11, west end of little flat, 5 feet south of road; iron post stamped "7003 Denver".....	7,002.274

T. 5 N., R. 72 W., sec. 22, 500 feet east of bridge 13, south edge of road, in large rock; aluminum tablet stamped "7269 Denver" ..... Feet.  
7, 267. 711

### Home quadrangle.

### GRAND AND LARIMER COUNTIES.

The elevations in the following list were determined by primary leveling and accord with the 1912 adjustment. Orthometric and rod corrections have been applied.

The leveling was done in 1914 by C. A. Ecklund and Roscoe Reeves.

NOTE.—The line north from Gleneyre into Laramie quadrangle, Wyoming, closes 2.2 feet high upon an adjusted elevation, page 22, Bulletin 558.

### HOME QUADRANGLE.

[Latitude 40° 30'–41°; longitude 105° 30'–106°.]

From point 2 miles southwest of Log Cabin southwest along highway to Laramie Lake, thence south to Poudre Pass.

Log Cabin, 2 miles southwest of, 3.3 miles northeast of Elkhorn, on east side of road, in large rock 2½ feet high; bronze tablet stamped "7621" .....	Feet. 7, 620. 943
Log Cabin, 3 miles southwest of, 2.25 miles northeast of Elkhorn, 175 feet north of bend to west in road, top of small hill, on east side of road; top of rock, painted "7714" .....	7, 714. 24
Elkhorn, 1 mile northeast of, on Meadow Brook ranch, in yard of ranch house; top of rock, painted "7717" .....	7, 717. 46
Elkhorn, 10 feet west of Elkhorn post office, south side of road, in top of large rock; bronze tablet stamped "7891" .....	7, 891. 234
Elkhorn, 1 mile west of, at T road to north, 1,000 feet east of school house, 10 feet south of road; top of rock painted "8050" .....	8, 050. 54
Elkhorn, 1.7 miles west of, at road forks to Manhattan, in culvert; copper nail .....	8, 147. 26
Elkhorn, 2 miles southwest of, 1,000 feet north of summit of Pingree Hill, 20 feet west of road, in top of north one of four stumps; copper nail, painted "8321" .....	8, 322. 03
Elkhorn, 2.8 miles southwest of, 0.6 mile south of summit of Pingree Hill, bend in road to west, 20 feet east of road, in top of large rock; bronze tablet stamped "8064" .....	8, 064. 536
Elkhorn, 4 miles southwest of, 1 mile north of Rustic Lodge, 5 feet north of road, 5 feet from small bridge over creek; painted "7463" .....	7, 463. 78
Elkhorn, 5 miles southwest of, 50 feet east of Rustic Lodge, east side of bend in road; rock between two gates, painted "7163" .....	7, 163. 21
Home, 5.4 miles east of, 1 mile west of Rustic Lodge, 10 feet north of road, in top of rock 10 feet high; tablet stamped "7220" .....	7, 220. 158
Home, 4.25 miles east of, 50 feet east of road fork to Twin Pines, 75 feet northeast of bridge over Cache la Poudre River, on north side of road; bottom of large rock, painted "7311" .....	7, 311. 46
Home, 3.25 miles east of, 100 feet north of Cache la Poudre River, 175 feet east of bridge over small creek, north side of road; top of rock 1 foot high, painted "7428" .....	7, 428. 37
Home, 2.25 miles east of, 200 feet southeast of Idylwild Cottage, 20 feet north of road, inside of fence, in top of large rock; tablet stamped "7501" .....	7, 501. 480
Home, 1.3 miles east of, 1,000 feet east of bend in Cache la Poudre River to south, north side of road, on side of small cliff; top of small rock, painted "7582" .....	7, 582. 26



	Feet.
Home, 0.4 mile east of, 50 feet north of river, 10 feet south of road; top of boulder 5 feet high, painted "7638".....	7, 638.82
Home, in log cabin; copper nail.....	7, 653.53
Home, 0.6 mile west of, 10 feet north of road, in top of large rock 3 feet high; tablet stamped "7680".....	7, 680.579
Home, 1.6 miles west of, 0.25 mile northwest of Ranch house, 50 feet north of road, on south side of small bench; top of small rock, painted "7718".....	7, 718.64
Home, 2.6 miles west of, 750 feet east of Roaring Creek, 10 feet west of road, in bottom of south gatepost; nail, painted "7736".....	7, 736.26
Home, 3 miles west of, 0.25 mile southwest of Williams's place, 200 feet northwest of old cabins, north side of road, in rock 4 feet high; bronze tablet stamped "7746".....	7, 746.120
Home, 4 miles west of, 1 mile southwest of Williams's place, west side of large meadow, 10 feet west of road; on rock flush with ground, painted "7771".....	7, 771.60
Home, 5 miles west of, 0.75 mile northeast of Koch's cabin, west end of culvert; copper nail, painted "7787".....	7, 787.66
Home, 6 miles southwest of, 0.25 mile southwest of Koch's cabin, west side of road, in top of rock 4 feet high; tablet stamped "7845".....	7, 845.748
Home, 7 miles southwest of, 1 mile east of Greeley Hydroelectric Co.'s tunnel (east portal), 500 feet southeast of three houses, 20 feet south of road, on fence line; top of rock, painted "7928".....	7, 929.02
Home, 8 miles southwest of, 0.25 mile east of Greeley Hydroelectric Co.'s tunnel (east portal), 150 feet southwest of log cabin, 20 feet north of Cache la Poudre River, north side of road, on top of rock outcrop; painted "8023".....	8, 023.18
Home, 9 miles southwest of, 0.75 mile south of Greeley Hydroelectric Co.'s tunnel (east portal), 200 feet west of Cache la Poudre River, west side of road, on bare point, in rock 2 feet high; bronze tablet stamped "8219".....	8, 219.694
Home, 10 miles southwest of, 1.75 miles south of Greeley Hydroelectric Co.'s tunnel (east portal), 50 feet east of Cache la Poudre River, west side of road; top of rock 2 feet high, painted "8380".....	8, 380.93
Home, 11 miles southwest of, 3 miles northeast of Chambers Lake, 0.25 mile west of bridge, near forks of Cache la Poudre River, west side of road; north side of rock 1.5 feet high, painted "8491".....	8, 492.02
Home, 12 miles southwest of, 2 miles northeast of Chambers Lake, 600 feet northeast of bridge over Cache la Poudre River, south end of park, 100 feet east of road, in rock 6 inches above ground; bronze tablet stamped "8665".....	8, 665.390
Home, 13 miles southwest of, 1 mile northeast of Chambers Lake, north end of corduroy bridge 50 feet long, east side of road; top of rock, painted "8922".....	8, 923.17
Chambers Lake, 0.25 mile northeast of, forks of Laramie River and Cache la Poudre roads, in west gatepost; copper nail, painted "9153".....	9, 153.89
Chambers Lake; surface of water June 15, 1914.....	9, 149.16
McNabb's ranch house, 0.9 mile southwest of, 0.85 mile southwest of outlet of Chambers Lake, 150 feet northeast of road crossing on Trap Creek, east side of road; top of granite rock, painted "9155".....	9, 156.06
Trap Creek, 0.67 mile southwest of, 1.57 miles southwest of McNabb's ranch house, 0.75 mile northeast of forks of road to Cameron Pass, south side of road, on sloping rock flush with surface; bronze tablet stamped "9333".....	9, 333.835
Trap Lake, 3 miles northwest of, 30 feet northwest of forks of road to Cameron Pass, 2.35 miles southwest of McNabb's ranch house; top of granite rock, painted "9507".....	9, 508.05

Trap Lake, 2 miles northwest of, 1.16 miles southeast of forks of road to Cameron Pass, northwest of road crossing over Trap Creek, 6 feet north of road, in south root of and 2 feet from base of large yellow pine; copper nail, painted "9791" .....	Feet. 9,791.70
Trap Lake, 0.7 mile northwest of, 2.4 miles southeast of forks of road to Cameron Pass, 130 feet southeast of small stream crossing 40 feet east of road, in granite rock flush with ground; bronze tablet stamped "9918" ..	9,918.740
Trap Lake; surface of water September 5, 1914 .....	9,936.5
Trap Lake, 0.18 mile southeast of, summit of hill, south side of road, on top of granite rock 2 feet high; painted circle, painted "10040" .....	10,041.36
Trap Lake, 1.13 miles southeast of, 135 feet north of corduroy bridge, west side of road, on top of granite rock 6 feet high; chiseled circle, painted "10057" .....	10,058.28
Trap Lake, 2.1 miles southeast of, 40 feet southwest of small stream crossing 15 feet west of road, in top of granite ledge; bronze tablet stamped "10231" .....	10,232.203
Trap Lake, 3.06 miles southeast of, 980 feet south of Corral Creek, 10 feet west of road, on top of granite rock; circle, painted "10190" .....	10,191.63
Trap Lake, 4.13 miles southeast of, 1,300 feet northeast of summit of road over Middle Mountain, 100 feet south of small stream crossing, west side of road, in north root of yellow pine; copper nail, painted "10386" .....	10,387.01
Poudre Pass, 2.6 miles northeast of, at Ditch camp, 550 feet south of stream crossing at foot of Middle Mountain, 15 feet west of road, in top of granite rock 2 feet high; bronze tablet stamped "10098" .....	10,099.461

**From Laramie Lake north along highway to Glendevey, thence north to point near Log Cabin.**

Lake north of Chambers Lake; surface of water June 15, 1914 .....	9,295.14
Chambers Lake, 0.75 mile north of, on west side of Lost Lake, 10 feet east of road, in rock 3 feet high; bronze tablet stamped "9329" .....	9,329.691
Chambers Lake, 1.75 miles north of, 10 feet west of road; top of rock 6 inches above ground, painted "9206" .....	9,207.56
Chambers Lake, 2.75 miles north of, where road fords Laramie River, east side of river, south side of road; top of rock 1.5 feet high, painted "8773" ..	8,773.59
Glendevey, 11 miles south of, 4 miles north of Chambers Lake, 1.5 miles south of Greeley Hydroelectric Co.'s tunnel (west portal), 150 feet west of road, in rock 2 feet high; bronze tablet stamped "8692" .....	8,692.372
Glendevey, 9.75 miles south of, 5.25 miles north of Chambers Lake, 0.5 mile south of Greeley Hydroelectric Co.'s tunnel (west portal), 20 feet east of road, in fence corner, in base of post; spike, painted "8596" .....	8,597.16
Glendevey, 9.5 miles south of, 1,000 feet northwest of Greeley Hydroelectric Co.'s tunnel (west portal), east side of road, on north end of combined headgate and bridge; painted "8577" .....	8,577.55
Glendevey, 8.75 miles south of, 0.75 mile north of Greeley Hydroelectric Co.'s tunnel (west portal), 75 feet east of road; top of boulder 4 feet high, painted "8565" .....	8,565.76
Glendevey, 8 miles south of, 1.5 miles north of Greeley Hydroelectric Co.'s tunnel (west portal), 0.25 mile north of log cabin, 75 feet west of road, 50 feet east of rail fence, in top of rock 1 foot high; tablet stamped "8519" .....	8,520.107
Glendevey, 7 miles south of, 2.5 miles north of Greeley Hydroelectric Co.'s tunnel (west portal), 250 feet south of fence corner, east side of road; top of rock 2 feet high, painted "8486" .....	8,487.12
Glendevey, 5.75 miles south of, 200 feet south of ranch house, 40 feet east of road; top of large rock 2 feet high, painted "8443" .....	8,443.83

	Feet.
Glendevay, 5 miles south of, 40 feet east of log cabin, 50 feet south of road forks, 5 feet west of road, in flat rock 6 inches above ground; tablet stamped "8395".....	8, 395. 535
Glendevay, 3.75 miles south of, 300 feet east of cabin (roof only visible from t. b. m.), east side of road, in base of tree stump 3 feet high; copper nail, painted "8350".....	8, 350. 22
Glendevay, 2.75 miles south of, 10 feet west of road, 2 feet west of fence, in base of telephone pole; spike, painted "8362".....	8, 362. 69
Glendevay, 1.5 miles south of, 300 feet east of road, 150 feet east of log cabin in small aspen grove, in top of large rock; tablet stamped "8339".....	8, 339. 656
Glendevay, 0.5 mile south of, 100 feet south of excavations for dam, 20 feet east of road, west side of Laramie River; west end of large rock, painted "8251".....	8, 251. 82
Glendevay, in east end of bridge over Laramie River; nail.....	8, 230. 99
Glendevay, 0.25 mile north of, 5 feet west of road, 10 feet east of ditch; top of rock 1 foot high, painted "8234".....	8, 234. 03
Glendevay, 1 mile south of, 10 feet west of road; top of large boulder, painted "8431".....	8, 431. 28
Glendevay, 2 miles southeast of, west slope Dead Man Hill, north side of road, 10 feet northwest of small bridge, in top of rock $4\frac{1}{2}$ feet high; tablet stamped "8914".....	8, 914. 721
Glendevay, 3 miles southeast of, 200 feet west of bend in Dead Man Creek to north, 5 feet north of road; top of large rock, painted "9498".....	9, 498. 62
Glendevay, 4 miles east of, west end of Dead Man Park, 10 feet north of road; top of large rock, painted "9745".....	9, 745. 73
Glendevay, 5 miles east of, in Dead Man Park, 700 feet east of trail to Manhattan, 40 feet north of road, 40 feet south of fence, in top of large flat rock; tablet stamped "9831".....	9, 831. 434
Glendevay, 6 miles east of, 300 feet south of long wood bridge, 10 feet west of road, in root of dead tree; copper nail, painted "9959".....	9, 959. 52
Glendevay, 7 miles east of, top of Dead Man Hill, 5 feet south of road, in root of dead tree; copper nail, painted "10267".....	10, 268. 23
Glendevay, 8 miles east of, 0.75 mile east of summit of Dead Man Hill, 5 feet north of road, in top of large rock; tablet stamped "9999".....	9, 999. 937
Glendevay, 9 miles east of, 1.75 miles east of summit of Dead Man Hill, at old McCarty sawmill site, 15 feet north of road, in root of tree stump; copper nail, painted "9601".....	9, 602. 04
Glendevay, 10 miles east of, at old site of Corbin & Black's sawmill, 100 feet east of log cabin, 5 feet north of road, in root of dead tree; copper nail, painted "9360".....	9, 360. 38
Glendevay, 11 miles east of, 15 miles west of Log Cabin, 800 feet east of old site of Poor's sawmill, on south side of road, in top of rock; tablet stamped "9182".....	9, 182. 914
Glendevay, 12 miles east of, 14 miles west of Log Cabin, 600 feet west of old sawmill site, south side of road; top of rock, painted "9381".....	9, 381. 96
Glendevay, 13 miles east of, 0.7 mile west of Yockey's sawmill site, south side of road; top of large rock, painted "9490".....	9, 490. 90
Log Cabin, 12 miles west of, 0.25 mile east of Yockey's sawmill site, 15 feet south of road, in top of large rock; tablet stamped "9156".....	9, 156. 832
Log Cabin, 11 miles west of, 0.25 mile east of Lone Pine ranger station, 50 feet west of Colorado National Forest boundary post, 15 feet north of road; top of large rock, painted "8891".....	8, 891. 48
Log Cabin, 10 miles west of, 1.25 miles east of Lone Pine ranger station, 200 feet south of Benton's cabin, 10 feet north of road; top of large rock, painted "8588".....	8, 588. 69

Log Cabin, 9 miles west of, 8.25 miles east of Lone Pine ranger station, 15 feet north of road, in top of large rock; tablet stamped "8359".....	Feet. 8, 359. 541
Log Cabin, 8 miles west of, 200 feet northwest of road forks to Raymer's ranch, 75 feet north of road; top of large rock, painted "8309".....	8, 308. 88
Log Cabin, 7 miles west of, 250 feet north of West Lake schoolhouse, 100 feet north of road; top of rock, painted "8226".....	8, 226. 66
Log Cabin, 6 miles west of, at forks of road to Hardin's ranch, 10 feet south of main road, in top of rock; tablet stamped "8162".....	8, 161. 915
Log Cabin, 5 miles west of, 10 feet north of road, 6 feet above elevation of road; top of granite rock, painted "8231".....	8, 231. 73
Log Cabin, 4.13 miles west of, 250 feet east of gate to Fred Smith's ranch house, north side of road; top of granite rock 3 feet high, painted "8035".....	8, 034. 98
Log Cabin, 3.4 miles west of, 100 feet east of bridge over Lone Pine Creek, 10 feet east of road forks, in large granite rock; bronze tablet stamped "7923".....	7, 923. 575
Log Cabin, 2 miles west of, 440 feet west of stream crossing, 30 feet north of road, 35 feet northwest of large pine stump in line of fence, in south root of large pine tree; copper nail, painted "7894".....	7, 894. 16

**From Glendevey northwest along highway to Gleneyre, thence south and east to point 1 mile north of Glendevey.**

Glendevey, 1 mile north of, 800 feet east of barn in meadow, 300 feet south of forest boundary post, 30 feet west of road, rock monument 2½ feet high on south side of p. b. m., in top of rock 1 foot high; tablet stamped "8200".....	8, 200. 437
Glendevey, 2.5 miles north of, 300 feet south of fence corner, 75 feet east of road; on flat rock, painted "8273".....	8, 273. 65
Glendevey, 3 miles north of, 20 feet west of road; top of large rock, painted "8232".....	8, 232. 65
Glendevey, 4.25 miles north of, 300 feet west of gate, 75 feet north of fence, 3 feet north of rock monument 2½ feet high, in top of small rock; tablet stamped "8158".....	8, 158. 314
Glendevey, 5.5 miles north of, 450 feet south of gate, 50 feet west of road, north of rock pile; top of rock, painted "8101".....	8, 101. 57
Glendevey, 6.25 miles north of, 50 feet west of road; top of rock, painted "8070".....	8, 069. 94
Gleneyre (Schroeder's ranch), 0.5 mile southeast of, 100 feet east of road, 3 feet north of rock monument 2½ feet high, in rock 4 inches above ground; tablet stamped "8025".....	8, 025. 609
Gleneyre, 0.5 mile southeast of, 100 feet east of road, rock pile on south side, in rock 4 inches above ground; tablet stamped "8025".....	8, 025. 609
Gleneyre, 1 mile south of, 250 feet east of road; top of large rock, painted "8043".....	8, 043. 43
Gleneyre, 2 miles south of, 0.25 mile east of ranch house, in McIntyre Creek, 10 feet east of road; top of rock 1.5 feet high, painted "8135".....	8, 135. 74
Gleneyre, 3.5 miles south of, 0.5 mile northeast of Moon's ranch, 100 feet east of fence corner, 90 feet east of road, in top of large rock; tablet stamped "8176".....	8, 176. 193
Gleneyre, 4 miles south of, 100 feet west of road, 0.25 mile east of Moon's ranch, at west end of rock outcrop, on fence line; top of large rock, painted "8207".....	8, 208. 01
Gleneyre, 5 miles south of, 1 mile south of Moon's ranch, 5 feet west of road, in root of tree stump 4½ feet high; copper nail painted "8217".....	8, 217. 98
Gleneyre, 6.3 miles south of, 0.25 mile east of Talmage's store, 50 feet southwest of forks of road to North Park, in top of large boulder; tablet stamped "8309".....	8, 309. 132

Glendevey, 2.5 miles west of, 1 mile east of Talmage's store, north side of road; top of large rock, painted "8481".....	Feet. 8, 481. 39
Glendevey, 1.5 miles west of, north side of road; top of large rock, painted "8413".....	8, 413. 75
Glendevey, 0.5 mile west of, 0.75 mile east of Glendevey ranger station, 50 feet north of road, in top of boulder; tablet stamped "8324".....	8, 324. 830
Glendevey, 1 mile north of, 800 feet east of barn in meadow, 300 feet south of forest boundary post, 30 feet west of road, rock monument 2½ feet high on south side of p. b. m., in top of rock 1 foot high; tablet stamped "8200".....	8, 200. 437

**From Gleneyre northwest along highway to Colorado-Wyoming State line.**

Gleneyre (Schroeder's ranch), 0.5 mile northeast of, 50 feet east of road; top of large rock, painted "7985".....	7, 985. 69
Gleneyre (Schroeder's ranch), 1.5 miles north of, 800 feet north of gate, 75 feet west of road forks; top of rock 1 foot high, painted "7952".....	7, 952. 06
Gleneyre, 2.7 miles north of, 0.5 mile north of Tatham's ranch, 400 feet north of gate, 100 feet west of road, 5 feet south of small ranch monument, in top of small rock; tablet stamped "7964".....	7, 964. 805
Gleneyre, 3.8 miles north of, 0.25 mile east of Forrester's ranch, east side of road, in gate post; spike painted "7914".....	7, 914. 61
Gleneyre, 4.8 miles north of, 1 mile north of Forrester's ranch, 10 feet east of road; top of rock, painted "7975".....	7, 975. 76
Jelm, 10 miles south of, 5.6 miles north of Gleneyre, 1,000 feet east of ranch house, 600 feet west of road, 150 feet east of fence, south side of small gully, in top of large boulder; tablet stamped "7853".....	7, 853. 496
Jelm, 9 miles south of, 300 feet east of Grace Creek ranch house, 50 feet north of corduroy bridge; top of large rock, painted "7789".....	7, 789. 59
Jelm, 8 miles south of, 1 mile north of Grace Creek ranch, west side of road, in fence post; nail painted "7767".....	7, 767. 10
Jelm, 7 miles south of, 0.5 mile south of Boswell's ranch, 50 feet east of road, 100 feet north of corduroy bridge, in small rock; tablet stamped "7739".....	7, 738. 821
Jelm, 5 miles south of, 0.75 mile east of Boswell's ranch, north side of road, in stake flush with ground; copper nail.....	7, 870. 44

**Eaton quadrangle.**

**LARIMER AND WELD COUNTIES.**

The elevations in the following list are based upon the precise-level line of the Coast and Geodetic Survey traversing this area.

The leveling was done in 1905 by C. I. Anderson, in 1906 by G. A. Joslin, and in 1908 by W. R. Winsted.

**EATON QUADRANGLE.**

[Latitude 40° 30' -41°; longitude 104° 30' -105°.]

**From Fort Collins east along wagon road to Eaton.**

Fort Collins, 3 miles southeast of, sec. 17, T. 7 N., R. 68 W., 500 feet southeast of Slockett's ranch, at junction with road north, on east side of road; iron post stamped "4927 Denver".....	Feet. 4, 926. 023
Timnath, 2.5 miles north of, northeast corner of sec. 22, T. 7 N., R. 68 W., at crossroads, on southwest corner of intersection, 25 feet south of corner, opposite H. M. Lewis's farmhouse; iron post stamped "4916 Denver"....	4, 914. 889

Timnath, southeast corner of Timnath schoolhouse, third course from ground, in corner stone; aluminum tablet stamped "4877" .....	Feet. 4, 876. 241
T. 7 N., R. 68 W., southeast corner of, 2.5 miles southeast of Timnath, north side of road, 4 feet west of fence corner; iron post stamped "4881 Denver".....	4, 879. 894
Windsor, 3 miles north of, 800 feet south of northeast corner of sec. 4, T. 6 N., R. 67 W., on west corner of road intersection at Geo. Breminan's ranch house, 500 feet south of Windsor reservoir; iron post stamped "4924 Denver".....	4, 922, 946
Severance, 1 mile east of, southwest corner of sec. 36, T. 7 N., R. 67 W., 6 miles west of Eaton, northwest corner of road intersection, at Walter Baldridge ranch; iron post stamped "4894 Denver".....	4, 892. 949
Eaton, 3 miles west of, 2 feet east of southwest corner of sec. 34, T. 7 N., R. 66 W., north side of wagon road; iron post stamped "4862 Denver" ..	4, 860. 816
Eaton, southwest corner of sec. 31, T. 7 N., R. 66 W., southwest corner of schoolhouse lot; iron post stamped "4826 Denver".....	4, 824. 981

**From Eaton east 7 miles, north 6 miles, west 1 mile, north 2 miles, and west to Pierce.**

Eaton, 3 miles east of, southwest corner of sec. 34, T. 7 N., R. 65 W., northeast corner of crossroads, 150 feet east of bridge over Lone Tree Creek, at John Ward's ranch house; iron post stamped "4774 Denver 1906".....	4, 773. 053
Canal, 0.2 mile south of, sec. 18, T. 7 N., R. 64 W., east side of road, beside fence; iron post stamped "4851 Denver 1906".....	4, 849. 817
T. 8 N., R. 64 W., sec. 32, summit of little ridge; iron post stamped "5007 Denver 1906".....	5, 005. 022
T. 8 N., R. 64 W., southwest corner of sec. 19, 6 feet east of corner stake; iron post stamped "5021 Denver 1906".....	5, 019. 112
Pierce, 5 miles east of, at foot of fence corner opposite Olive Branch schoolhouse (district 62); iron post stamped "4950 Denver 1906".....	4, 958. 148
Pierce, 1.8 miles east of, road corner, 5 feet from fence corner post, on south side of road; iron post stamped "5054 Denver 1906".....	5, 051. 895

**From Pierce west along first wagon road north of Pierce to Blackhollow, thence southwest to Fort Collins road to sec. 28, T. 8 N., R. 68 W.**

Pierce, 3 miles west of, north side of road, 4 feet east of north-south fence, foot of third post north of fence corner; iron post stamped "5160 Denver 1906".....	5, 158. 863
Pierce, 5.8 miles west of, 0.6 mile west of Walker's ranch house, summit of hill, north side of road; iron post stamped "5280 Denver 1906".....	5, 278. 763
Blackhollow, 0.8 mile southwest of, summit of hill west of first draw west of Blackhollow, 15 feet north of road; iron post stamped "5171 Denver 1906" ..	5, 169. 558
T. 8 N., R. 67 W., northwest corner of sec. 31, on Larimer-Weld county line; iron post stamped "5159 Denver 1906".....	5, 157. 621

**From Dover north along Union Pacific R. R. to Carr.**

Dover, in front of section house; top of rail.....	5, 409
Dover, 3 miles northwest of, 0.25 mile northwest of section post, 0.5 mile southeast of "Decker 1 mile" post, east side of track, by telegraph pole; iron post stamped "5524 Denver 1906".....	5, 522. 780
Carr, 2.9 miles southeast of, 1,000 feet north of cut, east side of track, 6 feet west of road, beside telegraph pole; iron post stamped "5632 Denver 1906" ..	5, 630. 787
Carr, in front of station; top of east rail.....	5, 704. 3

**From Carr southeast along road via Slayton's ranch to sec. 28, T. 10 N., R. 65 W., thence south to sec. 6, T. 9 N., R. 65 W., thence west to Dover.**

Carr, 2.9 miles southeast of, summit of first ridge east of Lone Tree Creek, 10 feet north of road; iron post stamped "5650 Denver 1906".....	Feet. 5, 648. 797
Carr, 6.4 miles southeast of, 1.8 miles northwest of Slayton's ranch house, summit of ridge between Little Owl Creek and Owl Creek, 10 feet north of road; iron post stamped "5639 Denver 1906".....	5, 637. 828
T. 10 N., R. 66 W., northwest corner of sec. 12, 1 mile southeast of Slayton's ranch house, at forks of southeast and east roads, on line with east-west fence on west side of Owl Creek; iron post stamped "5460 Denver 1906".....	5, 458. 752
Slayton's ditch camp, 1.1 miles southeast of west side of Eastman Creek, 100 feet north of sheep corral, 50 feet from road; iron post stamped "5336 Denver 1906".....	5, 334. 802
T. 10 N., R. 65 W., southeast corner of NW. $\frac{1}{4}$ sec. 28, Eastman Creek, Fred Abbott's ranch, at foot of fence post, 10 feet west of road; iron post stamped "5258 Denver 1906".....	5, 256. 859
T. 9 N., R. 65 W., northeast corner of sec. 6, 30 feet southwest of crossing of plowed furrows; iron post stamped "5345 Denver 1906".....	5, 343. 638
Dover, 3.3 miles east of, on north line near northwest corner of sec. 2, T. 9 N., R. 66 W., 300 feet east of creek, 0.3 mile north of sheep corral; iron post stamped "5290 Denver 1906".....	5, 288. 866

**From point 3 miles east of Olive Branch schoolhouse along highways north and west to Dover.**

T. 8 N., R. 64 W., southwest corner of sec. 19, 3 miles east of Olive Branch schoolhouse, 6 feet east of corner stake; iron post stamped "5021 Denver 1906".....	5, 019. 112
T. 8 N., R. 64 W., southwest corner of sec. 7, 3 feet east of fence corner, Harry Stapp's ranch; iron post stamped "5092 Denver 1908".....	5, 090. 938
T. 9 N., R. 64 W., southwest corner of sec. 19, 3 feet east of fence corner, 150 feet southeast of house; iron post stamped "5210 Denver 1908".....	5, 208. 697
T. 9 N., R. 65 W., southeast corner of sec. 15, 3 feet south of fence corner, 500 feet southwest of house; iron post stamped "5208 Denver 1908".....	5, 206. 685
T. 9 N., R. 65 W., northeast corner of sec. 17, 30 feet southeast of fence corner, 3 feet east of corner stone; iron post stamped "5175 Denver 1908".....	5, 173. 140
T. 9 N., R. 66 W., northeast corner of sec. 14, 2,640 feet south of house, 3 feet north of fence corner; iron post stamped "5230 Denver 1908".....	5, 229. 108
Dover, 3 miles southeast of, northeast corner of sec. 9, T. 9 N., R. 66 W., 1,200 feet north of house, 3 feet southeast of fence corner; iron post stamped "5306 Denver 1908".....	5, 304. 347
Dover, in southeast corner of section yard, on top of rock; square marked "U. S. $\square$ B. M." (C. & G. S. b. m.).....	5, 407. 434

**From point 0.85 mile southeast of Dover south along Union Pacific R. R. to Nunn, thence west, north, and east to point of beginning.**

Dover, 2.3 miles southeast of, at milepost 75, 60 feet west of track, near wire fence; iron post stamped "5320 Denver 1908".....	5, 318. 980
Nunn, 500 feet southwest of station, northeast corner of amusement hall at Kent Hotel, 500 feet east of center of sec. 33, T. 9 N., R. 66 W.; iron post stamped "5186 Denver 1908".....	5, 185. 199
Nunn, 3 miles northwest of, northeast corner of sec. 36, T. 9 N., R. 67 W., 30 feet southwest of corner stone; iron post stamped "5235 Denver 1908".....	5, 233. 282
Nunn, 6 miles northwest of, northeast corner of sec. 12, T. 9 N., R. 67 W., 4 feet east of fence; iron post stamped "5337 Denver 1908".....	5, 335. 535

## From Nunn south along Union Pacific R. R. to Eaton.

Nunn, 2.6 miles southeast of, about center of secs. 10 and 15, T. 9 N., R. 66 W., 500 feet west of house, 60 feet west of track, north of road, at road crossing; iron post stamped "5112 Denver 1908".....	Feet. 5, 110. 653
Pierce, 1,000 feet west of station, 5.3 miles southeast of Nunn, in west face at southwest corner of Shafer & Stoyall's brick store; aluminum tablet stamped "5041 Denv. 1908".....	5, 039. 788
Pierce, 2 miles southeast of, 600 feet east of quarter corner on south line of sec. 35, T. 8 N., R. 66 W., 60 feet west of track, north of road at road crossing; iron post stamped "4990 Denver 1908".....	4, 988. 517
Ault, 300 feet southwest of station, in southeast corner of east face of W. N. Williamson's real estate and insurance office; aluminum tablet stamped "4840 Denver 1908".....	4, 940. 163
Ault, 2 miles southeast of, 60 feet west of track, north of road, 1,200 feet east of quarter corner on south side of sec. 24, T. 7 N., R. 66 W., at road crossing 60-D-60-E; iron post stamped "4867 Denver 1908".....	4, 865. 550

## From Carr north along Union Pacific R. R. to Athol, Wyo.

Carr, in southeast corner of the yard of railroad section house, on top of granite post; square (C. & G. S. b. m.).....	5, 703. 315
Carr, 3 miles north of, 600 feet north of milepost 89, 63 feet east of track, 3 feet east of wire fence, 10 feet west of road, 21 feet south of house; iron post stamped "5840 Denver 1908".....	5, 838. 576
Carr, 6 miles north of, 300 feet north of milepost 92, 600 feet south of electric signal, 63 feet east of track, 3 feet east of wire fence, 2,000 feet northwest of tent, 150 feet west of road; iron post stamped "5993 Denver 1908".....	5, 991. 821

## From northwest corner of sec. 12, T. 10 N., R. 66 W., east 2 miles, north 1.5 miles, east 7.5 miles, south 4.5 miles, thence west to sec. 28, T. 10 N., R. 65 W.

T. 10 N., R. 66 W., northwest corner of sec. 12, 1 mile southeast of Slayton's ranch house, at forks of southeast and east roads, on line with east-west fence, west side of Owl Creek; iron post stamped "5460 Denv. 1906"....	5, 458. 652
T. 11 N., R. 65 W., SW. $\frac{1}{4}$ sec. 32, 0.2 mile northeast of section corner at crossroad, in northwest corner of roads; iron post stamped "5433 Denver 1908".....	5, 431. 698
T. 11 N., R. 65 W., center of sec. 34, 3 feet north of fence corner; iron post stamped "5544 Denver 1908".....	5, 543. 166
T. 11 N., R. 64 W., on township line, quarter corner of sec. 36, 30 feet northeast of corner stone; iron post stamped "5394 Denver 1908".....	5, 392. 554
T. 10 N., R. 64 W., about center of sec. 33, 1 mile east and 1.3 miles north of Willow Creek, on top of large hill; iron post stamped "5413 Denver 1908"....	5, 412. 172
T. 10 N., R. 64 W., about center of sec. 16, 1.7 miles south of Willow Creek, 1 mile north of big hill, 500 feet west of old road, on top of small hill; iron post stamped "5403 Denver 1908".....	5, 402. 054
T. 10 N., R. 65 W., near northwest corner of sec. 24, 1,000 feet southeast of section stone, 0.8 mile north of house; iron post stamped "5427 Denver 1908".....	5, 426. 078

## From Carr northwest along highways to point 1 mile north of Warren's siding.

Carr, 5 miles northwest of, at road to North Cheyenne and Fort Collins telephone line, 30 feet east of road; iron post stamped "5907 Denver 1908"....	5, 905. 205
Carr, 6.5 miles northwest of, at second-class road fork east, 1,200 feet west of house, 80 feet west of road; point on rock marked "5958".....	5, 956. 28



**Julesburg quadrangle.****SEDGWICK COUNTY.**

The three following elevations are approximate only; they depend on the bench mark established in 1896 at Sidney, Nebr., consisting of a copper bolt set in the astronomic monument in the parade grounds of old Fort Sidney, marked "U.S.G.S 4086 feet B.M." The elevation of this bench mark has been accepted as 4,086.279 feet above mean sea level, based on Union Pacific Railroad datum.

The leveling was done by R. C. Cornish in 1897.

**JULESBURG QUADRANGLE.**

[Latitude  $40^{\circ} 30' - 41^{\circ}$ ; longitude  $102^{\circ} - 102^{\circ} 30'$ .]

**Near Julesburg.**

T. 12 N., R. 45 W., at section corner on Nebraska-Colorado State line, 0.5 mile west of Lodgepole Creek; iron post stamped "Sidney 3591".....	Feet. 3,590.886
Julesburg, T. 12 N., R. 45 W., in astronomical monument; bronze tablet stamped "Sidney 3560".....	3,560.480
Julesburg, T. 12 N., R. 44 W., at railroad station; iron post stamped "Sidney 3469".....	3,469.064

**Castle Rock and Colorado Springs quadrangles and Pikes Peak special quadrangle.****EL PASO, PUEBLO, AND TELLER COUNTIES.**

The elevations in the following list are based on the transcontinental line of precise levels of the Coast and Geodetic Survey.

The leveling in the Colorado Springs quadrangle was done in 1903 by J. E. Chapson, in 1905 by C. I. Anderson, and in 1906 by G. A. Joslin; that in the Pikes Peak special quadrangle in 1903 by J. E. Chapson and in 1907 by Charles Hartman; and that in the Castle Rock quadrangle in 1905 by C. I. Anderson.

**COLORADO SPRINGS QUADRANGLE.**

[Latitude  $38^{\circ} 30' - 39^{\circ}$ ; longitude  $104^{\circ} 30' - 105^{\circ}$ .]

**From Colorado Springs via Denver & Rio Grande R. R. to Adams Crossing, thence along roads to Garden of the Gods and return to Colorado Springs.**

Colorado Springs, 2,000 feet north of station, west of track, north abutment of railroad bridge over Monument Creek, in second rock from end where offset begins; bottom of square hole (C. & G. S. b. m. A.).....	Feet. 5,988.016
Colorado Springs, 2,000 feet north of station, in west end of north abutment of plat girder bridge over Monument Creek, on first stone where offsets begin, 4 feet west of Coast Survey bench mark; aluminum tablet stamped "5988 Adj. 1903".....	5,988.034
Cathedral Rock, in south face, 2 feet above ground; aluminum tablet stamped "6432 Adj. 1903".....	6,432.093
Cathedral Rock, east side of, in rock at gate to Garden of the Gods, 5 feet above ground; aluminum tablet stamped "6415 Adj. 1903".....	6,414.626
Colorado Springs, 2 miles west of, top of hill opposite Brewer house, 30 feet south of road; iron post stamped "6310 Adj. 1903".....	6,309.584

From Colorado Springs via Denver & Rio Grande R. R. to Fountain, thence via Colorado & Southern Ry. to Manitou Junction, thence along roads and Chicago, Rock Island & Pacific Ry. to Elsmere.

Colorado Springs, 1.5 miles southeast of, twelfth stone from top of upper face of southeast wing wall of masonry culvert; aluminum tablet stamped "5874 Adj. 1903".....	Feet. 5, 873. 478
Colorado Springs, 5 miles southeast of, at Skinner ranch, 300 feet east of gate, outside fence corner, in sec. 3, T. 15 S., R. 66 W.; iron post stamped "5777 Adj. 1903".....	5, 776. 859
Crews, 300 feet north of station, T. 15 S., R. 65 W., 2 feet west of fence corner; iron post stamped "5651 Adj. 1903".....	5, 650. 504
Fountain, on southeast corner of store building of F. E. Torbit, 5 feet above walk, in lava rock; aluminum tablet stamped "5547 Adj. 1903".....	5, 546. 540
Fountain, 2.7 miles northeast of, fence corner on east of right of way, at summit; iron post stamped "5612 Adj. 1903".....	5, 611. 621
Franceville Junction, 1 mile south of, southwest corner of sec. 15, T. 15 S., R. 65 W., 11 feet east of track, at fence; iron post stamped "5742 Adj. 1903".....	5, 741. 443
Franceville, 1.2 miles northwest of, east of track, 60 feet east of telephone pole, south of second trestle, and west of road crossing under trestle; iron post stamped "5981 Adj. 1903".....	5, 980. 523
Manitou Junction, 0.5 mile southeast of, road crossing at west gate of Richfield Springs, 50 feet west of railroad, 40 feet north of road; iron post stamped "6278 Adj. 1903".....	6, 277. 579
Bierstadt, 500 feet west of schoolhouse, 50 feet east of Chicago, Rock Island & Pacific Ry. crossing, 40 feet north of wagon road; iron post stamped "6536 Adj. 1903".....	6, 535. 482
Elsmere, southwest corner of stone under support at each side of water tank; bottom of square offset lettered V (C. & G. S. b. m.).....	6, 421. 288
Elsmere, 0.8 mile west of, corner of Tps. 13 and 14 S., Rs. 65 and 66 W., south of track, west of road; iron post stamped "6390 Adj. 1903".....	6, 389. 683

From Falcon along roads south and east to Amo, thence south 12 miles, and west to Fountain.

Falcon, Colorado & Southern Ry. and Denver & Rio Grande R. R. bridge over Chicago, Rock Island & Pacific Ry. bridge, northeast end of abutment, top of stone forming third course, in first of series of steps, 5 inches northeast of Coast Survey bench mark; aluminum tablet stamped "6813 Adj. 1903".....	6, 812. 701
Grandview, 1,000 feet west of schoolhouse, T. 13 S., Rs. 64 and 65 W., Gandry's ranch, at northwest angle of crossroads; iron post stamped "6687 Adj. 1903".....	6, 686. 809
Amo, 3 miles west of, southwest corner of sec. 33, T. 13 S., R. 64 W.; iron post stamped "6627 Adj. 1903".....	6, 626. 829
Amo, 40 feet west of, northwest corner of sec. 1, T. 14 S., R. 64 W.; iron post stamped "6370 Adj. 1903".....	6, 369. 972
Amo, 3 miles south of, southeast corner of sec. 14, T. 14 S., R. 64 W., on high hill, south of Kennedy's ranch; iron post stamped "6339 Adj. 1903".....	6, 338. 936
T. 14 S., R. 64 W., southeast corner of sec. 35, 0.2 mile northeast of Ashley's ranch; iron post stamped "6125 Adj. 1903".....	6, 124. 896
T. 15 S., R. 64 W., northeast corner of sec. 23, 2.8 miles south of Ashley's ranch, in boulder buried 3 feet in ground; aluminum tablet stamped "5920 Adj. 1903".....	5, 919. 750
T. 15 S., R. 64 W., southeast corner of sec. 35, 5.8 miles south of Ashley's ranch; iron post stamped "5795 Adj. 1903".....	5, 795. 002

T. 15 S., R. 64 W., southwest corner of sec. 33, at Williams's ranch, on top of first high hill; iron post stamped "5787 Adj. 1903" .....	Feet. 5,787.260
Fountain, 4 miles east of, southwest corner of sec. 36, T. 15 S., R. 65 W.; iron post stamped "5610 Adj. 1903" .....	5,610.115

**From Falcon along roads north 8 miles.**

Falcon, northwest end of abutment of Colorado & Southern Ry. and Denver & Rio Grande R. R. bridge over Chicago, Rock Island & Pacific Ry., on top of stone third course of first step; bottom of square cut (C. & G. S. b. m.) .....	6,812.656
Falcon, 1.5 miles north of, northeast corner of Tps. 12 and 13 S., Rs. 64 and 65 W.; iron post stamped "6971 Adj. 1903" .....	6,970.705
Falcon, 4.7 miles north of, 0.3 mile south of northwest corner of sec. 19, T. 12 S., R. 64 W., on summit of high bald hill east of road; iron post stamped "7306 Adj. 1903" .....	7,305.777

**From Fountain along Denver & Rio Grande R. R. to Pinyon.**

Buttes, 1.5 miles north of, opposite Thomas Owens ranch, west of track, in field near fence corner, south of fork of road; iron post stamped "5435 Adj. 1903" .....	5,434.749
Buttes, 1.8 miles south of, southeast of road crossing at fence corner in field; iron post stamped "5330 Adj. 1903" .....	5,329.491
Wigwam, 0.2 mile north of, east of track, in field near fence corner; iron post stamped "5217 Adj. 1903" .....	5,216.614
Wigwam, 2.2 miles north of, west of track, in field, at northeast angle of fork road to Toof ranch; iron post stamped "5152 Adj. 1903" .....	5,151.493

**From Colorado Springs along Colorado Springs & Cripple Creek District Ry. to Saderlind.**

Colorado Springs, east end of Huerfano Street viaduct, in coping stone of northeast corner of retaining wall, near iron post; aluminum tablet stamped "5989 Colo. Sp" .....	5,988.772
Colorado Springs, 1.1 miles west of, in coping stone 8 by 2 by 5 feet, on retaining wall 6 feet high, at back of recess 100 feet east of northeast corner of brick office building of Portland mill; aluminum tablet stamped "6101 Colo. Sp" .....	6,100.406
Colorado Springs, 3.3 miles west of, 70 feet north of track, on a sandstone boulder 2 by 2 by 3 feet; aluminum tablet stamped "6525 Colo. Sp" .....	6,524.766
Colorado Springs, 4.3 miles west of, 60 feet west of railroad track, 1,000 feet north of cut, west side of small patch of oak brush, in sandstone boulder 2 by 2 by 1 foot; aluminum tablet stamped "6706 Colo. Sp" .....	6,705.389
Sublime, 8 feet south of track, 300 yards west of whistling post, on bench of granite rock in a cut; aluminum tablet stamped "7299 Colo. Sp" .....	7,298.918
Fairview, 30 feet south of track on mail line, 80 feet east of west end of switch, in outcropping boulder 4 by 3 by 3 feet; bronze tablet stamped "7935 Colo. Sp" .....	7,934.908
Fairview, South Cheyenne Canyon, 2 miles west of, 12 feet north of railroad track, 100 feet east of water tank, in a granite boulder 8 by 4 by 4 feet; aluminum tablet stamped "Colo. Sp. 8301" .....	8,300.709
St. Peters, section house, 10 feet south of railroad track, in granite boulder 14 by 8 by 4 feet; aluminum tablet stamped "8755 Colo. Sp" .....	8,754.841
Duffield, 0.2 mile west of flag station, 12 feet south of railroad track, in granite boulder 10 by 10 by 10 feet; bronze tablet stamped "9349 Colo. Sp" .....	9,349.050
Summit, 60 feet north of railroad track, 50 feet west of post office, in outcropping granite boulder; bronze tablet stamped "9913 Colo. Sp" .....	9,912.230

Saderlind, 100 yards west of switch, 20 feet north of track, on outcropping boulder 3 by 5 feet, 3 feet above grade; bronze tablet stamped "9971 Colo. Sp".....	Feet. 9, 970. 431
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**From Quarry Spur via Colorado Midland Ry. to Green Mountain Falls (unchecked spur line, elevations unreliable).**

Manitou, in front of Colorado Midland Ry. station; top of rail.....	6, 412. 7
Manitou, Manitou Soda Spring, stone facing south side of creek, east end of bow at spring, foot of handrail post; aluminum tablet stamped "6336 1906".....	6, 335. 218
Iron Springs, in front of station house; top of rail.....	6, 522. 6
Crags, 350 feet east of signpost, at switch; top of rail.....	7, 004. 6
Crags, in front of signpost; top of rail.....	7, 016. 5
Crags, 400 feet north of, north side of Fountain Creek, 100 feet north of bend of road, 20 feet west of road, in top of large round boulder; aluminum tablet stamped "7026 1906".....	7, 025. 449
Cascade Canyon, in front of station; top of rail.....	7, 393. 81
Cascade Canyon, southeast corner of porch of agent's house; iron post stamped "7391 1906".....	7, 390. 672
Culver, in front of signpost; top of rail.....	7, 483. 5
Green Mountain Falls, 500 feet southeast of station, in large boulder, south side of wood tablet.....	7, 694. 158

**From Colorado Springs south along road via Lytle to Turkey Creek, thence east to Wigwam.**

Colorado Springs, 3.6 miles south of, 10 feet east of gate of Cheyenne Mountain ranch, 6 feet from fence; iron post stamped "6087 1906." (This bench mark has been moved S. 89° W. 30 feet, but the elevation is not changed) .....	6, 087. 827
Colorado Springs, 6.5 miles south of, south edge of Little Pass, east edge of road, in top of boulder; aluminum tablet stamped "5955 1906".....	5, 954. 990
Colorado Springs, 8.4 miles south of, road corner, north side of little knoll, opposite fence corner; iron post stamped "5847 1906".....	5, 847. 081
Colorado Springs, 12.4 miles south of, 0.7 mile east of Hake's ranch, south edge of road, in flat surface of 1.5-foot rock in pile; aluminum tablet stamped "6104 1906".....	6, 103. 782
Deadmans Canyon, 0.5 mile above ranch house, 15 feet east of pine tree on side of drain, east of dugout cabin, 20 feet west of road; iron post stamped "6393 1906".....	6, 392. 765
Lawton's ranch, 1.5 miles south of, 800 feet south of road corner, 10 feet north of pine tree east of road, beside fence, in sandstone; aluminum tablet "6381 1906".....	6, 380. 871
Lytle, 1.4 miles south of schoolhouse, summit of hill east of Turkey Creek, in boulder; aluminum tablet stamped "6170 1906" .....	6, 169. 734
Lytle, 4.5 miles south of schoolhouse, 200 feet north of gate leading to ranch on creek, east side of road, beside fence; iron post stamped "5990 1906".....	5, 989. 823
Lytle, 7.6 miles south of schoolhouse, edge of bluff at head of small canyon, 10 feet west of road; iron post stamped "5911 1906".....	5, 910. 755
Greenley's ranch, 1 mile east of, on line with lone poplar tree, edge of drain, and lone pine tree, on sandy point, 10 feet west of old road; iron post stamped "5451 1906".....	5, 451. 061
Greenley's ranch, 4.4 miles east of, 1,000 feet northeast of cottonwood tree by creek, 0.4 mile west of spring, 10 feet north of old road; iron post stamped "5305 1906".....	5, 304. 951
Wigwam, 0.3 mile north of station, 30 feet east of Denver & Rio Grande R. R. tracks, at corner fence post; iron post stamped "5217".....	5, 216. 634

## CASTLE ROCK QUADRANGLE.

[Latitude 39°-39° 30'; longitude 104° 30'-105°.]

## From point 7.5 miles north of Falcon to Husted.

Falcon, 7.5 miles north of, southwest corner of Tps. 11 and 12 S., Rs. 64 and 65 W., in Myer pasture, 2 feet west of fence corner; iron post stamped "7524 Adj. 1903" .....	Feet. 7, 523. 646
T. 11 S., R. 65 W., in center of sec. 34, at K. K. ranch-house gate, 6 feet west of fence and 10 feet south of shed, in sandstone slab; aluminum tablet stamped "7559 Adj. 1903" .....	7, 558. 903
T. 11 S., R. 65 W., at southwest corner of sec. 32, west of road, in McBroom's pasture, 20 feet west of fence; iron post stamped "7629 Adj. 1903" .....	7, 628. 766
T. 11 S., R. 66 W., 300 feet east of northwest corner of sec. 36, in 6 by 10 by 4 foot sandstone slab, at Sam Brown's ranch gate; aluminum tablet stamped "7505 Adj. 1903" .....	7, 505. 195
Stout ranch, 800 feet north of, in southwest angle of crossroads, in side fence; iron post stamped "7153 Adj. 1903" .....	7, 152. 930
Husted, 0.5 mile west of Denver & Rio Grande R. R. station, in southeast angle of forks of roads, inside fence in pasture; iron post stamped "6663 Adj. 1903" (could not be found, 1911) .....	6, 662. 813
Husted, 1.2 miles south of, opposite E. P. Moon's house, second step from top of north abutment of bridge 63 A; bottom of square (C. & G. S. b. m.).	6, 517. 283

## PIKES PEAK SPECIAL QUADRANGLE.

[Latitude 38° 43' 30"-38° 54'; longitude 104° 47' 30"-105° 05' 45'.]

## From Manitou northwest along Manitou &amp; Pikes Peak Ry. (cogwheel road) to Pikes Peak, thence west to Clyde (unadjusted line closing 2 feet high).

Manitou, Manitou & Pikes Peak Ry. station, 7 feet from east side, 50 feet west of entrance, in face of wall; aluminum tablet stamped "6571" .....	6, 570. 893
Manitou, 2 miles west of, north side of track, 75 feet east of section house at Minnehaha, in face of rock; aluminum tablet stamped "8332" .....	8, 332. 441
Manitou, 2.6 miles north of, on top of small rise west and about 300 feet north of Halfway House, north side of track, in rock; aluminum tablet stamped "9010" .....	9, 010. 850
Manitou, 4.7 miles west of, south side of track, 100 feet south of "Gulch Tank," in boulder; aluminum tablet stamped "10012" .....	10, 012. 675
Manitou, 5.8 miles north of, 0.5 mile west of "Grecian Bend," west side of track, in large boulder; aluminum tablet stamped "11005" .....	11, 006. 458
Manitou, 6 miles west of, at west side entrance of Windy Point House; aluminum tablet stamped "12129" .....	12, 130. 698
Manitou, 8 miles west of, east side of track, 1 mile south of summit of Pikes Peak, in ledge of rock; aluminum tablet stamped "13006" .....	13, 007. 497
Manitou, 9 miles west of, main entrance to sleeping apartment of Summit House on top of Pikes Peak, in water table; aluminum tablet stamped "1408 1906-7" .....	14, 085. 890
Pikes Peak, 500 feet west of Summit House, in boulder 5 by 6 feet situated on the very top of Pikes Peak; aluminum tablet stamped "14109" .....	14, 109. 434
Pikes Peak, 500 feet west of Summit House, in side of boulder on summit, aluminum plate 4.8 inches wide and 7.1 inches long, engraved as follows: "U. S. Geological Survey, George Otis Smith, Director, PIKES PEAK, Latitude 38° 50' 26", Longitude 105° 02' 37", U. S. Standard Elevation above sea 14109 feet, 1908."	
Pikes Peak, in monument of rocks on summit of Pikes Peak; aluminum tablet stamped "14107 1906-7" .....	14, 109. 630

Windy Point, 3 miles south of, 400 yards north of Dam 4, at Seven Lakes, 100 yards south of forks of roads, east side of road, in boulder 4 by 5 feet; aluminum tablet stamped "10902".....	Feet. 10,903.267
Windy Point, 6 miles south of, 1.5 miles north of Clyde, 150 feet above and east of creek, 200 yards east of prominent cliff, west side of road, in boulder 5 by 6 feet; aluminum tablet stamped "9983" .....	9,983.693

**From Saderlind to Love.**

Saderlind, 3.6 miles west of, 10 feet northeast of railroad track, 200 yards west of milepost 28, at east end of cut, on bench of granite rock, 3 feet above rail; bronze tablet stamped "9631 Colo. Sp".....	9,630.862
Clyde, 0.6 mile west of station; 10 feet northeast of track, 300 yards west of Colorado Springs & Cripple Creek District Ry. tunnel, in granite boulder 10 by 3 by 3 feet; aluminum tablet stamped "9385 Colo. Sp".....	9,384.983
Love, 0.2 mile west of station, in a cut, 15 feet south of track, in granite ledge; aluminum tablet stamped "Colo. Sp. 9693".....	9,692.649

**Cripple Creek special quadrangle.****TELLER COUNTY.**

The elevations in the following list are based on an aluminum tablet stamped "9494 C C" in the south wall of the National Hotel, Cripple Creek, the height of which is accepted as 9,493.676 feet above mean sea level.

The leveling was done in 1904 by M. S. Bright.

**CRIPPLE CREEK SPECIAL QUADRANGLE.**

[Latitude 38° 41' 10"-38° 47' 10"; longitude 105° 05' 45"-105° 12' 21".]

**Circuits in Cripple Creek.**

	Feet.
Cripple Creek, opposite Midland Terminal Ry. station; top of rail.....	9,518.4
Cripple Creek, southwest corner of city hall; city bench mark.....	9,494.094
Cripple Creek, National Hotel, 3 feet west of south entrance, in stone foundation; aluminum tablet stamped "9494 C C".....	9,493.679
Cripple Creek, Teller County jail, at north entrance, in east end of stone doorsill; aluminum tablet stamped "9508 C C".....	9,508.089

**From Cripple Creek northwest and north via Red Mountain up Spring Creek to pipe line, thence south via Hoosier Pass, Vista Grande, Windy Point, Elk, and Anaconda to Cripple Creek.**

Cripple Creek, 1.5 miles northwest of, on saddle at northeast foot of Mount Pisgah, 40 feet north of road forks, near line of telegraph poles, in granite outcrop; aluminum tablet stamped "9454 C C".....	9,453.983
Standard tunnel, 0.2 mile south of, 10 feet north of road, 50 feet north of Spring Creek, in rock outcrop; aluminum tablet stamped "9328 C C".....	9,326.471
Standard tunnel, at mouth; top of east rail.....	9,523.5
Midway dairy, 120 feet north of road, in rock outcrop; aluminum tablet stamped "9817 C C".....	9,815.353
Midway dairy, 1 mile east of, 1 mile south of Lincoln mine, 50 feet east of pipe line, in triangle of roads; iron post stamped "10088 C C".....	10,086.254
Hoosier Pass, between main line of Colorado Springs & Cripple Creek District Ry. and siding, 12 feet west of public road, between two posts supporting Hoosier Pass signboard; iron post stamped "10315 C C".....	10,313.286
Vista Grande (Midway station), 13 feet west of, near Florence & Cripple Creek R. R. track, 1 foot south of signpost painted "Vista Grande"; iron post stamped "10487 C C".....	10,485.292

Elkton, south stack of Elkton Consolidated Mining & Milling Co., in south corner of stone foundation; aluminum tablet stamped "9734 C C".....	Feet. 9,732.296
Anaconda, 400 feet south of Midland Terminal Ry. station, 6 feet east of track, in wall of rock cut; aluminum tablet stamped "9525 C C".....	9,523.359
Anaconda, 1 mile northwest of, 450 feet north of World's Fair mine, 8 feet west of Midland Terminal Ry. track, in granite outcrop; aluminum tablet stamped "9534 C C".....	9,532.577

**From head of Spring Creek through Gillett, Victor Pass, and Goldfield to Elkton.**

Gillett, 1.2 miles west of, 600 feet south of Lincoln mine, 20 feet west of road forks, in rock outcrop; aluminum tablet stamped "10021 C C".....	10,019.673
Gillett, in stone foundation of electric-light plant, in west wall, 1 foot north of southwest corner; aluminum tablet stamped "9940 C C".....	9,938.285
Gillett, in front of Midland Terminal Ry. station; top of rail.....	9,932.9
Cameron, 2 miles east of, 100 feet south of milepost 17, 8 feet west of Midland Terminal Ry. track, in granite wall, aluminum tablet stamped "9841 C C".....	9,839.295
Cripple Creek Sampler & Ore Co., 425 feet east of, in Victor Pass, 12 feet south of Midland Terminal Ry. track, 1 foot east of telephone pole; iron post stamped "10202 C C".....	10,200.519
Goldfield, north side of Ninth Street, between Main and Portland streets, entrance to Red Men's Hall, in west end of stone doorsill; aluminum tablet stamped "9903 C C".....	9,901.740

**From Goldfield along railroad to Victor.**

Goldfield, in front of Florence & Cripple Creek R. R. station; top of rail...	9,881.4
Stratton Junction; top of railroad frog.....	9,807.7
Victor, in front of Colorado Springs & Cripple Creek District Ry. station; top of rail.....	9,706.3
Victor, Trading & Trust Co. building, northeast corner of Diamond Avenue and Third Street, in north end of stone doorsill; bronze tablet stamped "9718 C C".....	9,716.291
Victor, in front of Florence & Cripple Creek R. R. station; top of rail.....	9,273.0
Victor, in front of Midland Terminal Ry. station; top of rail.....	9,770.4

**From World's Fair mine No. 50, Anaconda, southwest down Cripple Creek along third-class road and west to Pony Gulch, thence north-northeast to Cripple Creek.**

Mount, 0.5 mile southwest of, west side of Cripple Creek, 200 feet south of road, in granite outcrop; aluminum tablet stamped "9232 C C".....	9,230.380
Field's ranch, 0.8 mile southwest of, 200 feet east of road forks, on saddle, south side of Dead Ox Gulch, in granite outcrop; aluminum tablet stamped "9133 C C".....	9,131.147
Arlington dairy, 2,000 feet north of, west side of Pony Gulch, east edge of road, in granite outcrop; aluminum tablet stamped "9113 C C".....	9,111.395
Cripple Creek, 1.2 miles south of, 700 feet north of powder magazines, at road forks, in granite outcrop; bronze tablet stamped "9393 C C".....	9,391.417

**Apishapa, Nepesta, and Pueblo quadrangles.**

**LAS ANIMAS, OTERO, AND PUEBLO COUNTIES.**

The elevations in the following list are determined by primary leveling extended from Colorado Springs. The lines southeast from Pueblo were originally based upon an elevation at Pueblo determined from leveling of the Denver & Rio Grande Railroad, corrected to

accord with the 1906 accepted height of a bench mark at Colorado Springs. The values here given, however, result from a double connection by the U. S. Geological Survey in 1911, and accord with the 1912 adjustment of the Coast and Geodetic Survey. Orthometric corrections have been applied, increasing the observed values cumulatively toward the south.

The leveling was done in 1896 by J. C. Barber, except that on the line from Pinyon to Pueblo, which was done in 1905 by C. I. Anderson, and the connection at Pueblo in 1911 by C. P. Gross.

#### PUEBLO QUADRANGLE.

[Latitude 38°-38° 30'; longitude 104° 30'-105°.]

##### From Pinyon along Denver & Rio Grande R. R. to Pueblo.<sup>1</sup>

Pinyon, 0.7 mile south of, east track, in field at fence corner, at north boundary of M. S. Sutherland's ranch; iron post stamped "5045 Adj. 1903" ..	Feet. 5, 044. 610
Pinyon, 2.5 miles south of, west of track, northwest of road crossing, opposite Sam Link's ranch house, inside field; iron post stamped "4962 Adj. 1903" .....	4, 961. 834.
Eden, 0.5 mile north of, west of road, inside field at fence corner; iron post stamped "4901 Adj. 1903" .....	4, 900. 727
Pueblo, 3 miles north of, 6 feet north of gate at J. W. Craig's milk ranch; iron post stamped "4782 Adj. 1903" .....	4, 781. 810
Pueblo, 4 feet north of west entrance of Centennial schoolhouse, in brown-stone water table; aluminum tablet stamped "4708 Adj. 1903" (set vertically) .....	4, 707. 870
Pueblo, 5 feet south of west entrance of Centennial schoolhouse; on northwest corner of sandstone step leading to basement; square cut .....	4, 704. 429

##### From Pueblo east along Atchison, Topeka & Santa Fe Ry. to Baxter.

Pueblo, 12 feet west of northeast corner of courthouse; bronze tablet stamped "4490" .....	4, 695. 060
Pueblo, Grand Opera House, 20 feet west of northeast corner; bronze tablet stamped "4665" .....	4, 669. 667
Pueblo, north side of main entrance to city hall; cross on lintel .....	4, 661. 65
Baxter, 720 feet west of, between tracks of Atchison, Topeka & Santa Fe Ry. and Missouri Pacific Ry.; iron post stamped "4624" .....	4, 628. 987

#### NEPESTA QUADRANGLE.

[Latitude 38°-38° 30'; longitude 104°-104° 30'.]

##### From Baxter east along Atchison, Topeka & Santa Fe Ry. to Fowler.

Chico, 1,000 feet east of railroad station, between Atchison, Topeka & Santa Fe Ry. and Missouri Pacific Ry. tracks; iron post stamped "4540" ..	4, 545. 487
Boone, 2,500 feet west of Missouri Pacific Ry. station, 300 feet east of Atchison, Topeka & Santa Fe Ry, milepost 599, and 52 feet north of Atchison, Topeka & Santa Fe Ry. tracks; iron post stamped "4477" .....	4, 481. 943
Boone, in front of Missouri Pacific Ry. telegraph office; top of rail .....	4, 471. 3
Nepesta, 3.5 miles west of, 50 feet west of center of private road, on property line between Atchison, Topeka & Santa Fe Ry. and Missouri Pacific Ry.; iron post stamped "4405" .....	4, 409. 841

<sup>1</sup> This line is based on Coast and Geodetic Survey bench marks at Colorado Springs, and is checked by two runnings.



Nepesta, NW. $\frac{1}{4}$ sec. 32, T. 21 S., R. 60 W., Atchison, Topeka & Santa Fe Ry. bridge across Arkansas River, 5 feet below capstone, 15 feet above bed of river channel, east end of north pier; bronze tablet stamped "4368".....	Feet. 4,372.870
Fowler, 3 miles west of, NW. $\frac{1}{4}$ sec. 12, T. 22 S., R. 60 W., 5 feet south of corner fence post at angle in county road, 600 feet south of Arkansas River, 150 feet south of railroad tracks; iron post stamped "4343".....	4,347.712
Fowler, SE. $\frac{1}{4}$ sec. 17, T. 22 S., R. 59 W., 1,200 feet west of railroad station, 48 feet south of Atchison, Topeka & Santa Fe Ry. tracks; iron post stamped "4331".....	4,335.937

**From Boone via Rattlesnake Buttes to Huerfano.**

Boone, 2.2 miles southwest of, midway between road on west side of Huerfano River and edge of bluff bordering marsh, 200 feet south of bend in road, 500 feet south of row of six trees in pasture, in root of cottonwood tree; copper nail.....	4,476.22
Boone, 3 miles southwest of, 0.2 mile northwest of river, 0.5 mile east and slightly north of log hut at foot of mesa, 0.8 mile northeast of residence, 900 feet north of graveyard on roadside, in root of double cottonwood tree alone in pasture; wire nail.....	4,496.22
Boone, 4.2 miles southwest of, at side of abandoned irrigation ditch, 0.8 mile southwest of adobe residence and brick building, in cottonwood tree at north end of row of four; spike.....	4,517.69
Boone, 5 miles southwest of, 17 feet south of east quarter corner of sec. 27, T. 21 S., R. 62 W.; iron post stamped "4532".....	4,536.945
Boone, 6 miles southwest of, 700 feet east of residence at foot of hill, 100 feet west of river bank; spike in root of tallest of a bunch of four cottonwood trees.....	4,553.44
Boone, 10 miles southwest of, 30 feet east of west quarter corner of sec. 19, T. 22 S., R. 62 W.; iron post stamped "4699".....	4,704.198
Huerfano Bridge, sec. 8, T. 23 S., R. 63 W., capstone on south pier, in west end; copper bolt stamped "U. S. G. S. 4774 Ft. B. M.".....	4,779.487

**From NE.  $\frac{1}{4}$  sec. 29, T. 23 S., R. 59 W., to Fowler.**

T. 23 S., R. 59 W., NE. $\frac{1}{4}$ sec. 29, 800 feet west of road, 1 mile west of Apishapa River, on top of knoll S. $26^{\circ}$ W. from northernmost of group of three buttes on opposite side of river; iron post stamped "4449".....	4,454.068
Fowler, 4 miles south of, SW. $\frac{1}{4}$ sec. 4, T. 23 S., R. 59 W., 0.5 mile west of river, 255 feet east of road; iron post stamped "4432".....	4,437.016

**From Doyle's ranch to Butler's pasture.**

Huerfano Bridge, 1.8 miles southwest of, 75 feet east of Huerfano River, 35 feet west of foot of bluff 80 feet high, 0.5 mile south of residence in Peck's pasture; spike in 3-foot cottonwood tree.....	4,814.71
Butler's pasture, 0.8 mile southwest of Pressley's house, 250 feet east of Huerfano River, 40 feet east of abandoned irrigation trench, on rock 2 by 3 feet; chiseled cross and circle.....	4,890.52
T. 23 S., R. 63 W., northeast corner of sec. 28, 15 feet south of stone, 0.8 mile northeast of Pressley's house, 500 feet southeast of edge of bank of Huerfano River, 0.2 mile east of Mexican's house on opposite side of river, 0.2 mile west of bluff; iron post stamped "4863".....	4,868.075

**From Huerfano Bridge to Rattlesnake Buttes (part of line).**

T. 23 S., R. 63 W., sec. 31, 4 miles southeast of Huerfano Bridge, 0.8 mile northwest of Mexican's residence, 20 feet north of gate in east-west fence; iron post stamped "4958".....	Feet. 4,963. 110
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**APISHAPA QUADRANGLE.**

[Latitude 37° 30'-38°; longitude 104°-104° 30'.]

**From Butler's pasture southwest to sec. 5, T. 24 S., R. 63 W.**

T. 24 S., R. 63 W., east side of sec. 5, 250 feet from gate in east-west wire fence; copper bolt in west end of rock 20 by 12 by 2.5 feet, marked "U. S. G. S. 5019 Ft. B. M.".....	5,024. 182
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**From Huerfano Bridge to Rattlesnake Buttes (part of line).**

T. 24 S., R. 62 W., NW. $\frac{1}{4}$ sec. 19, 35 feet west of road, 4 feet east of wire fence, 150 feet north of gate; iron post stamped "5074".....	5,079. 115
Hog Ranch Canyon, 0.8 mile south of mouth of, 100 feet east of road, 75 feet west of Doyle's Arroyo, 60 feet south of north end of stone ledge, on rock; chiseled cross.....	5,184. 38
T. 24 S., R. 63 W., SW. $\frac{1}{4}$ sec. 25, 200 feet southwest of road, 1,000 feet north of mouth of Hog Ranch Canyon; iron post stamped "5194".....	5,199. 115
Hog Ranch Canyon, 1.8 miles southwest of crossing, 800 feet east of road, on rock; 8 inches above ground, south side of depression; chiseled cross.....	5,329. 04
T. 25 S., R. 63 W., SE. $\frac{1}{4}$ sec. 10, 3 miles north of south edge of Butler's pasture, 40 feet east of road, 0.2 mile west of canyon; iron post stamped "5514".....	5,519. 097
Butler's pasture, 2.8 miles north of south edge, 150 feet west of road, on top of eastern of four flat rocks, 1 foot from ground; chiseled cross.....	5,575. 12
Butler's pasture, 0.5 mile north of south side, 15 feet west of road crossing long ledge on south side of clearing, 1 foot south of large pine tree; chiseled cross.....	5,680. 22
T. 25 S., R. 63 W., NW. $\frac{1}{4}$ sec. 34, 300 feet southwest of gate in south fence of Butler's pasture, 150 feet west of road to Cucharas Junction, 15 feet northeast of tree, in top of flat rock; copper bolt stamped "U. S. G. S. 5742 Ft. B. M.".....	5,747. 644
T. 26 S., R. 63 W., NE. $\frac{1}{4}$ sec. 10, 2.5 miles southeast of gate in south fence of Butler's pasture, 30 feet east of road; iron post stamped "5927".....	5,932. 192

**From Rattlesnake Buttes to Apishapa Ford.**

Rattlesnake Buttes, 0.8 mile east of, SW. $\frac{1}{4}$ sec. 22, T. 26 S., R. 63 W., 50 feet northeast of crossroads; iron post stamped "6184".....	6,189. 17
Rattlesnake Buttes crossroads, 2 miles east of, 400 feet north of road, on stone 8 inches high, 4 feet west of the highest of a group of six; chiseled cross.....	6,096. 52
Rattlesnake Buttes crossroads, 3 miles east of, NW. $\frac{1}{4}$ sec. 19, T. 26 S., R. 62 W., 50 feet north of road; iron post stamped "6009".....	6,014. 263
Rattlesnake Buttes crossroads, 6.2 miles east of, SW. $\frac{1}{4}$ sec. 15, T. 26 S., R. 62 W., 0.2 mile east of head of canyon, 300 feet north of road; copper bolt in rock 4 by 6 feet, 8 inches high, marked "U. S. G. S. 5735 Ft. B. M.".....	5,740. 118
Rattlesnake Buttes crossroads, 7.8 miles east of, 50 feet north of road, large rock, 2 feet high, split on top; cross on south end.....	5,619. 22
Rattlesnake Buttes crossroads, 8.2 miles east of, 35 feet south of road, southeast edge of a group of a dozen rocks, on northeast side of rock, 6 by 6 feet, 2.5 feet high; chiseled cross.....	5,567. 03

Rattlesnake Buttes crossroads, 10 miles east of, south side of sec. 18, T. 26 S., R. 61 W., 650 feet north of road, on west side of group of large rocks about 8 feet high; copper bolt in east end of rock 6 by 10 feet, 2.5 feet high, marked "U. S. G. S. 5444 Ft. B. M.".....	Feet. 5, 449. 235
Apishapa Ford, 6.2 miles west of, 0.2 mile south of road, 150 feet south of ravine, 80 feet east of dead cedar tree, on southeast side of small knoll bearing several cedar trees, on light rock; chiseled cross.....	5, 300. 80
Apishapa Ford, 5½ miles west of, SW. ¼ sec. 15, T. 26 S., R. 61 W., 2,000 feet south of road, 1,000 feet south of Buffalo Arroyo, on north side of rock outcrop covered with cedars and pines, 100 feet west of tree on northeast corner of group; copper bolt in light sandstone rock 15 by 8 feet, 4 feet high, marked "U. S. G. S. 5215 Ft. B. M.".....	5, 220. 218
Buffalo Arroyo, near mouth of canyon, 20 feet north of bushy cedar tree, the third on north bank from road crossing below, on light stone 3 by 1½ feet, 1 foot high; chiseled cross.....	5, 041. 85
Apishapa Ford, 2.8 miles west of, SE. ¼ sec. 13, T. 26 S., R. 61 W., 2,000 feet southeast of road crossing over Buffalo Arroyo, 1,000 feet south of road; rock outcrop covered with cedars and cactus, 150 feet southwest of northeast corner, in rock 25 by 12 by 4 feet; copper bolt stamped "U. S. G. S. 4929 Ft. B. M.".....	4, 934. 206
Apishapa Ford, 1,000 feet northeast of, NW. ¼ sec. 21, T. 26 S., R. 60 W., 250 feet southwest of road, in largest rock of group near center of small knoll; bronze tablet stamped "4814".....	4, 819. 178

**From Apishapa Canyon north to southwest corner of sec. 5, T. 24 S., R. 59 W.**

Apishapa Ford, 3.5 miles northeast of, NE. ¼ sec. 3, T. 26 S., R. 60 W., near mouth of canyon, 0.5 mile west of river, on narrow east-west ridge, 200 feet west of road; iron post stamped "4734".....	4, 739. 28
T. 25 S., R. 60 W., NW. ¼ sec. 25, 1.8 miles north of adobe house, 1.5 miles south of road crossing over Sanders Arroyo, 0.8 mile west of river, 35 feet west of road; iron post stamped "4664".....	4, 669. 293
Sanders Arroyo, 100 feet west of mouth of, 100 feet west of river; in crotch of cottonwood tree, 5 feet above ground; large wire nail.....	4, 619. 11
T. 25 S., R. 59 W., SW. ¼ sec. 5, 10 feet east of corner stone at southwest corner of sec. 5; iron post stamped "4605".....	4, 609. 996
T. 24 S., R. 59 W., 20 feet southwest of northeast corner of sec. 30; iron post stamped "4600".....	4, 604. 998
T. 24 S., R. 59 W., 1,700 feet south of northeast corner of sec. 19, west side of knoll; chiseled cross on small stone.....	4, 611. 58
T. 24 S., R. 59 W., southwest corner of sec. 5, on top of ridge, 0.8 mile west of road, 1 mile south of Mustang Creek, 1 mile S. 84° W. of lake; iron post stamped "4487".....	4, 492. 073

**From Doyles Arroyo to Mustang Creek.**

T. 24 S., R. 62 W., north side of sec. 25, 1.8 miles northwest of dwelling house in Gilpen pasture, 30 feet southwest of road to Pueblo; iron post stamped "4558".....	4, 963. 249
T. 24 S., R. 61 W., east side of sec. 29, 1.5 miles east of dwelling in Gilpen pasture, 60 feet south of Fowler-Cucharas road; iron post stamped "4836".....	4, 841. 214
T. 24 S., R. 61 W., west side of sec. 24, 5 miles east of Gilpen residence, 1 mile northwest of house on Yellowbank ranch, 30 feet southeast of road from Fowler to Cucharas; iron post stamped "4695".....	4, 700. 156

T. 24 S., R. 60 W., NE. $\frac{1}{4}$ sec. 17, 0.6 mile southeast of Mustang Creek, 0.6 mile west of east side of John Rensselaer's pasture; iron post stamped "4617".....	Feet. 4, 621. 958
T. 24 S., R. 60 W., SE. $\frac{1}{4}$ sec. 10, 1.5 miles east of east edge of John Rensselaer's pasture, 0.4 mile south of Mustang Creek, 100 yards south of edge of sagebrush; iron post stamped "4560".....	4, 564. 935

## From Gilpen pasture to Sanders Arroyo.

T. 25 S., R. 62 W., SE. $\frac{1}{4}$ sec. 3, 3.5 miles southwest of house in Gilpen pasture, 20 feet west of road to Cucharas, at gate in west fence of pasture; iron post stamped "5026".....	5, 031. 3
T. 25 S., R. 62 W., center of sec. 14, 30 feet northeast of gate on southeast side of the Jim Peck pasture, 0.2 mile southwest of Gilpen pasture; iron post stamped "5055".....	5, 060. 237
T. 25 S., R. 61 W., south side of sec. 16, 0.5 mile west of wire fence on east side of Gilpen pasture; iron post stamped "5012".....	5, 017. 215
T. 25 S., R. 61 W., NW. $\frac{1}{4}$ sec. 13, 2.8 miles east of Twin Teepee Buttes, 0.8 mile northwest of Yellowbank ranch, on east side of Sanders Arroyo, 1,000 feet northwest of small arroyo heading at Twin Teepee Buttes, on top of slight divide; iron post stamped "4860".....	4, 865. 255
T. 25 S., R. 60 W., NW. $\frac{1}{4}$ sec. 16, 5.8 miles east of Twin Teepee Buttes, 0.5 mile north of Sanders Arroyo, on edge of sagebrush; iron post stamped "4749".....	4, 754. 102

## From Apishapa Ford to Thatcher.

Apishapa Ford, 0.8 mile south of, 20 feet from south end and 40 feet from west edge of long rocky stream bed running northeast, on rock; chiseled cross and circle.....	4, 871. 09
Apishapa Ford, 4.5 miles southeast of, T. 27 S., R. 60 W., SE. $\frac{1}{4}$ sec. 3, 0.2 mile southwest of foot of range of Sawtooth Hills, 0.5 mile west of corner of ridge; iron post stamped "5117".....	5, 122. 282
T. 27 S., R. 60 W., south side of sec. 36, 1,000 feet south of head of Christian Canyon, 45 feet east of wagon road, at north end of a group of dome-shaped light sandstone rocks, in north end of rock 6 by 10 feet and 2.5 feet high; copper bolt marked "U. S. G. S. 5164 Ft. B. M.".....	5, 169. 315
T. 28 S., R. 60 W., NE. $\frac{1}{4}$ sec. 13, 2.8 miles south of head of Christian Canyon, 30 feet east of road; iron post stamped "5270".....	5, 275. 402
Thatcher, 1.5 miles north of station, T. 28 S., R. 60 W., south side of sec. 27, 700 feet west of road, 300 feet south of rocky arroyo, 130 feet east of a cedar tree, in top of south end of light sandstone rock 1.5 feet high; copper bolt marked "5360 Ft. B. M.".....	5, 365. 456
Thatcher, 0.2 mile southwest of railroad station, T. 29 S., R. 60 W., SE. $\frac{1}{4}$ sec. 4, on southeast edge of group of rocks at east end of loose rock dam across Timpas Creek; copper bolt in northwest end of rock 20 by 12 by 3 feet, marked "U. S. G. S. 5398 Ft. B. M.".....	5, 403. 423

## From Thatcher to Rattlesnake Buttes.

Thatcher, 2 miles west of, 130 feet south of road, near ground in crotch of half-dead cedar tree; large wire nail.....	5, 557. 53
Thatcher, 3.2 miles west of, on top of mesa, 300 feet north of road, in south side of cedar stump; nail.....	5, 688. 47
Thatcher, 4.5 miles northwest of, T. 28 S., R. 61 W., east side of sec. 35, 500 feet north of lake, 40 feet north of road; iron post stamped "5736".....	5, 741. 526

Apishapa Ford, 1.8 miles southeast of, at head of canyon, 100 feet north of road, 300 feet northwest of prospecting hole, in root of solitary cedar tree; wire nail.....	Feet. 5, 532. 65
Apishapa Ford, 1.2 miles southeast of, 30 feet northeast of road near east edge of cedar ridge, in cedar snag; wire nail.....	5, 457. 07
Apishapa Ford, NE. $\frac{1}{4}$ sec. 20, T. 28 S., R. 61 W., 300 feet northwest of, 350 feet north of old corral, 1,000 feet north of Smith's abandoned adobe house, at head of main canyon of the Apishapa River; copper bolt in rock 30 by 30 by 4 feet, 12 feet north of edge, marked "U. S. G. S. 5331 Ft. B. M.".....	5, 336. 395
Apishapa Ford, 2 miles northwest of, 30 feet north of road, 200 feet east of rock outcrop crossing road, on stone 3 by 3 by 1 foot; chiseled cross.....	5, 469. 57
Apishapa Ford, NW. $\frac{1}{4}$ sec. 14, T. 28 S., R. 62 W., 3.5 miles northwest of, 300 feet north of road, 800 feet south of timbered ridge, 1,000 feet northwest of small outcropping dike, 30 feet from west end of rock 120 by 20 feet, 3 feet high in center; copper bolt marked "U. S. G. S. 5548 Ft. B. M."....	5, 553. 509
T. 28 S., R. 62 W., west side of sec. 7, 1.5 miles north of cedar bluffs, near southwest corner of ledge on north side of prominent draw, pile of small stones on top of rock, in south side of a flat sandstone rock 1 foot above ground; copper bolt marked "U. S. G. S. 5756 Ft. B. M.".....	5, 761. 364
T. 27 S., R. 63 W., NE. $\frac{1}{4}$ sec. 33, 8 miles south of Rattlesnake Buttes, 0.8 mile east of crossroads, 0.5 mile northwest of abandoned cabin and corral, near Dripping Spring, 100 feet north of arroyo emptying in Dripping Spring, 50 feet north of a similar rock 12 by 25 feet and 6 feet high, in light rock at east end of a black rock 8 by 14 by 6 feet, 8 inches above ground; copper bolt marked "U. S. G. S. 5941 Ft. B. M.".....	5, 946. 435
T. 27 S., R. 63 W., SW. $\frac{1}{4}$ sec. 16, 4.2 miles south of South Rattlesnake Butte, 300 feet northwest of road, 300 feet southeast of arroyo, 1,000 feet west of head of canyon, in southeast corner of dark rock, 25 by 10 by 10 feet, near north side of group, 150 by 300 feet, 15 inches from ground; copper bolt marked "U. S. G. S. 5924 Ft. B. M.".....	5, 929. 623
Rattlesnake Buttes crossroads, 4 miles south of, 30 feet east of road, 2 feet north of forked cedar tree, on stone; chiseled cross.....	6, 011. 11

**From point near Dripping Spring (8 miles south of Rattlesnake Buttes) south and east to head of Apishapa Canyon.**

T. 28 S., R. 63 W., center of sec. 9, 10 miles south of Rattlesnake Buttes, 2.5 miles south of crossroads, 900 feet east of north-south wagon road, 20 feet northeast of a pile of loose rock 5 feet high, in black rock, 5 by 5 by 1 foot; copper bolt marked "U. S. G. S. 5930 Ft. B. M.".....	5, 935. 345
T. 28 S., R. 63 W., SE. $\frac{1}{4}$ sec. 21, 1.2 miles southwest of windmill, 1,000 feet west of road, 2,000 feet southeast of arroyo, 100 feet northeast of foot of cedar bluffs, 300 feet east of large slabbed rock, 20 by 8 by 4 feet, halfway up the side of bluff, northwest side of group, in top of rock, 3 by 7 by 1 foot; copper bolt marked "U. S. G. S. 5957 Ft. B. M.".....	5, 962. 334
T. 29 S., R. 63 W., SW. $\frac{1}{4}$ sec. 4, 16 miles south of Rattlesnake Buttes, 2.2 miles west of Black Summit Butte, in gap on divide 800 feet wide, 300 feet northeast of small dome-shaped butte, 50 feet east of road, 60 feet west of edge of timber; iron post stamped "6224".....	6, 229. 219
T. 29 S., R. 62 W., NE. $\frac{1}{4}$ sec. 1, 3.2 miles southwest of abandoned adobe house, at head of Apishapa Canyon, 0.8 mile northwest of Apishapa River, top of hill 20 feet high, on east face; iron post stamped "5505".....	5, 510. 421

## From head of Apishapa Canyon northwest to Rattlesnake Buttes.

Apishapa Canyon, 5 miles northwest of head of, 70 feet east of road, 0.5 mile north of arroyo, in base of solitary cedar tree; wire nail.....	Feet. 5, 462. 86
T. 27 S., R. 62 W., north side of sec. 34, east of road, 100 feet east of arroyo, 150 feet northwest of northwest corner of rocky ledge on northeast side of arroyo, on triangular knoll 100 feet on sides, 15 feet high on west side, 20 feet north of south corner; copper bolt marked "U. S. G. S. 5435 Ft. B. M.".....	5, 440. 230
T. 27 S., R. 62 W., east side of sec. 24, on southeast side of prairie ridge, 1.5 miles northwest of cedar ridge, 1 mile southeast of canyon, 20 feet south of north side of group of rocks, in center of row of six cedar trees, in top of sandstone rock 12 by 10 by 2 feet; copper bolt marked "U. S. G. S. 5471 Ft. B. M.".....	5, 476. 410
T. 27 S., R. 62 W., SW. $\frac{1}{4}$ sec. 6, 2.5 miles south of Sanche Lake, 1,400 feet west of road, 400 feet north of arroyo, 100 feet northeast of solitary cedar tree, in west end of sandstone ledge 45 by 6 feet and 5 feet high and vertical on south face; copper bolt marked "U. S. G. S. 5855 Ft. B. M.".....	5, 860. 69

## From Apishapa Ford east, south, and west to Thatcher.

T. 26 S., R. 59 W., NE. $\frac{1}{4}$ sec. 19, 4.5 miles east of ford at mouth of Apishapa Canyon, 0.5 mile south and slightly east of lake, 30 feet south of road, 0.5 mile west of range of yellow hills; iron post stamped "4877".....	4, 882. 558
T. 27 S., R. 59 W., center of sec. 7, 5.2 miles south of lake, 300 feet southwest of bluffs, 1 mile southeast of southwest corner of bluffs, on top of slight ridge, 30 feet from solitary cedar tree; iron post marked "5166".....	5, 171. 334
T. 28 S., R. 59 W., NW. $\frac{1}{4}$ sec. 20, 5.5 miles northeast of Thatcher, 600 feet southwest of southwest end of pile bridge 62, 65 feet southeast of Atchison, Topeka & Santa Fe Ry. tracks; iron post stamped "5141".....	5, 146. 323
Thatcher, 4.5 miles east of, east side of sec. 5, T. 29 S., R. 59 W., 1,800 feet northwest of cabin, 450 feet south of wagon road, 1,000 feet west of arroyo, 600 feet south of branch arroyo; iron post stamped "5345".....	5, 350. 298
Thatcher, 2.2 miles east of, 500 feet northwest of Sugar Loaf Butte, 100 feet north of road, on southeast side of timber, in pinyon tree; large wire nail.	5, 480. 99
Thatcher, 4.8 miles southwest of, southwest corner of sec. 24, T. 29 S., R. 61 W., 1.4 miles northwest of Atchison, Topeka & Santa Fe Ry. tracks, 40 feet north of wagon road; iron post stamped "5612".....	5, 617. 341

## Apishapa, Elmoro, and Spanish Peaks quadrangles.

## LAS ANIMAS COUNTY.

The elevations in the following list were determined by primary leveling, a double-run line extended from Thatcher, to control the Raton quadrangle, N. Mex. Orthometric and rod corrections have been applied.

The leveling was done in 1911 by C. P. Gross.

## APISHAPA QUADRANGLE.

[Latitude 37° 30'-38°; longitude 104°-104° 30'.]

From Thatcher southwest along Atchison, Topeka & Santa Fe Ry. to Simpson Siding (double-run line).

Thatcher, 0.3 mile south of station, 15 feet from east end of bridge, on west side of bridge; top of bolt, marked "5428".....	Feet. 5, 432. 60
Thatcher, 3.5 miles south by west of station, 1 foot outside and 60 feet from end of right of way fence on east side of track, at place where branch of old Santa Fe trail crosses railroad; iron post stamped "5545".....	5, 549. 785

## ELMORO QUADRANGLE.

[Latitude 37°-37° 30'; longitude 104°-104° 30'.]

From Simpson Siding southwest along Atchison, Topeka & Santa Fe Ry. to Trinidad  
(double-run line).

Thatcher, 5.2 miles south of, 1 foot outside of right of way fence, on east side of track, at place where track makes sharp curve to south and west; iron post stamped "5606" .....	Feet. 5, 610. 177
Tyrone, 0.5 mile north of, near stone monument marking old Santa Fe trail, on east side of track, 1 foot east of right of way; iron post stamped "5544" .....	5, 549. 114
Tyrone, 3.5 miles south of, on east side and middle of bridge, in top of concrete pier; bronze tablet stamped "5512" .....	5, 516. 945
Poso, 1 mile south of, at road crossing, on east side of track, south side of road, at corner of right of way fence; iron post stamped "5629" .....	5, 633. 946
Earl, 320 feet east of station, east side of railway; iron post stamped "5681" .....	5, 685. 555
Earl, 0.6 mile south of station, on east side of railway; in top of rail rest, in timber farthest north; nail marked "5696" .....	5, 700. 84
Earl, 1.6 miles south of, in northwest corner of switch base near milepost; spike marked "5723" .....	5, 727. 56
Earl, 3.2 miles south of, east side of track, in south pier of railroad bridge; bronze tablet stamped "5681" .....	5, 685. 842
Hoehnes, 1.8 miles north of, in top of north pier of bridge, on east side of track (bridge 89, steel plate-girder bridge); bronze tablet stamped "5677" .....	5, 677. 736
Hoehnes, 0.4 mile south of, at road crossing, south side of road, east of track, at corner of right of way fence; iron post stamped "5713" .....	5, 718. 425
Hoehnes, 2.9 miles south of, on east side of track, north of road, 65 feet north of corner of right of way fence; iron post stamped "5766" .....	5, 771. 077
Elmoro, 180 feet east of station, north side of bridge, in west pier; bronze tablet stamped "5866" .....	5, 870. 754
Trinidad, 0.6 mile north of station, at crossing of Atchison, Topeka & Santa Fe and Colorado & Southern railroads; northeast rail marked "5972" .....	5, 976. 79
Trinidad, in Commercial Street bridge, on upstream side over middle pier, in top of concrete block forming part of railing; bronze tablet stamped "5994" .....	5, 999. 318

From point 1.7 miles north of Wooten southeast along Atchison, Topeka & Santa Fe Ry. to State line (double-run line).

Wooten, 1.5 miles north of station, in corner of stone bridge on south side, 15 feet west of track; aluminum tablet stamped "7266" .....	7, 271. 440
Wooten, 200 feet west of track, at place where road goes through gate on to scenic highway, in top of post in middle of gate; nail marked "7460" .....	7, 466. 19

## SPANISH PEAKS QUADRANGLE.

[Latitude 37°-37° 30'; longitude 104° 30'-105°.]

From Trinidad south along Atchison, Topeka & Santa Fe Ry. to point 1.7 miles north of Wooten (double-run line).

Jansen, 0.6 mile south of, in south pier on east side of bridge; bronze tablet stamped "6081" .....	6, 085. 752
Starkville, 1,000 feet south of, on east side of track, in culvert; bronze tablet stamped "6357" .....	6, 362. 168
Starkville, 0.7 mile south of station, on east side of track; rivet in southwest corner of top of steel girder, marked "6430" .....	6, 435. 18

Starkville, 2.7 miles south of, in south pier of bridge; bronze tablet stamped "6613" .....	Feet. 6, 618. 739
Starkville, 3 miles south of, 5 feet west of track; top of white rail, marked "6712" .....	6, 717. 66
Gallinas, 900 feet south of, on east side of track; top of $\frac{1}{2}$ -inch bolt projecting from block supporting signal light, marked "6766" .....	6, 771. 57 .
Mooreley, 165 feet northeast of station, on east side of track, in line of right of way fence; iron post stamped "6936" .....	6, 941. 808

**Breckenridge special quadrangle.****SUMMIT COUNTY.**

The elevations in the following list depend on the height of a precise-level bench mark at Braddock.

The leveling was done by C. H. Semper in 1908.

**BRECKENRIDGE SPECIAL QUADRANGLE.**

[Latitude 39° 27'-39° 33'; longitude 105° 58'-106° 04'.]

**From Braddock through Swan City to Breckenridge.**

Braddock, 90 feet south of signboard, 15 feet west of railroad track, in top of granite boulder; aluminum tablet stamped "9242" .....	Feet. 9, 241. 735
Braddock, 3.44 miles east of, 4 feet south of road at small stream crossing road, in top of granite boulder; aluminum tablet stamped "9489" .....	9, 489. 186
Swan City, 55 feet north of road, 100 feet east of cabin at east end of broken-down barn, in root of pine tree; spike marked "U. S. B. M. 9576" ....	9, 576. 47
Swan City, 1.09 miles east of, on south side of road where creek and highway come together; rock marked "U. S. B. M. 9688" .....	9, 687. 58
Swan City, 2.05 miles east of, at Sneider's mining camp, 55 feet north of highway, 65 feet east of east margin of north cabin, in top of granite boulder; aluminum tablet stamped "9823" .....	9, 822. 973
Swan City, 2.75 miles east of, 190 feet west of forks of road, north of road; point in square on rock, marked "U. S. B. M. 9980" .....	9, 979. 77
Swan City, 3.75 miles east of, Farncombe Hill, 690 feet north of Boss mine mill, 60 feet west of log cabin; nail in root of pine tree, board nailed to tree marked "U. S. B. M. 10607" .....	10, 607. 11
Breckenridge, 4.78 miles east of, on top of Farncombe Hill, 20 feet east of road, 35 feet east of southeast end of Johnson's log cabin, in top of buried boulder; aluminum tablet stamped "11069" .....	11, 069. 047
Breckenridge, 3.79 miles east of, upper end of Lincoln mining camp, 75 feet west of frame house with stone foundation, 15 feet south of highway at end of small log cabin, point on rock; telegraph pole marked "U. S. B. M. 10258" .....	10, 258. 1
Breckenridge, 2.41 miles east of, on road to Lincoln, 560 feet east of road running northeast, 15 feet south of road, in large granite boulder; aluminum tablet stamped "9940" .....	9, 940. 369
Breckenridge, 1.2 miles east of, south of highway, 110 feet north of white frame house; point on rock marked "U. S. B. M. 9709" .....	9, 708. 82

**Glenwood Springs, Leadville, Mount Jackson, and Snowmass Mountain 30' quadrangles.**

**EAGLE, GARFIELD, LAKE, AND PITKIN COUNTIES.**

The elevations in the following list were determined by primary leveling extended from bench marks at Glenwood Springs and Leadville, on the precise-level line from Denver.



The leveling was done in 1909 by F. J. McMaugh.

Additional leveling in Leadville quadrangle was done in 1911 by S. E. Taylor.

#### GLENWOOD SPRINGS QUADRANGLE.

[Latitude 39° 30'-40°; longitude 107°-107° 30'.]

From Glenwood Springs southeast along Denver & Rio Grande R. R. to Cardiff.

Glenwood Springs, main entrance to Colorado Hotel, in face of stone column; aluminum tablet stamped "5764".....	Feet. 5,763.526
Glenwood Springs, at highway bridge; surface of water May 22, 1909, at 8.50 a. m. ....	5,727.6
Glenwood Springs, 2.9 miles southeast of, 360 feet south of grain shed near road forks and about midway between railroad and upper road, in red sandstone boulder; aluminum tablet stamped "5867 1909".....	5,866.481

#### SNOWMASS MOUNTAIN QUADRANGLE.

[Latitude 39°-39° 30'; longitude 107°-107° 30'.]

From Cardiff southeast along Denver & Rio Grande R. R. through Carbondale and Emma to point 1.8 miles east of junction of Denver & Rio Grande R. R. and Colorado Midland Ry.

Glenwood Springs, 6.1 miles southeast of, 1,650 feet southeast of milepost D 366, 10 feet west of track, on large red sandstone boulder painted "5964 B. M."; chisel mark.....	5,963.58
Glenwood Springs, 6.7 miles southeast of, 525 feet west of railroad crossing, 15 feet north of track, 6 feet west of small cedar tree, in ledge; aluminum tablet stamped "5987 1909".....	5,986.050
Carbondale, 2.4 miles northwest of, 50 feet west of public road, 50 feet east of track, in large boulder; aluminum tablet stamped "6086 1909".....	6,085.115
Carbondale, in front of railroad station, opposite telegraph window; top of north rail.....	6,171.4
Carbondale, at northwest corner in north face of I. O. O. F. building; aluminum tablet stamped "6181 1909".....	6,180.677
Carbondale, 3 miles east of, 90 feet north of railroad, east end of south abutment of highway bridge over Roaring Fork; aluminum tablet stamped "6278 1909".....	6,277.145
Leon, 800 feet east of station, 65 feet southwest of switch stand, in small flat boulder; aluminum tablet stamped "6430 1909".....	6,429.718
Emma, in south face at southeast corner of Emma Mercantile Co.'s building; aluminum tablet stamped "6606 1909".....	6,605.564
Junction of Denver & Rio Grande R. R. and Colorado Midland Ry., 0.6 mile east of, 340 feet west of milepost D 386, 50 feet north of track, in large boulder; aluminum tablet stamped "6854 1909".....	6,853.165
Junction of Denver & Rio Grande R. R. and Colorado Midland Ry., 1.8 miles east of, 490 feet east of milepost D 387, 50 feet east of road crossing, 10 feet north of track, on red sandstone boulder marked "6895"; chisel mark.....	6,894.94

From junction of Denver & Rio Grande R. R. and Colorado Midland Ry. along Colorado Midland Ry. northwest to Basalt, thence 3.6 miles east.

Basalt, at northwest corner on west side of public school building, in stone foundation; aluminum tablet stamped "6625 1909".....	6,624.370
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## MOUNT JACKSON QUADRANGLE.

[Latitude 39°-39° 30'; longitude 106° 30'-107°.]

From point 2.7 miles east of junction of Denver & Rio Grande R. R. and Colorado Midland Ry. southeast along former railroad to Aspen, thence northwest along latter railroad to Snowmass.

Junction of Denver & Rio Grande R. R. and Colorado Midland Ry., 4.6 miles east of, 540 feet west of milepost D 390, 25 feet north of track, in small granite boulder; aluminum tablet stamped "7068 1909" .....	Feet. 7, 067. 164
Woody Creek, at station, 120 feet northwest of road crossing, 90 feet north of water tank, in boulder; aluminum tablet stamped "7275 1909" .....	7, 275. 009
Woody Creek, 1.8 miles east of, 7 feet east of track, on granite boulder; chiseled square marked "7461" .....	7, 460. 84
Woody Creek, 2.4 miles southeast of, 30 feet southwest of track and about 1,000 feet west of Gray's ranch house, in large boulder; aluminum tablet stamped "7516 1909" .....	7, 515. 069
Aspen, 2.5 miles northwest of, 50 feet west of milepost D 399, 15 feet south of track, in ledge; aluminum tablet stamped "7676 1909" .....	7, 676. 020
Aspen, 1.2 miles northwest of, 40 feet south of signpost "Station 1 mile," 20 feet west of track, on granite boulder marked "7792"; chisel mark ..	7, 791. 71
Aspen, opposite Denver & Rio Grande R. R. station, east rail of main track; marked "7871" .....	7, 870. 9
Aspen, Pitkin County courthouse, at southwest corner in south face; aluminum tablet stamped "7909 1909" .....	7, 908. 445
Aspen, opposite doorway under station sign; top of north rail of north track .....	7, 936. 3
Aspen, 4.4 miles northwest of, Stapleton's ranch, 160 feet south of south end of siding, 10 feet east of track, on small boulder, marked "7728"; chisel mark .....	7, 727. 73
Aspen, 5.5 miles northwest of, west side and 8 feet south of north end of trestle over dry gulch; top of bolt in guardrail, marked "7627" .....	7, 626. 91
Rathbone, in front of station; top of east rail .....	7, 488. 8
Watson's, at road crossing; top of north rail, marked "7148" .....	7, 148. 2
Watson's, 1.2 miles northwest of, 850 feet northwest of milepost 7, 20 feet north of track, on red sandstone boulder marked "7048 B. M."; chisel mark .....	7, 047. 91
Watson's, 3.7 miles northwest of, 10 feet south of track, on boulder marked "6913 B. M."; chisel mark .....	6, 912. 31
Snowmass, opposite center of platform; top of south rail, marked "6881" ..	6, 881. 2

From point 3.6 miles east of Basalt southeast along Colorado Midland Ry. to Busk tunnel.

Basalt, 3.6 miles east of, 240 feet east of milepost 182, 10 feet north of track in ledge; aluminum tablet stamped "6901 1909" .....	6, 900. 595
Castles, opposite platform; top of north rail, marked "6959" .....	6, 958. 3
Castles, 1.8 miles east of, 60 feet west of milepost 179, 40 feet north of track, in ledge; aluminum tablet stamped "7027 1909" .....	7, 026. 538
Peachblow, opposite station sign; top of south rail .....	7, 099. 4
Sloss, in west face at southwest corner of E. P. Sloss's house; aluminum tablet stamped "7180 1909" .....	7, 180. 280
Hopkins Spur, 0.2 mile east of, 200 feet west of milepost 174, 20 feet south of track, in large boulder; aluminum tablet stamped "7350 1909" .....	7, 349. 334
Ruedi, 540 feet west of station, 85 feet north of main track, in south face of chimney of hotel; aluminum tablet stamped "7563 1909" .....	7, 563. 300

	Feet.
Ruedi, in front of station; top of north rail of main track, marked "7570"...	7, 569. 8
Meredith, in front of station; top of north rail, marked "7777".....	7, 777
Meredith, 60 feet northwest of milepost 167, 45 feet north of track, about 100 feet south of old hotel building, in bowlder; aluminum tablet stamped "7773 1909".....	7, 772. 896
Thomasville, 140 feet northeast of station, in bowlder; aluminum tablet stamped "7970 1909".....	7, 969. 976
Muckawango, in front of station; top of north rail, marked "8242".....	8, 242. 0
Norrie, 70 feet northeast of road crossing, 90 feet northwest of station platform, 40 feet southwest of post office, in bowlder; aluminum tablet stamped "8444 1909".....	8, 444. 076
Norrie, in front of station platform; top of south rail, marked "8440"....	8, 439. 7
Nast, 35 feet northwest of station, 20 feet north of track, in bowlder; aluminum tablet stamped "9060 1909".....	9, 059. 783
Sellar, 970 feet north of station, 90 feet north of main track, 40 feet east of section house, in bowlder; aluminum tablet stamped "9609 1909"....	9, 609. 412
Sellar, opposite station; south rail of main track, marked "9604".....	9, 603. 7
Mallow, 90 feet southeast of, 20 feet south of side track, in large bowlder; aluminum tablet stamped "10170 1909".....	10, 170. 300
Brockway, 0.4 mile east of, 470 feet east of milepost 147, 15 feet north of track, in bowlder; aluminum tablet stamped "10570 1909".....	10, 569. 876
Ivanhoe, in front of station; top of south rail, marked "10936".....	10, 936. 7
Ivanhoe, 220 feet southeast of station, 170 feet south of track, in large bowlder; aluminum tablet stamped "10930 1909".....	10, 930. 019

## LEADVILLE QUADRANGLE.

[Latitude 39°-39° 30'; longitude 106°-106° 30'.]

## From Busk east along Colorado Midland Ry. to Leadville.

Busk, in front of station; top of south rail.....	10, 790
Busk, 170 feet southeast of railroad station, 150 feet south of track; point on large bowlder, marked "10791 B. M." (probably railroad bench mark).....	10, 790. 50
Busk, 1.6 miles east of, 275 feet west of milepost 140, 10 feet south of track, in ledge; aluminum tablet stamped "10541 1909".....	10, 541. 549
Arkansas Junction, 3.5 miles west of, 190 feet west of milepost 137, 7 feet south of track, in ledge; aluminum tablet stamped "10080 1909".....	10, 080. 451
Arkansas Junction, 60 feet north of track, 720 feet north of station, 8 feet west of west fence of stock pen, in bowlder; aluminum tablet stamped "9697 1909".....	9, 697. 169

## From Leadville southeast along Denver &amp; Rio Grande R. R. to Moyer mine, thence north via highway to reservoir, thence west to Leadville.

Leadville, at southwest corner in front face of post office; aluminum tablet stamped "10153".....	10, 153. 696
Leadville, at southeast corner in front face of courthouse; aluminum tablet stamped "10140".....	10, 140. 990
Leadville, Harrison Avenue crossing with Denver & Rio Grande R. R.; top of rail, marked "10095.5".....	10, 095. 7
Leadville, 1 mile east of, 5 feet south of center of track of Denver & Rio Grande R. R., in south sill of Colorado Midland Ry. snowshed; top of bolt, marked "10172.6".....	10, 172. 85
Leadville, 1.5 miles east of, opposite Yak Mill, at east one of two switch locks, 10 feet north of center of road; top of bolt, marked "10298.7"....	10, 299. 00

Leadville, 1.6 miles east of, at east entrance of north side of brick office building of Yak mine, in top of stone sill of doorway; bronze tablet stamped "10326 1911".....	Feet. 10, 326. 113
South Moyer mine, 0.2 mile southwest of, 50 feet east of switch lock at point of switch, 10 feet north of center of track, on ledge of rocks; chiseled square marked "10497".....	10, 497. 25
South Moyer mine, 20 feet north of three corners, at Y road, 12 feet east of electric-cable pole, in top of 12-inch pine stump; copper nail marked "10572".....	10, 572. 43
North Moyer mine, 35 feet northwest of track, in top of end post of north-west side of cribbing around tin water pipe; copper nail marked "10847".....	10, 847. 46
Iron Hill triangulation station, about 2 miles by air line southeast of Leadville, on summit of Iron Hill; aluminum tablet stamped "11027 1911".....	11, 027. 033
Tuscon mine, 110 feet south of south end of engine house, 25 feet east of south end of transformer house, on top of square stone post (said to be one of Platt's monuments); chiseled mark marked "10997.4".....	10, 997. 75
U. S. Locating Monument triangulation station 11, on north end of summit of Iron Hill, 0.4 mile southwest of Adelaide; bronze tablet stamped "10992 1911".....	10, 992. 567
Adelaide schoolhouse, in northwest end of brick foundation to entrance of; bronze tablet stamped "10857 1911".....	10, 857. 673
Adelaide schoolhouse, 0.2 mile north of, top of bluff just north of county road, 12 feet east of trail leading to Yankee Hill, on top of granite boulder; chiseled square marked "10900".....	10, 900. 46
Yankee Hill triangulation station, 0.5 mile north of Adelaide, on summit of Yankee Hill; aluminum tablet stamped "10940 1911".....	10, 940. 342
Yankee Hill, 0.3 mile west of, 30 feet southeast of prospect hole, 130 feet northeast of old shaft, on northeast corner of large granite boulder; chiseled square marked "10719".....	10, 719. 13
Yankee Hill, 0.4 mile west of, 8 feet east of railroad track, near head of Little Stray Horse Gulch, on sandstone boulder; chiseled square marked "10583".....	10, 583. 02
Leadville, about 2.2 miles northeast of station, 0.25 mile east of reservoir, in Evans Gulch, 25 feet east of public road crossing with railroad track, on south side of road; chiseled square on sandstone boulder marked "10582.5".....	10, 582. 89
Leadville, 1.6 miles northeast of, about 900 feet west of reservoir in Evans Gulch, on south side of gulch, at point of switch; top of rail marked "10460".....	10, 460. 3
Leadville, about 0.6 mile northeast of, 5 feet north of center of Denver & Rio Grande crossing; copper nail in sill, marked "10235".....	10, 235. 34
Leadville, 0.3 mile north of station, top of southeast concrete abutment of south one of two water tanks along Denver & Rio Grande R. R.; bronze tablet stamped "10188 1911".....	10, 188. 174
Leadville, in front of Denver & Rio Grande station; top of rail.....	10, 186. 3
From reservoir east along highway and Denver & Rio Grande R. R. to Ibox mine, thence south and west along highway to Moyer mine.	
Leadville, 2 miles northeast of, 0.25 mile east of reservoir in Evans Gulch, 25 feet east of public road crossing with railroad, south side of road; chiseled square on sandstone boulder, marked "10582.6".....	10, 582. 89

Evansville, 0.5 mile west of, 20 feet southeast of three corners (Y road), 12 feet south to center of bridge; chiseled square on large granite boulder marked "10,706"	Feet. 10,706.57
Evansville schoolhouse, 50 feet southeast of, 8 feet north of center of public road, in top of large granite boulder; bronze tablet stamped "10838 1911"	10,837.848
Evansville, 0.7 mile east of, top of southeast corner of concrete foundation of Denver & Rio Grande R. R. water tank; chiseled square marked "11006.6"	11,006.95
Evansville, 1.2 miles east of, 10 feet north of three corners, at second-class Y road north, 600 feet west of Dolly B mine, in sandstone rock; bronze tablet stamped "11144 1911"	11,144.757
Dolly B mine, 10 feet south of center of road, 30 feet south of water tank, on sandstone boulder; chiseled square marked "11200.8"	11,201.16
Dolly B mine, 0.5 mile east of, 600 feet southwest of mine, at east end of Denver & Rio Grande snowshed, in north sill; copper nail marked "11438.3"	11,438.77
Small drain crossing at mine dump; top of rail marked "11415"	11,415.3
Ibex schoolhouse, 600 feet northwest of, at east end of railroad trestle over wagon road, on south sill; top of second bolt from east end marked "11467"	11,467.38
Ibex schoolhouse, 150 feet north of, 30 feet west of center of street, in top of granite boulder; bronze tablet stamped "11476 1911"	11,476.828
Ibex schoolhouse, 0.35 mile south of, about 600 feet north of end of railroad track, on southeast corner of sill of switch lock; copper nail marked "11563.6"	11,564.00
Oro Gulch, at head of, in root of 12-inch pine stump; copper nail marked "11224.7"	11,225.10
Oro Gulch, 10 feet north of second-class road at mine dump, in forks of gulch, 10 feet south of 15-inch dead pine, on sandstone rock; chiseled square marked "11072.5"	11,072.86
Oro schoolhouse, 0.4 mile northeast of, 8 feet east of trail, on west side of Oro Gulch, in top of pine stump; copper nail marked "10950.5"	10,950.86
Oro schoolhouse, 40 feet southeast of center of east side of, in sandstone rock; bronze tablet stamped "10641 1911"	10,641.558
South Moyer mine, 20 feet north of three corners (Y road), 12 feet east of electric-cable pole, in top of 12-inch pine stump; copper nail marked "10572.1"	10,572.432
Craig, Elkhead, Hahns Peak, Meeker, North Park, Pagoda, Rabbit Ears, and Rifle quadrangles.	

#### GARFIELD, MOFFAT, RIO BLANCO, AND ROUTT COUNTIES.

The elevations in the following list were determined by primary leveling extended from a precise-level bench mark at Rifle. Orthometric corrections have been applied and adjustment made to accord with corrected primary-level elevations in Wyoming.

The leveling was done in 1910 by C. H. Semper, except that in the northern portion of the Elkhead quadrangle, which was done by Donnell Miller in 1901 and by P. W. McMillan in 1910, and that in the North Park quadrangle, which was done by Donnell Miller in 1901 and by C. W. Rowell in 1911. Additional leveling in Hahns

Peak and Meeker quadrangles was done by Rowell in 1911, and in Meeker quadrangle by R. M. Copeland in 1911 and by G. W. Lucas in 1912; in Elkhead and Craig quadrangles by Rowell in 1913 and by C. T. Moore in 1914.

## RIFLE QUADRANGLE.

[Latitude 39° 30'–40°; longitude 107° 30'–108°.]

From Rifle north along highway to point 5.6 miles south of Meeker.

	Feet.
Rifle, Denver & Rio Grande R. R. station, 35 feet north of west end, in top of concrete manhole at margin of highway; aluminum tablet stamped "5302" .....	5, 301. 176
Rifle, 2.2 miles north of, on west side of road, 300 feet south of ranch house; spike in telegraph pole marked "5469" .....	5, 468. 409
Rifle, 3.2 miles north of, at J. C. Cook's ranch house, 60 feet south of corner of yard fence, 15 feet east of road, in top of rock; aluminum tablet stamped "5544" .....	5, 542. 830
Rifle, 4.3 miles north of, on east side of road; spike in base of telephone pole marked "5606" .....	5, 605. 256
Rifle, 5.3 miles north of, on east side of road; spike in second telephone pole south of wire fence marked "5709" .....	5, 708. 636
Rifle, 6.3 miles north of, 0.3 mile north of Howard Coulter's house, on west side of road, in front face on pile of rock; aluminum tablet stamped "5812" .....	5, 811. 641
Rifle, 7.4 miles north of, on west side of road; spike in fourth telephone pole south of milepost 8, marked "5944" .....	5, 942. 888
Rifle, 8.3 miles north of, on east side of road; spike in first telephone pole south of milepost 9, marked "6035" .....	6, 033. 958
Rifle, 9.5 miles north of, 600 feet north of milepost 10, where point of hill comes close to road, 5 feet west of road, 50 feet west of telephone pole, in top of boulder, 6 inches above ground; aluminum tablet stamped "6182" .....	6, 181. 241
Rifle, 10.6 miles north of, on west side of road, 50 feet south of creek crossing; spike in telephone pole, marked "6315" .....	6, 314. 629
Rifle, 11.4 miles north of, on west side of road; spike in first telephone pole north of Reese's ranch house marked, "6423" .....	6, 422. 613
Rifle, 11.9 miles north of, 1,050 feet south of milepost 13, at top of rise and angle in road to west, 5 feet east of road, in top of large boulder; aluminum tablet stamped "6531" .....	6, 529. 916
Rifle, 13 miles north of, at milepost 14; spike in telephone pole, marked "6658" .....	6, 657. 611
Rifle, 14 miles north of, 390 feet south of milepost 15, 20 feet south of bridge, on west side of road, on top of boulder; chiseled square marked "U. S. B. M. 6863" .....	6, 861. 871
Rifle, 15.3 miles north of, 475 feet north of milepost 16, on west margin of road, in top of 5 by 5 foot boulder; aluminum tablet stamped "7050" ..	7, 049. 026
Rifle, 16.1 miles north of, north of milepost 17, 30 feet east of road on top of boulder; chiseled square marked "U. S. B. M. 7333" .....	7, 332. 300
Rifle, 17 miles north of; spike in first telephone pole north of milepost 18, marked "U. S. B. M. 7440" .....	7, 438. 730
Rifle, 17.7 miles north of; spike in second telephone pole south of milepost 19, marked "7320" .....	7, 319. 140
Rifle, 18.7 miles north of, southeast corner of yard fence of J. A. Alley's ranch house (Rioblanco post office), in top of stone post; aluminum tablet stamped "7196" .....	7, 195. 220

Rioblanco (Alley's ranch), 0.9 mile north of; spike in first telephone pole south of milepost 21, marked "7244".....	Feet. 7, 243. 279
Rioblanco, 1.6 miles north of, 750 feet north of angle in road to west, 8 feet east of road, in top of large boulder; aluminum tablet stamped "7265".....	7, 264. 428
Rioblanco, 3.3 miles north of; spike in base of telephone pole, marked "7283".....	7, 281. 851
Rioblanco, 4 miles north of, on west side of road; spike in second telephone pole north of milepost 20, marked "7193".....	7, 192. 258
Rioblanco, 5 miles north of, in front of Engstrand's ranch house, at gate leading to corral, in top of stone post; aluminum tablet stamped "7210".....	7, 209. 360
Rioblanco, 6.4 miles north of, at foot of hill, 2 posts set at culvert in road; spike in base of east post, marked "7156".....	7, 154. 607
Rioblanco, 7 miles north of; spike in second telephone pole north of milepost 17, marked "7113".....	7, 112. 456
Rioblanco, 7.8 miles north of, 270 feet northeast of milepost 16, 310 feet east of road, near summit of hill, in top of rock; aluminum tablet stamped "7216".....	7, 214. 902
Rioblanco, 9 miles north of, 1,500 feet north of milepost 15, west side of road; spike in telephone pole, marked "7213".....	7, 211. 684
Rioblanco, 10.3 miles north of, directly opposite Balance Rock; spike in telephone pole, marked "7067".....	7, 066. 295
Rioblanco, 10.5 miles north of, 50 feet south of milepost 13, 100 feet east of road, in top of boulder; aluminum tablet stamped "7036".....	7, 035. 343
Rioblanco, 11.7 miles north of, near top of small rise, at base of telephone pole, on top of rock; chiseled square marked "U. S. B. M. 6942".....	6, 941. 389
Rioblanco, 12.4 miles north of; spike in first telephone pole south of milepost 11, marked "6843".....	6, 842. 029
Rioblanco, 13.3 miles north of; spike in second telephone pole south of milepost 10, marked "U. S. B. M. 6785".....	6, 784. 352
Rioblanco, 14.3 miles north of, 180 feet north of milepost 9, 100 feet northeast of Grove's ranch house, 12 feet east of road, in top of boulder; aluminum tablet stamped "6699".....	6, 697. 923
Rioblanco, 15.5 miles north of, east side of road, in big flat; spike in telephone pole, marked "U. S. B. M. 6540".....	6, 538. 647
Rioblanco, 16.5 miles north of, near eleventh telephone pole north of milepost 7, 150 feet east of road, in west face of one of three boulders, 55 feet long by 20 feet high; aluminum tablet stamped "6488".....	6, 487. 201
Meeker, 5.6 miles south of, 200 feet north of milepost 6, 15 feet east of road, top of rock; chiseled square marked "U. S. B. M. 6395".....	6, 394. 360

**MEEKER QUADRANGLE (including Axial and Monument Butte 15' quadrangles).**

[Latitude 40°-40° 30'; longitude 107° 30'-108°.]

**From point 5.6 miles south of Meeker along highway through Axial to Craig.**

Meeker, 4.6 miles south of, opposite milepost 5; spike in telephone pole, marked "U. S. B. M. 6259".....	6, 257. 771
Meeker, 3.6 miles south of, east side of road; spike in second telephone pole north of milepost 4, marked "U. S. B. M. 6142".....	6, 140. 899
Meeker, 3.3 miles south of bridge over White River; floor of south end...	6, 128. 0
Meeker, 3.2 miles west of, at east gate to Crossed L ranch, owned by U. S. Montgomery, 4 feet north of north gate post, in top of stone post; aluminum tablet stamped "6150".....	6, 149. 520
Meeker, 1.8 miles west of, 60 feet east of milepost 2, at south margin of road on rock; chiseled square marked "U. S. B. M. 6221".....	6, 220. 107

	Feet.
Meeker, 1 mile west of, at forks of road, at base of telephone pole; chiseled square on top of rock marked "U. S. B. M. 6247" .....	6, 246. 272
Meeker, in front face of Meeker Hotel; aluminum tablet stamped "6240" ..	6, 239. 243
Meeker, 2.4 miles north of, 15 feet east of road; spike in telephone pole, marked "U. S. B. M. 6466" .....	6, 464. 588
Meeker, 3.1 miles north of, at top of small rise, west margin of road, at wire fence, in top of stone post; aluminum tablet stamped "6578" .....	6, 576. 862
Meeker, 4.1 miles north of, on east side of road; spike in telephone pole, marked "U. S. B. M. 6781" .....	6, 780. 299
Meeker, 5.6 miles north of, at lane leading into W. H. Miller's ranch house, north angle, east side, in top of rock; aluminum tablet stamped "6777" ..	6, 776. 490
Meeker, 6.8 miles north of, east side of road; spike in second telephone pole north of small reservoir, marked "U. S. B. M. 6900" .....	6, 898. 592
Meeker, 7.8 miles north of, at base of third telephone pole north of mile-post 8; painted square on rock, marked "U. S. B. M. 6985" .....	6, 983. 484
Meeker, 8.5 miles north of, at southeast corner of ranch-house yard of Harp & Moulton, in top of stone post; aluminum tablet stamped "7051" ..	7, 050. 116
Meeker, 9.8 miles north of, on south slope of Ninemile Hill, 50 feet south of culvert, west margin of road, on top of rock; chiseled square marked "U. S. B. M. 7279" .....	7, 278. 264
Meeker, 10.3 miles north of, on summit of Ninemile Hill, 15 feet east of old road and between roads, on top of stone post; chiseled square marked "U. S. B. M. 7496" .....	7, 494. 504
Meeker, 11.5 miles north of, 1.2 miles north of Ninemile Hill, at top of small rise, 10 feet east of road, in top of stone post; aluminum tablet stamped "7403" .....	7, 402. 199
Meeker, 12.4 miles north of, 8 feet west of road, on top of rock; chiseled square marked "U. S. B. M. 7219" .....	7, 218. 324
Meeker, 13.5 miles north of, at gate leading into J. Freund's ranch house, on top of rock; chiseled square marked "U. S. B. M. 7108" .....	7, 107. 244
Meeker, 14.6 miles north of, 1 mile north of J. Freund's ranch, at bridge across creek, 30 feet west of bridge, 25 feet south of wire fence, in top of stone post; aluminum tablet stamped "6910" .....	6, 908. 619
Meeker, 15.8 miles north of, on west side of road; spike in telephone pole, marked "U. S. B. M. 6805" .....	6, 803. 736
Meeker, 16.6 miles north of, 0.3 mile north of James's ranch; spike in telephone pole, marked "U. S. B. M. 6740" .....	6, 739. 014
Axial, 3.4 miles south of, 1.6 miles south of Joe Collums's, directly opposite small log cabin, in meadow, at fence line, in top of stone post; aluminum tablet stamped "6661" .....	6, 659. 860
Axial, 2.5 miles south of, 0.7 mile south of Joe Collums's, south of sharp angle in road, on west margin at fence line, on top of large rock; chiseled square marked "U. S. B. M. 6616" .....	6, 614. 976
Axial, 1.8 miles south of, directly opposite Joe Collums's ranch house, in highway, top of stone post; aluminum tablet stamped "6587" .....	6, 586. 187
Axial, at northwest corner of J. W. Huguss's old store, in top of stone post; aluminum tablet stamped "6460" .....	6, 459. 041
Axial, 1 mile north of, at forks of road, at top of hill; spike in telephone pole, marked "U. S. B. M. 6500" .....	6, 499. 172
Axial, 2 miles east of, on east slope of hill; spike in telephone pole, marked "U. S. B. M. 6499" .....	6, 497. 447
Axial, 3.8 miles east of, 160 feet east of bridge over Milk Creek, 10 feet north of road, in top of stone post; aluminum tablet stamped "6241" ..	6, 239. 462



	Feet.
Axial, 5 miles east of, on east slope of hill; spike in telephone pole, marked "U. S. B. M. 6285".....	6, 283. 633
Axial, 5.8 miles east of, 0.6 mile west of Iles's ranch house, on north side of road; spike in telephone pole, marked "U. S. B. M. 6258".....	6, 257. 028
Axial, 6.4 miles east of, at gate leading into T. H. Iles's ranch, at fence, in top of stone post; bronze tablet stamped "6272".....	6, 270. 674
Axial, 7.4 miles east of, 12 feet inside of fence; spike in telephone pole, marked "U. S. B. M. 6294".....	6, 293. 340
Axial, 8 miles east of, on west slope of hill; spike in telephone pole, marked "U. S. B. M. 6370".....	6, 368. 644
Axial, 9 miles east of, 2.7 miles east of Iles's ranch, at top and south side of small rise, in top of stone post; aluminum tablet stamped "6525"....	6, 524. 016
Axial, 10.2 miles east of, 0.5 mile west of stage station, at division wire fence, in top of stone post; chiseled square marked "U. S. B. M. 6509"....	6, 508. 342
Axial, 11 miles east of, at angle in road to north, in north corner fence post; spike marked "U. S. B. M. 6494".....	6, 493. 138
Axial, 11.5 miles east of, at top of summit, north side of road, in top of stone post; chiseled square marked "U. S. B. M. 6622".....	6, 620. 422
Axial, 12 miles east of, 2.3 miles south of Williams Fork, at top of summit, 12 feet east of road, in top of stone post; aluminum tablet stamped "6712".....	6, 711. 074
Axial, 13.2 miles east of, 1.2 miles south of Williams Fork, on west margin of road, in top of rock; chiseled square marked "U. S. B. M. 6466"....	6, 465. 127
Williams Fork (Hamilton's ranch), south side of river, 10 feet east of abutment; iron post stamped "6238" (supposed to be Reclamation Service bench mark).....	6, 235. 625
Axial, 16.8 miles east of, in canyon on west margin of road, in top of rock; chiseled square marked "U. S. B. M. 6255".....	6, 253. 764
Axial, 17.8 miles east of, 200 feet north of alfalfa field, on north margin of road, in top of large bowlder; chiseled square marked "U. S. B. M. 6223".....	6, 221. 829
Axial, 18.2 miles east of, at gate leading into George Pitchford's ranch house, 10 feet east of gate, 10 feet north of wire fence, in top of large bowlder; aluminum tablet stamped "6225".....	6, 223. 331
Axial, 19.3 miles east of, on west margin of road, 20 feet north of wire fence corner, in top of rock; chiseled square marked "U. S. B. M. 6178".....	6, 176. 991
Axial, 21.1 miles east of, at top of hill, 0.5 mile east of Williams Fork Creek, at angle in wire fence, in top of stone post; aluminum tablet stamped "6449".....	6, 447. 438
Axial, 22.5 miles east of; spike in telephone pole where line crosses road, marked "U. S. B. M. 6383".....	6, 381. 750
Axial, 23.7 miles northeast of, 100 feet north of bridge, on west side of road; spike in telephone pole, marked "6276".....	6, 274. 937
Craig, 5.1 miles south of, at gate leading into Big Bottom ranch, at fence line, in top of stone post; aluminum tablet stamped "6206".....	6, 204. 872
Craig, 4.4 miles south of, 125 feet east of road; spike in telephone pole, marked "U. S. B. M. 6311".....	6, 309. 497
Craig, 2.8 miles south of, about 1,000 feet south of summit, east side of road in top of stone post; aluminum tablet stamped "6422".....	6, 421. 198
Craig, 1.6 miles south of, at forks of road up hill, on east side, at gate; spike in telephone pole, marked "U. S. B. M. 6190".....	6, 188. 781
Craig, 1.4 miles south of, at Bear River, under bridge; surface of water Sept. 30, 1910.....	6, 176. 2

From point 3.2 miles west of Meeker north along Strawberry Creek road to Cabin Gulch, thence east over trails via Cabin Gulch, White River divide, and Devils Hole Mountain to Nine Mile Hill.

Meeker, 3.2 miles west of, at east gate to Crossed L ranch, 4 feet north of north gate post, in top of stone post; aluminum tablet stamped "6150"...	Feet. 6, 149. 520
Meeker, 3.7 miles west of, at junction of Meeker-Rangely and Strawberry roads, at Ralston's ranch; east end of wooden bridge over irrigation ditch, marked "6155".....	6, 155. 3
Meeker, 4.5 miles from, on west side of Strawberry road, near top of hill; on telephone pole marked "6258".....	6, 258. 3
Meeker, 5 miles northwest of, 275 feet east of Strawberry road, near gate just southwest of Old Middleton ranch west of road, near two small pine trees on rocks, in rock on south end of small rocky ridge running north-south; aluminum tablet stamped "6203".....	6, 202. 938
Meeker, 6 miles northwest of, east side of Strawberry road, 1 foot south of fence post, in bottom of small draw crossing road; cross on rock, marked "6180".....	6, 179. 97
Meeker, 7.6 miles northwest of, 300 feet east of Strawberry road, on south slope of spur from ridge just to east, 25 feet north of two small pine trees, in rock; aluminum tablet stamped "6317".....	6, 316. 898
Meeker, 8.4 miles from, on west face of rock, east side of Strawberry road and 5 feet north from gulch crossing east-west.....	6, 371. 3
Meeker, 10.7 miles from, 20 feet west of Strawberry road, on top of low saddle, 0.5 mile north of M. Weller's ranch house, in rock; aluminum tablet stamped "6505".....	6, 505. 513
Meeker, 11.6 miles from, 0.8 mile northeast of Old Valentine ranch, in gulch northeast of ranch, on west rocky end of spur from ridge south of Cabin Gulch; chiseled square on rock, marked "6755".....	6, 755. 18
Meeker, 13.7 miles from, in Cabin Gulch, north of Devils Hole Gulch, 2.7 miles northeast of old Valentine's ranch, under rock cliff, 200 feet north, 5 feet north of draw, buck bushes on southwest and southeast and at northeast corner of rock in which tablet is set, in 5-foot rock, 3 feet high; aluminum tablet stamped "7259".....	7, 258. 814
Meeker, 14.6 miles from, 0.6 mile up Cabin Gulch from the three forks of same, 6 inches north of trail up gulch, at trail on north side of draw; chiseled square cut on highest point of rock, marked "7797".....	7, 797. 16
Meeker, 16.5 miles from, below rocky point on north side of trail running around same, at head of second drain above main forks of Devils Hole Gulch, in rock; aluminum tablet stamped "8237".....	8, 236. 896
Divide between Wilson Creek and Cabin Gulch, on main ridge running east toward Devils Hole Mountain, 0.5 mile west of Devils Hole Mountain, on slope running east out of fourth saddle west of Devils Hole Mountain, half way between third and fourth saddles; turning point driven below surface and rock pile built over it.....	8, 189. 49
Devils Hole Mountain, 0.8 mile southwest of, 150 feet west of third saddle in main ridge west of triangulation station, about 40 feet lower than saddle; chiseled square on rock, marked "U. S. 8279".....	8, 279. 79
Devils Hole Mountain, 0.3 mile south of, 300 feet south of second saddle in main ridge southeast of triangulation station, 300 feet west of prominent outcrop of white sandstone, near small rock monument; point of small rock, marked "U. S. 8344".....	8, 344. 62
Devils Hole Mountain, 0.7 mile southeast of, 100 feet northwest of third saddle in main ridge southeast of triangulation station, 300 feet northeast of 20-foot cliff of yellow sandstone on west slope of ridge, on east end of outcrop of white sandstone; aluminum tablet stamped "8411".....	8, 411. 917

Devils Hole Mountain, 1.2 miles southeast of, 300 feet northwest of fourth saddle in main ridge southeast of triangulation station, small rock monument; point on rock near, marked "U. S. 8534" .....	Feet. 8, 534. 58
Devils Hole Mountain, 2.7 miles southeast of, 100 feet west of deep saddle in main ridge; small rock on bench covered with very broken yellow sandstone, marked "U. S. 8493" .....	8, 493. 40
Devils Hole Mountain, 3.9 miles southeast of, 3.1 miles northwest of top of 9-mile hill, 100 feet south of top of main ridge, about 500 feet north of grove of quaking aspen in small draw, near a small monument of rock, on bench covered with very broken yellow sandstone, in top of small buried rock; aluminum tablet stamped "8394" .....	8, 394. 417
Ninemile Hill, 2.3 miles northwest of, at fork of road, 700 feet west of prominent saddle north of head of most southerly fork of Good Spring Creek, east end of outcrop of yellow sandstone on top of ridge; chiseled square on rock, marked "U. S. 8208" .....	8, 208. 42
Ninemile Hill, 2 miles northwest of top, 200 feet below top of main ridge, on south side of small bench, at head of small draw, 5 feet west of well-worn trail; top point of small rock, marked "U. S. 7986" .....	7, 986. 90
Ninemile Hill, 1.8 miles northwest of, on south side of ridge, at small draw running south, first draw west of those draining into Good Spring Creek, west side of trail; point on rock, marked "U. S. 7817" .....	7, 817. 39
<b>From Ninemile Hill east and south along highways to point 8.5 miles east of Meeker, thence west along highways to Meeker.</b>	
Meeker, 10.3 miles north of, on summit of Ninemile Hill, 15 feet east of old road, between roads, in top of stone post; bronze tablet stamped "7494" .....	7, 494. 519
Ninemile Hill, 0.7 mile east of forks of road at top of, at east corner of Hopkins ranch house, in stone post; aluminum tablet stamped "7564" .....	7, 564. 036
Ninemile Hill, 1.8 miles southeast of forks of road at top of, 250 feet north of sharp bend in road in Ninemile Draw, due to steep ridge on east side of, on block of yellow sandstone 6 feet east of road; top point marked "U. S. 7386" .....	7, 386. 44
Ninemile Hill, 2.4 miles southeast of, 300 feet east of ranch house, 5 feet west of road in Ninemile Draw, 20 feet south of culvert over small wash; square on top of stone, marked "U. S. 7315" .....	7, 315. 54
Ninemile Hill, 2.9 miles southeast of, 200 feet north of small ranch house, 30 feet southwest of corner of fence, south side of road; top point of rock, marked "U. S. 7248" .....	7, 247. 93
Ninemile Hill, 3.1 miles southeast of, 400 feet south of small ranch house, 30 feet east of road down Ninemile Draw; point near top of stone, marked "U. S. 7200" .....	7, 199. 63
Ninemile Hill, 3.6 miles southeast of, 10 feet west of road down Ninemile Draw, 10 feet south of crest of reservoir dam; point on rock, marked "U. S. 7151" .....	7, 151. 03
T. 2 N., R. 92 W., 300 feet east of west corner of secs. 18 and 19, 0.5 mile northwest of Transfer, 2,200 feet south of Ninemile Draw, 300 feet north of drain with prominent fan, 10 feet west of road, near top of 4-foot sandstone rock; aluminum tablet stamped "7096" .....	7, 095. 959
Transfer, 0.7 mile southwest of, between roads at fork of Ninemile and Coal creeks, top point of rock, marked "U. S. 6951" .....	6, 951. 7
Transfer, 0.7 mile southwest of, 250 feet south of fork of Coal Creek and Ninemile Draw, 25 feet east of road; point on rock, marked "U. S. 6946" .....	6, 946. 67
Transfer, 1.6 miles southwest of, 900 feet north of drain east of Coal Creek, 300 feet northwest of large rock on east side of creek, east side of road; point on rock, marked "U. S. 6872" .....	6, 872. 51

Transfer, 1.8 miles south of, above head gate of upper ditch; mark on large rock east of road, marked "U. S. 6852".....	Feet. 6, 851. 83
Transfer, 2.3 miles southwest of, point of ridge running south, in mouth of Coal Creek Canyon, at east side of a 1,000-ton sandstone rock; aluminum tablet stamped "6797".....	6, 797. 653
Transfer, 3.4 miles southwest of, 5,400 feet south of mouth of Coal Creek Canyon, 700 feet east of creek, 300 feet west of north-south fence, on alluvial fan; top point of small rock, marked "U. S. 6733".....	6, 733. 37
Transfer, 4.1 miles south of, on ridge between Little Beaver and Coal creeks, 3,000 feet northwest of small house, on west side of small drain running north; top point on rock, marked "U. S. 6736".....	6, 735. 85
Meeker, 8.5 miles east of, 2.1 miles north of road running east from Meeker on ridge between Coal Creek and Little Beaver Creek, about 1 mile east of Lunny's ranch house, near top of ridge, 200 feet northwest of small cabin, 10 feet east of northwest fence corner; square cut on stone, marked "U. S. 6822".....	6, 822. 64
Meeker, 8.5 miles east of, 2,500 feet east of log cabin north of road, 200 feet east of brow of hill, north side of road; iron post stamped "6557".....	6, 557. 355
Meeker, 7 miles east of, 1,800 feet northeast of ranch house at foot of hill, 25 feet north of ditch, on fence post with small mound of stone around it; cross cut on knot 1 foot above ground, marked "U. S. 6445".....	6, 445. 03
Meeker, 6.1 miles east of, north side of road, 975 feet west of ranch house on south side of road; nail in fence post, marked "U. S. 6411".....	6, 411. 21
White River road fork, 1,200 feet northwest of, at turn of road; top bolt in brace of telephone pole, marked "U. S. 6400".....	6, 400. 8
Meeker, 5 miles east of, 200 feet south of Walbridge ranch house, 1 foot southeast of fence north of road; iron post stamped "6376".....	6, 376. 784
Meeker, 4.8 miles east of, bridge over Coal Creek, under south side of bridge; nail in southeast end of log, marked "6370".....	6, 370. 38
Meeker, 4 miles east of, 300 feet east of large rocks, 2 feet above road on north side; point near top of small rock, marked "U. S. 6369".....	6, 369. 44
Meeker, 3.8 miles east of, 700 feet east of White River Bridge, north side of road; point on rock, marked "6355".....	6, 355. 7
White River, under above-named bridge; surface of water, Nov. 13, 1911.....	6, 317. 3
Meeker, 3 miles east of, 300 feet west of head gate of ditch, north of road; point on top of outcrop, marked on east face of rock below bench mark "U. S. 3615".....	6, 315. 18
Meeker, 1.8 miles east of, 2,000 feet east of "V" ranch house, 250 feet east of bridge over Curtis Creek, south side of road, 2 feet west of telephone pole; iron post stamped "6302".....	6, 302. 386
Curtis Creek, 100 feet east of, in northwest corner of culvert over large ditch; spike marked "U. S. 6298".....	6, 298. 39
Meeker, 1 mile east of, 700 feet west of turn in road to north, 400 feet east of small house on north side of road; nail in telephone pole, marked "U. S. 6249".....	6, 249. 75
Meeker, in front face of Meeker Hotel; aluminum tablet stamped "6240".....	6, 239. 243

## AXIAL 15' QUADRANGLE.

[Latitude 40° 15'-40° 30'; longitude 107° 45'-108°.]

From Axial northwest to corner of Tps. 4 and 5 N., Rs. 93 and 94 W., thence north to Signal Butte, thence east to corner of secs. 17, 18, 19, and 20, T. 6 N., R. 92 W.

Axial, 1 mile north of, at road fork; spike in telephone pole, marked "6499".....	6, 499. 172
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Axial, 2.5 miles north of, 1,000 feet west of Wilson Creek, 50 feet south of road; top of quarter corner mark, marked "6344" .....	Feet. 6, 345. 14
Hullett ranch, 0.5 mile west of, east of gate at road fork; copper nail in fence post, marked "6422" .....	6, 422. 23
Axial, 2.8 miles northwest of, at top of ridge, 500 feet south of road to Morgan ranch, in sandstone post; bronze tablet stamped "6493" .....	6, 493. 491
Jubb Creek, on stake at fence post, marked "6376" .....	6, 376. 66
Axial, 5.1 miles northwest of, on top of ridge between Jubb and Collum creeks, 10 feet north of road, in sandstone post; aluminum tablet stamped "6482" .....	6, 482. 706
Axial, 6.3 miles northwest of, 200 feet south of road in Collum Creek; top of quarter corner mark, marked "6338" .....	6, 337. 90
Tps. 4 and 5 N., Rs. 93 and 94 W., in township corner stone; aluminum tablet stamped "6354" .....	6, 363. 321
Tps. 4 and 5 N., Rs. 93 and 94 W., 1 mile northeast of, at bottom of west gatepost in Morgan Gulch; copper nail marked "6296" .....	6, 305. 74
Government bridge, 8 miles southeast of, 30 feet west of Collum Cabin, on point of ridge between Morgan and Collum gulches, in sandstone boulder; bronze tablet stamped "6211" .....	6, 220. 507
Government bridge, 6.5 miles southeast of, 400 feet south of intersection of second-class road and main road (from Axial to Government bridge over Yampa River), in bottom of first telephone pole west of wire gate; copper nail marked "6125" .....	6, 134. 66
Government bridge, 4.5 miles southeast of, 5 feet south of road, 1.6 miles southeast of Duffy ranch; copper nail in telephone pole, marked "6051" ..	6, 060. 41
Duffy ranch house, near; stake marked "6000.118" .....	6, 009. 43
Tps. 5 and 6 N., Rs. 93 and 94 W., 3 miles southeast of Government bridge, beside township corner; bronze tablet stamped "6020" .....	6, 029. 615
Signal Butte, about 0.8 mile south of, 100 feet west of Yampa River, 6 feet north of post on east-west fence; copper nail in stake, marked "6003" ..	6, 011. 94
Signal Butte, about 1 mile northeast of, 50 feet north of Yampa River, on small boulder, marked "6018" .....	6, 027. 16
Signal Butte, 2.5 miles northeast of, at mouth of Horse Gulch, on south side of gulch, in top of white sandstone outcrop; bronze tablet stamped "6044" .....	6, 053. 666
Horse Gulch, 0.8 mile northeast of mouth, on 3 by 3 by 2 foot sandstone boulder; paint point marked "6062" .....	6, 071. 25
Horse Gulch, head of; paint point on small boulder, marked "6109" ....	6, 118. 09
Henderson ranch house, at southwest corner of, in sandstone post; bronze tablet stamped "6205" .....	6, 213. 942
T. 6 N., R. 93 W., corner of secs. 13, 14, 23, and 24; paint point on stone marking corner, marked "6275" .....	6, 284. 58
T. 6 N., Rs. 92 and 93 W., corner of secs. 13, 24, 18, and 19; paint point on stone marking section corner, marked "6180" .....	6, 189. 66
T. 6 N., R. 92 W., corner of secs. 17, 18, 19, and 20, next to section corner, in sandstone post; bronze tablet stamped "6277" .....	6, 286. 859
<b>From Tps. 4 and 5 N., Rs. 93 and 94 W., southwest up Morgan Gulch 2.7 miles (double spur).</b>	
Brown ranch house, on sandstone boulder, marked "6542" .....	6, 551. 40
T. 4 N., R. 94 W., near east edge of sec. 15, at point of ridge at fork of gulch, in large sandstone; aluminum tablet stamped "6631" .....	6, 640. 123

From Tps. 5 and 6 N., Rs. 93 and 94 W., northwest to Government bridge over Yampa River.

Government bridge, 1.5 miles south of, at turn in road; copper nail in telephone pole, marked "6019".....	Feet. 6, 028. 24
Government bridge, 0.8 mile south of, at road fork to Juniper Springs; copper nail in bottom of north gatepost, marked "5989" .....	5, 998. 66
Government bridge over Yampa River, in abutment at north end; bronze tablet stamped "5989".....	5, 998. 410

#### MONUMENT BUTTE 15' QUADRANGLE.

[Latitude 40° 15'-40° 30'; longitude 107° 30'-107° 45'.]

From corner of secs. 17, 18, 19, and 20, T. 6 N., R. 92 W., east to point 5.1 miles south of Craig.

T. 6 N., R. 92 W., in south part of sec. 15, on top of ridge, 300 feet southwest of road crossing, in sandstone post; bronze tablet stamped "6512".	6, 521. 716
Bell Rock Gulch, in flat near new well; stake marked "6342".....	6, 351. 45
Homesteader's cabin, where road runs through old fence near, in fence post; copper nail marked "6324".....	6, 333. 37
Richardson ranch, 0.2 mile west of Yampa River, at gate on west side of ranch, in sandstone post; bronze tablet stamped "6220" .....	6, 229. 917
Stake near the side of old cabin, marked "6124".....	6, 133. 31
Big Bottom ranch, at northeast corner of yard of, on small rock marked "6133".....	6, 142. 01
Craig, 5.1 miles south of, at gate leading to Big Bottom ranch, at fence line, in top of stone post; aluminum tablet stamped "6206".....	6, 204. 872

From Hamilton up Williams River 5 miles.

Hamilton, 1 mile east of, 200 feet north of cabins, at bend in road, on sandstone boulder 8 by 5 by 4 feet; paint point.....	6, 295. 74
Hamilton, 2 miles east of, north side of road, on top of 20 by 12 by 7 foot sandstone boulder; paint point.....	6, 296. 44
Hamilton, 3 miles east of, north side of road, in top of large sandstone boulder; bronze tablet stamped "6376".....	6, 376. 429
Hamilton, 4 miles east of, 100 feet northeast of road fork at Horse Gulch, 1,000 feet northwest of ranch house, 200 feet south of road; paint point on top of sandstone.....	6, 401. 87
Hamilton, 5 miles east of, at T road south, in sandstone post; bronze tablet stamped "6401".....	6, 401. 475

#### CRAIG QUADRANGLE.

[Latitude 40° 30'-41°; longitude 107° 30'-108°.]

From Craig west along highway to Sand Spring (leveled twice).

Craig, 0.4 mile west of, south side of sec. 36, T. 7 N., R. 91 W., 30 feet north of Craig-Maybell road, 3 feet from fence corner, 3 feet east of irrigation ditch (Craig ditch), close to telegraph pole, road to Meeker runs south from this point; iron witness post to section corner, highest point marked "W. C., S. 36½, S. 1, S.," painted on fence post "U. S. B. M. 6188".....	6, 188. 260
Craig, 0.7 mile west of, 30 feet south of Craig-Maybell road, in southeast road corner close to fence corner; highest point of iron witness post, marked "W. C., T. 7 N., R. 91 W., S. 35, S. 36, S. 2, S. 1, 1908," painted on fence post "U. S. B. M. 6183".....	6, 183. 11

Craig, 1.1 miles west of, on south side of Craig-Maybell road, at point where road crosses Craig irrigation ditch, in south end of wooden bridge over irrigation ditch; copper nail, painted on bridge "U. S. B. M. 6196".	Feet. 6, 195. 95
Craig, 1.8 miles west of, 30 feet south of center of Craig-Maybell road, road running north and south from this point, road north to Cedar Mountain and Seick's ranch; highest point of iron witness post marked "W. C., T. 7 N., R. 91 W., S. 34, S. 35, S. 3, S. 2, 1908," painted on post "U. S. B. M. 6222"	6, 222. 50
Craig, 2.2 miles west of, quarter corner of secs. 34 and 3, Tps. 6 and 7 N., R. 91 W., 1908, in center of Craig-Maybell road; iron section-corner post, elevation painted on fence corner	6, 218. 86
Craig, 2.7 miles west of, center of Craig-Maybell road, on township line, south of Hyatt's ranch house; iron section-corner post marked "33, 34, and 4, 3, T. 7 N., R. 91 W., 6236"	6, 235. 930
Craig, 3.2 miles west of, center of Craig-Maybell road; highest point of iron quarter-corner post, marked "S. 33½ S. 4," 6264 painted on nearest fence just south of b. m.	6, 264. 521
Craig, 3.8 miles west of, at road fork to north, 6 feet north of Craig-Maybell road, in bottom north side of corner fence post; copper nail	6, 292. 597
Craig, 4.6 miles west of, 100 feet north of Craig-Maybell road, 100 feet north-west of house, 800 feet east of new house, in large sandstone rock, on side hill at foot of rocky point; chiseled square painted "6411"	6, 410. 837
Craig, 5.8 miles west of, near southeast corner of sec. 25, T. 7 N., R. 92 W., 200 feet south of Craig-Maybell road, on range line 4½ feet west of section-corner stone, appropriately marked, at point where Craig-Maybell road makes decided bend just before going up to top of 7-mile hill, in rock 7 inches square; bronze tablet stamped "6504"	6, 504. 280
Craig, 7.1 miles west of, at corner common to secs. 25, 26, 35, and 36, T. 8 N., R. 92 W., 100 feet north of Craig-Maybell road; highest point of section stone	6, 713. 91
Craig, 7.2 miles west of, on south side of road, at west side of road southwest to house, 0.2 mile east of first Sand Springs road, in foot or north side of mail-bag post; copper nail	6, 698. 91
Craig, 7.9 miles west of, corner of secs. 26, 27, 34, and 35, T. 7 N., R. 92 W., 300 feet south of Craig-Maybell road, 1 mile northeast of Sand Springs, dark-colored section-corner rock, pointed at top and marked 11 on north side, 1 on south side, and 05 on west side; highest point	6, 588. 94
Craig, 8.5 miles west of, south side of Craig-Maybell road, at road forks one-half mile north of Sand Springs, west side of road to Sand Springs, road running north goes to Edinger's ranch, in Big Gulch, in sandstone rock 6 by 12 inches; bronze tablet	6, 540. 064

**From Sand Springs along highway northeast and south to Craig.**

Craig, 9.9 miles northwest of, 2 miles north of Sand Springs, one-half mile south of Edinger's ranch, 10 feet west of road, in corner of fence; highest point of rock	6, 555. 90
Craig, 10 miles northwest of, at Edinger's ranch, in Big Gulch, close to well 100 feet east of house, in north end of water trough; copper nail	6, 486. 41
Craig, 9 miles northwest of, north side of road from Edinger's ranch up Big Gulch to Sieck's ranch, 1 mile northeast of Edinger's ranch, 150 feet north of road, in telephone pole; copper nail	6, 517. 33

Craig, 9 miles northwest of, 1½ miles northeast of Edinger's ranch, in Big Gulch, 15 feet south of road from Edinger's ranch to Seick's ranch, 50 feet northwest of house, 40 feet north of telephone line, at point where Big Gulch makes decided bend to north, in sandstone rock; bronze tablet stamped "6545" .....	Feet. 6, 545. 785
Craig, 9 miles northwest of, at Allan McKimon's ranch in Big Gulch, 100 feet south of ranch house, 2 miles southwest of Seick's ranch, where Big Gulch makes decided bend to northeast, in cedar post; copper nail ...	6, 579. 18
Craig, 8 miles northwest of, in Big Gulch, on south side of road from Edinger's ranch to Seick's ranch, 1 mile southwest of Seick's ranch, 10 feet south of road, in telephone pole; copper nail.....	6, 636. 90
Craig, 8.5 miles northwest of, three-fourths mile southwest of Seick's ranch, in Big Gulch, 75 feet south of road from Edinger's ranch to Seick's ranch, close to point where road goes up steep hill, in telephone pole; copper nail.....	6, 643. 53
Craig, 8 miles northwest of, at northeast corner of T. 7 N., R. 92 W., 700 feet north of Seick's ranch, 1,000 feet east of Big Gulch, 100 feet north of fence corner, 2.5 feet south of township corner stone, in sandstone rock 10 by 10 inches; bronze tablet stamped "6650" .....	6, 651. 605
Craig, 8 miles northwest of, three-fourths mile northeast of Seick's ranch, on top of hill, west side of road from Seick's ranch to Craig and Baggs, 15 feet west of road, by rock pile; highest point of sharp rock 10 by 8 inches, marked. ....	6, 761. 39
Second road forks on road from Seick's ranch to Baggs and Craig, east just northwest of Cedar Mountain; point at southeast corner.....	6, 784. 92
Seick's ranch, 2 miles east of, 50 feet north of road from Seick's ranch to Baggs and Craig, in saddle just north of Cedar Mountain; highest point of sharp rock. ....	6, 959. 97
Craig, 6 miles northwest of, 3 miles east of Seick's ranch, 1 mile north of Cedar Mountain triangulation station, just west of point where road goes over small hill, 600 feet east of road south to Gray's ranch, 5 feet south of center of road from Seick's ranch to Baggs and Craig; iron section-corner post stamped "U. S. G. S. 6826. T. 7 N., S. 4, S. 3, and S. 9, S. 10, 1908".....	6, 827. 228
Craig, 5.5 miles northwest of, 4½ miles east of Seick's ranch, south side of road from Seick's ranch to Baggs and Craig, on top of small bare hill, on main ridge running east and west, in rock; chiseled square.....	6, 705. 40
Craig, 5½ miles north of, 5 miles east of Seick's ranch, 20 feet south of road from Seick's ranch to Baggs and Craig; top of iron section-corner post marked "T. 7 N., S. 2, 1, and S. 11, 12, 1908".....	6, 643. 26
Craig, 5 miles north of, flag triangulation station secondary, on point of hill 0.2 mile south of corner of secs. 1, 2, 11, and 12, T. 7 N., R. 91 W. ...	6, 665. 60
Craig, 5 miles northeast of, 5.8 miles east of Seick's ranch, 15 feet south of road from Seick's ranch to Baggs and Craig; highest point of rock.....	6, 592. 95
Craig, 5 miles northeast of, 6.1 miles east of Seick's ranch, 5 miles west of A. J. Johnson's ranch, on prominent point, 200 feet south of road from Seick's ranch to Baggs and Craig, a fence here bounding north side, in sandstone rock 10 by 6 inches; bronze tablet stamped "6574" .....	6, 574. 928
Craig, 4.5 miles northeast of, 200 feet south of A. H. Johnson's ranch house, 100 feet west of road from Seick's ranch to Craig-Baggs road, 20 feet east of fence; highest point of section-corner stone marked T. 7 N., R. 90 W., secs. 7, 8, 17, and 18, corner stamped "6405".....	6, 406. 37
Johnson's ranch, one-fourth mile south of, west side of road, in corner of fence.....	6, 334. 38



Craig, 4 miles northeast of, 0.5 mile south of Johnson's ranch, 10 feet east of gulch, southwest of house on east side of road, 100 feet west of road; highest point of iron section-corner post, marked " $\frac{1}{4}$ sections 17 and 18, 1908" .....	Feet, 6, 293. 17
Craig, $3\frac{1}{2}$ miles northeast of, $1\frac{1}{4}$ miles south of Johnson's ranch, at northeast corner of road forks north to Johnson's ranch, 25 feet north of Craig-Baggs road, just north across road from fence, in rock 6 by 8 inches; bronze tablet stamped "6281" .....	6, 282. 257
Craig, $2\frac{1}{4}$ miles northeast of, $1\frac{1}{4}$ miles southwest of Johnson's ranch, north side of Craig-Baggs road, at road forks (private road running north), in north end of wooden culvert, on small drain just west of main gulch; copper nail .....	6, 260. 44
Craig, $2\frac{1}{4}$ miles northeast of, on south side of Craig-Baggs road, at road forks, road north to house and Cedar Mountain west, in north end of small culvert; copper nail .....	6, 269. 68
Craig, $2\frac{1}{2}$ miles northeast of, south side of Craig-Baggs road, just south of a sandstone cliff which is the south face of ridge, at point where private lane leads southeast to ranch house, in bottom of Fortification Creek; ground at gate .....	6, 289
Craig, $2\frac{1}{4}$ miles north of, south of prominent sandstone cliff, 250 feet south of large cottonwood tree, in east end of north beam of wooden bridge over side gulch crossing Craig-Baggs road north and south; copper nail .....	6, 236. 62
Craig, about 2 miles north of, north side of Craig-Baggs road; highest point of west rock in group .....	6, 264. 62
Craig, $1\frac{1}{2}$ miles north of, on Craig-Baggs road, east of house, galvanized iron culvert $6\frac{1}{2}$ feet span, 8 feet high; center of east end .....	6, 243. 47
Craig, $1\frac{1}{4}$ miles north of, west side of road where road makes bend to north; iron section-corner post stamped "6281" and marked " $\frac{1}{4}$ section 25 and 36" .....	6, 282. 44
Craig, 0.5 mile north of, west side of Craig-Baggs road, in east end of head gate and flume at point where Craig irrigation ditch crosses Craig-Baggs road; copper nail .....	6, 199. 60

**From Taylor ranch southwest along highway to Farnum ranch.**

Craig, 5.5 miles northeast of, 600 feet southeast of O. W. Haughey's ranch on Fortification Creek, in southeast corner of bridge over Haughey irrigation ditch on Craig-Baggs road; copper nail .....	6, 280. 14
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**From Sand Springs west along highway to Lay Valley school; thence north to Mud Springs, thence east to Blevin ranch, thence north  $5\frac{1}{2}$  miles and east to point near Daniel ranch.**

Craig, 8.5 miles west of, south side of Craig-Maybell road, at forks of road, 5 miles north of Sand Springs, west side of road to Sand Springs, road running north goes to Edinger's ranch in Big Gulch, in sandstone rock 6 by 12 inches; bronze tablet stamped "6539" .....	6, 540. 064
Craig, 10 miles west of, 7.5 miles east of Lay, on Craig-Maybell road, 75 feet southwest from point where road forks south just west of new house, west of road forks north to Big Gulch; highest point of sharp rock 10 inches high .....	6, 530. 29
Craig, 11.5 miles west of, 3 miles northwest of Sand Springs, 16 feet north of Craig-Maybell road, where road goes over small point projecting south, just before going down into Big Gulch; highest point of sharp rock 10 inches high .....	6, 431. 43
Forks of Craig-Maybell road and road up Big Gulch .....	6, 373

Craig, 12 miles west of, 3.5 miles northwest of Sand Springs, 75 feet west of road, 75 feet east of log house, 18 feet west of telephone pole, road north up north fork of Big Gulch, in sandstone rock; bronze tablet stamped "6345" .....	Feet. 6, 344. 865
Craig, 12.7 miles west of, 4.2 miles northwest of Sand Springs, at corner common to secs. 23, 24, 25, and 26, T. 7 N., R. 93 W., 75 feet north of telephone line, 10 feet north of Craig-Maybell road, 30 feet south of east-west fence; highest point of section-corner rock .....	6, 341. 83
Craig, 13.1 miles west of, 4.6 miles northwest of Sand Springs, 20 feet north of Craig-Maybell road, in Big Gulch, at gate to E. H. Hall's ranch, 300 feet south of Hall's ranch house, in top of sawed-off gatepost; copper nail.....	6, 331. 34
Craig, 13.4 miles west of, 4.9 miles northwest of Sand Springs, 45 feet north of Craig-Maybell road, where road makes slight bend south, at east end of gate, in sawed-off gatepost; copper nail.....	6, 317. 99
Craig, 14 miles west of, about 0.5 mile east of Canon's ranch in Big Gulch, north side of road, close to fence and drain; on telephone pole.....	6, 298. 84
Craig, 14.3 miles west of, 5.8 miles northwest of Sand Springs, 350 feet south of road, 800 feet southeast of Canon's ranch in Big Gulch; highest point of property corner stone.....	6, 322. 52
Canon's ranch, three-fourths mile west of, north side of road to Maybell, close to corner of fence at property corner; highest point of rock.....	6, 280. 7
Craig, 15.1 miles west of, 6.6 miles northwest of Sand Springs, 10 feet north of road, 200 feet south of Two Bar corral, at southwest corner of fence, in bottom of telephone pole; spike.....	6, 271. 07
Lay, 1.5 miles northeast of, 7 miles northwest of Sand Springs, one-fourth mile east of Daley's ranch house, in Big Gulch, 11.5 miles south of telephone line, 3 feet north of stone witness post 250 feet south of Craig-Maybell road, in sandstone rock 8 by 9 inches; bronze tablet stamped "6293" .....	6, 293. 209
Lay, 1.1 miles northeast of, 5 miles west of Daley's ranch house, in Big Gulch, 75 feet northwest of Craig-Maybell road; top of property-corner stone, marked "04" on east side, "B. S. 6" on west side.....	6, 236. 24
Lay, 0.9 mile northeast of, in Big Gulch, 150 feet east of Craig-Maybell road, close to point where road crosses Big Gulch, southwest corner of adobe house, in 2-inch board in foundation; copper nail.....	6, 208. 42
Lay, 0.9 mile north of, 200 feet east of Lay Creek, 20 feet east of forks of road, one fork up Big Gulch to Craig, Colo., other fork up Lay Creek, to Jackrabbit mine, 200 feet, just north of grove of cottonwood trees on west side of road, in bottom of corner fence post; spike.....	6, 206. 27
Lay, 100 feet west of, 200 feet south of school, in forks of road, south fork to Axil Basin and Juniper Hot Springs, west fork to Maybell, 21 feet south of Craig-Maybell road, 25 feet north of road to Axil, 4 feet east of witness stone, in sandstone rock; bronze tablet stamped "6172" .....	6, 171. 401
Lay, 1 mile west of, at Lee Webb's ranch on Lay Creek, 45 feet south of gate, 200 feet south of Craig-Maybell road, 300 feet north of ranch house, in telephone pole; spike.....	6, 156. 85
Lay, 1.8 miles west of, 200 feet northwest of Carr's ranch house, on road from Lay to Maybell, 100 feet east of road north to Storey's ranch, iron culvert over wet gulch; southwest end of culvert.....	6, 114. 75
Lay, 2.4 miles west of, in road right of way, at point where telephone line crosses Craig-Maybell road, one-fourth mile north of house, on Lay Creek, in bottom of telephone pole; spike.....	6, 097. 24
Lay Valley schoolhouse, one-fourth mile east of, at private lane running south from Craig-Maybell road.....	6, 078. 85

Lay Valley schoolhouse, 100 feet southeast of, 3.8 miles west of Lay, at road forks, 30 feet west of road running north to Mud Spring Gulch and Spring Creek, 25 feet north of Craig-Maybell road, in stone; bronze tablet stamped "6054" .....	Feet. 6, 054. 047
Lay Valley schoolhouse, 1.2 miles north of, at corner common to secs. 20, 21, 28, and 29, T. 7 N., R. 94 W., at point where road to Mud Spring Gulch forks, west of Ford's ranch house, west side of gulch running out of Sugarloaf Basin, 200 feet northwest of gate; section-corner stone, marked "11" on south side, "1111" on east side, and "04" on west side .....	6, 169. 20
Lay Valley schoolhouse, 2 miles north of, at forks of road from Lay to Mud Spring Gulch, at road running east to Jackrabbit mine, southwest of white sandstone outcrop, on top of sandstone rock; chisel mark .....	6, 282. 76
Lay Valley schoolhouse, 3.1 miles northwest of, 75 feet west of road from schoolhouse to Mud Spring Gulch, on top of low oval hill on long ridge running southeast from top of divide between Lay Creek and Mud Spring Gulch, on top of sharp sandstone rock; chisel mark .....	6, 488. 22
Lay Valley schoolhouse, 4 miles northwest of, on east side of road from schoolhouse to Mud Spring Gulch, 15 feet east of road, at top of ridge, on highest point of stone; chisel mark .....	6, 734. 42
Lay Valley schoolhouse, 4.5 miles northwest of, 20 feet north of road from schoolhouse to Mud Spring Gulch and Spring Creek, at point where road goes over divide between Lay Creek and Mud Spring Gulch, 825 feet east of road fork, left fork west along divide and right fork northwest into Mud Spring Gulch toward Spring Creek, in top of rock, 7 by 12 inches; bronze tablet stamped "6743" .....	6, 742. 980
Lay Valley schoolhouse, 4.9 miles northwest of, on north slope of divide between Lay Creek and Mud Spring Gulch, on east side of road from Mud Spring Gulch, 6 feet south of lone juniper tree, in solid stone; chisel square .....	6, 577. 38
Mud Springs, 300 feet west of, 7 miles west of Blevin's ranch, 15 feet north of road to Spring Creek, 75 feet north of Mud Spring Gulch, in forks of creek, set in rock, 11 by 11 inches; bronze tablet stamped "6310" ...	6, 309. 760
Blevin's ranch, 5.5 miles west of, at point where road from Blevin's to Spring Creek crosses Mud Spring Gulch, 15 feet south of road, 200 feet north of gulch, just west of point where road crosses side gulch, on highest point of rock; chisel mark. ....	6, 404. 41
Blevin's ranch, 4.5 miles west of, 50 feet north of road from Blevin's ranch to Spring Creek, 200 feet north of Mud Spring Gulch, about 100 feet south of small round hill, on top of rock; chisel mark. ....	6, 475. 88
Blevin's ranch, 3 $\frac{3}{4}$ miles west of, quarter-section corner 135 feet north of road from Blevin's ranch to Spring Creek; highest point of section stone, marked "1111" on north side and "04" on south side .....	6, 600. 32
Blevin's ranch, 3 $\frac{1}{4}$ miles west of, at point where road from Blevin's to Spring Creek crosses divide between Bord Gulch and Mud Spring Gulch, 35 feet south of road, set in rock, 9 by 11 inches; bronze tablet stamped "6609" .....	6, 609. 123
Blevin's ranch, 2 $\frac{1}{4}$ miles west of, 6 feet north of road from Blevin's west to Spring Creek, on low flat ridge running northwest-southeast, 1 $\frac{1}{4}$ miles west of Pelley's ranch on Bord Gulch, just south of prominent rock outcrop on south side of east-west ridge, highest point of rock; chisel mark. ....	6, 529. 24
Pelley's ranch, on Bord Gulch; top of platform on well .....	6, 448. 20

Pelley's ranch, on Bord Gulch, $1\frac{1}{2}$ miles west of Blevin's ranch, on top of low ridge, in northwest corner of corral, 300 feet southwest of house, at gate in north-south fence, in heavy beam or brace between two fence posts; copper nail.....	Feet. 6, 468. 42
Pelley's ranch house, just east of, at point where road from Blevin's to Spring Creek crosses Bord Gulch; bottom of gulch.....	6, 443. 97
Blevin's ranch, 0.5 mile west of, on top of divide of high ridge between Lay Creek and Bord Gulch, 15 feet north of road from Blevin's to Spring Creek, on highest point of sharp rock; chisel mark.....	6, 547. 67
Blevin's ranch on Lay Creek, $7\frac{1}{4}$ miles northeast of Lay post office, in rock in front of Mr. Blevin's ranch house; bronze tablet.....	6, 449. 183
Blevin's ranch, one-sixth mile northeast of, 300 feet west of dredge; highest point of quarter-section corner.....	6, 488. 99
Blevin's ranch, 0.7 mile northeast of, at dredge on Lay Creek, 80 feet southeast of road to Iron Springs, in southwest corner of platform; copper nail.....	6, 488. 96
Blevin's ranch, 1 mile northeast of, in southwest corner of road forks, north fork to Iron Springs, east fork to Craig, on highest point of rock; chisel mark.....	6, 499. 21
Blevin's ranch, 2 miles northeast of, east side of Lay Creek, at point where road to Iron Springs crosses creek 10 feet west of road, southeast of old prospect digging, on highest point of rock; chisel mark.....	6, 556. 78
Blevin's ranch on Lay Creek, 2.8 miles northeast of, 12 feet west of road to Iron Springs, south of point where road goes over small nose where Lay Creek makes a decided bend to the northeast, just east of point where prominent gulch runs into Lay Creek, on highest point of rock; chisel mark.....	6, 595. 03
Blevin's ranch, 3.3 miles northeast of, 75 feet east of road to Iron Springs, on point of ridge projecting west, close to point where Lay Creek makes a big bend, in rock 10 by 8 inches; bronze tablet stamped "6643" ...	6, 642. 732
Blevin's ranch, 4.1 miles northeast of, 40 feet east of road from Blevin's ranch to Iron Springs; Lay Creek makes big bend here and cuts deeply into east bank, small drain north and south of bench mark, point of low ridge projecting southwest toward Lay Creek, on highest point of rock; chisel mark.....	6, 683. 18
Lay Creek, bottom of, where road from Blevin's to Spring Creek and Greewood Gulch crosses same. (No water in creek at the time).....	6, 704
Blevin's ranch on Lay Creek, $5\frac{1}{4}$ miles northeast of, at forks of road, right-hand fork to Iron Springs, Blue Gravel, and Baggs, left-hand fork to Spring Creek and Greewood Gulch, 200 feet east of Lay Creek, in rock; bronze tablet stamped "6705".....	6, 704. 439
Iron Springs, 1.5 miles south of, one-fourth mile east of where Lay Creek road crosses Dressler Gulch, 100 feet south of Dressler Gulch, at a point where same makes a decided bend north; highest point of rock; chisel mark, rock marked a placer claim, stake driven beside rock and old lantern thrown over it.....	6, 766. 59
Iron Springs, $1\frac{1}{4}$ miles southeast of, corner common to secs. 19 and 30, T. 9 N., R. 92 W., and secs. 24 and 25, T. 9 N., R. 93 W., 100 feet east of placer prospect hole, 15 feet north of creek, in Dressler Gulch, on highest point of section-corner stone on range line, marked "1111" on north side, "04" on east side, and "11" on south side; chisel mark.....	6, 831. 67
Iron Springs, 2 miles southeast of, 250 feet south of Dressler Gulch, corner common to secs. 19, 20, 29, and 30, T. 9 N., R. 92 W., highest point of section-corner stone, marked "04" on west side, "1111" on east side, and "11" on south side.....	6, 906. 20

Iron Springs, 2.7 miles southeast of, 200 feet north of Dressler Gulch, 0.7 mile S. 76° E. from corner common to secs. 19, 20, 29, and 30, T. 9 N., R. 92 W.; highest point of rock.....	Feet. 6, 961. 69
Iron Springs, 3.5 miles southeast of, 0.5 mile southwest of spring in head of Dressler Gulch (North Fork), 0.5 mile S. 60° W. from corner common to secs. 21, 22, 27, and 28, T. 9 N., R. 92 W., in rock; bronze tablet stamped "7068".....	7, 067. 895
Iron Springs, 4.5 miles southeast of, on divide between Dressler Gulch and North Fork of Big Gulch, 0.6 mile S. 79° E. from corner common to secs. 21, 22, 27, and 28, T. 9 N., R. 92 W., 0.5 mile south of road in top of rock; chiseled square.....	7, 266. 37
Seick's ranch in Big Gulch, 8.85 miles northwest of, 65 feet southwest of road, top of divide between North Fork of Big Gulch and Blue Gravel Gulch, about one-half mile west of point where road up Blue Gravel Gulch forks, in top of rock; chiseled square.....	7, 268. 72
Seick's ranch, 8.85 miles northwest of, at forks, on top of divide between North Fork of Big Gulch and Blue Gravel Gulch, in top of rock; chiseled mark.....	7, 240. 51
Seick's ranch, 7.6 miles north of, about 9 miles west of mouth of Blue Gravel Gulch, 300 feet east of road along top of divide between North Fork of Big Gulch and Blue Gravel Gulch, 1,500 feet east of corner common to secs. 25, 26, 35, and 36, T. 9 N., R. 92 W., in top of rock; chiseled square.....	7, 224. 85
Divide between North Fork Gulch and Blue Gravel Gulch; ground....	7, 233. 3
T. 9 N., R. 92 W., southwest corner of top of township-corner post.....	7, 082. 94
Seick's ranch, 6.7 miles north of, 9 miles east of North Fork road, set in rock halfway between southeast corner of T. 9 N., R. 92 W., and northwest corner of T. 8 N., R. 91 W., about 0.7 mile from head of Big Gulch and 50 feet south of same; bronze tablet stamped.....	7, 082. 762
T. 8 N., R. 91 W., northwest corner of, in top of township-corner rock; chiseled square.....	7, 081. 91
T. 9 N., R. 91 W., secs. 29, 30, 31, and 32, 900 feet N. 50° E. of common section corner.....	7, 185. 86
Seick's ranch, 6.7 miles north of, north corner common to secs. 31 and 32, T. 9 N., R. 91 W., in head of Big Gulch, close to top of divide between Big Gulch and Blue Gravel Gulch; top of iron section-corner post, marked "7159".....	7, 159. 26
Seick's ranch, 6.5 miles northeast of, 0.9 mile S. 61° 15' E. of north corner common to secs. 31 and 32, T. 9 N., R. 91 W., on top of divide between Big Gulch and Blue Gravel Gulch; triangulation station, temporary bench mark.....	7, 157. 48
Same divide, 0.9 mile northeast from, t. b. m. 7158; triangulation station.	7, 024. 92
Seick's ranch, 7.3 miles northeast of, corner common to secs. 33 and 34, T. 9 N., R. 91 W., 200 feet south of gulch 5 miles west from mouth of Blue Gravel Gulch and in South Fork of same; top of iron section-corner post, stamped "6840".....	6, 840. 221
Seick's ranch, 8 miles northeast of, N. 27° W. from corner common to secs. 34 and 35, T. 9 N., R. 91 W., and secs. 2 and 3, T. 8 N., R. 91 W., 200 feet north of gulch, 4½ miles west of mouth of Blue Gravel Gulch and in South Fork of same, in top of rock; chiseled square.....	6, 630. 66
Craig, 12.5 miles north of, about 3 miles west from mouth of Blue Gravel Gulch and Benner's ranch on Fortification Creek, 40 feet south of road up Blue Gravel Gulch, 200 feet north of gulch, in top of rock; chiseled square.....	6, 579. 23

Craig, 12.5 miles north of, 2.3 miles west from mouth of Blue Gravel Gulch, about 2.5 miles west of Benner's ranch on Fortification Creek, 10 feet south of road up Blue Gravel Gulch, 400 feet north of gulch, in rock; bronze tablet stamped "6545".....	Feet. 6, 544. 521
Craig, 12.5 miles north of, in Blue Gravel Gulch, 2 miles west of Benner's ranch; highest surface of section-corner stone.....	6, 518. 89
Craig, 12.5 miles north of, at point where road goes up short steep hill, about 2 miles west of Benner's ranch on Fortification Creek, 5 feet south of road up Blue Gravel Gulch, 500 feet north of same, in top of rock; chiseled square.....	6, 511. 46
Craig, 12.5 miles north of, 1½ miles southwest of Benner's ranch on Fortification Creek, 10 feet south of road up Blue Gravel Gulch, 300 feet north of gulch, in top of rock; chiseled square.....	6, 485. 91
Craig, 13 miles northeast of, on Craig-Baggs road, three-fourths mile southwest of Benner's ranch on Fortification Creek, in north end of bridge over Blue Gravel Gulch, on pier; copper nail.....	6, 449. 65
Craig, 17 miles northeast of, 2 miles northwest of Daniels ranch, on Fortification Creek, 300 feet east of Craig-Baggs road, about 1 mile south of Benner's ranch, in large rock; bronze tablet stamped "6457".....	6, 456. 784
<b>From point 5.2 miles north of Blevin's ranch northwest along highways to point where road down Greesewood Gulch joins Maybell-Baggs road.</b>	
Blevin's ranch, 5½ miles northeast of, at forks of road, right-hand fork of Blue Gravel Gulch, left-hand fork to Spring Creek, 200 feet east of Lay Creek, in rock; bronze tablet stamped "6705".....	6, 704. 439
Blevin's ranch, 5.9 miles northeast of, 2,200 feet N. 40° E. of corner common to secs. 26, 27, 34, and 35, T. 9 N., R. 93 W., 900 feet west of road from corner to Spring Creek, 0.7 mile west of point where Lay Creek and Dressler Gulch fork; highest point of rock.....	6, 846. 76
Blevin's ranch, 6.2 miles north of, 925 feet S. 20° E. of corner common to secs. 21, 22, 27, and 28, T. 9 N., R. 93 W., 0.5 mile west of Bord Gulch, on ridge running northwest-southeast from top of divide between Bord Gulch and Spring Creek, 0.5 mile southwest of spring near head of Bord Gulch; highest point of rock.....	7, 107. 87
Blevin's ranch, 6.7 miles north of, on top of divide between Lay Creek and Spring Creek, N. 42° 30' E. of corner common to secs. 21, 22, 28, and 29, T. 9 N., R. 93 W., 1 mile east of head of Bord Gulch, in rock; bronze tablet stamped "7225".....	7, 224. 469
Blevin's ranch, 6.5 miles northwest of, 1,925 feet N. 81° W. from corner common to secs. 21, 22, 28, and 29, T. 9 N., R. 93 W., on same divide as p. b. m. 7225; highest point of rock.....	7, 206. 60
Blevin's ranch, 7.1 miles northwest of, 1 mile S. 55° E. of corner common to secs. 18 and 19, T. 9 N., R. 93 W., and secs. 13 and 24, T. 9 N., R. 94 W., on long ridge running northwest toward Spring Creek, from divide between Bord Gulch and Spring Creek; highest point of rock.....	7, 098. 05
Blevin's ranch, 7.5 miles northwest of, 2,250 feet S. 15° 30' W. of corner common to secs. 18 and 19, T. 9 N., R. 93 W., and secs. 13 and 24, T. 9 N., R. 94 W., close to road, 200 feet south of creek, water holes occur just north and southwest in creek bed, 1 mile east of first cabin below head of Spring Creek, 5.3 miles west of Iron Springs; highest point of rock.....	6, 827. 39
Blevin's ranch, 7.5 miles northwest of, 6½ miles southwest of Iron Springs, 560 feet N. 51° E. from corner common to secs. 23, 24, 25, and 26, T. 9 N., R. 94 W., 1,200 feet southeast of cabin, in Spring Creek, 200 feet south of road running down Spring Creek, in rock; bronze tablet stamped "6819".....	6, 818. 641

Blevin's ranch, 8 $\frac{1}{4}$ miles northwest of, 6 $\frac{1}{4}$ miles west of Iron Springs, corner common to secs. 13, 14, 23, and 24, T. 9 N., R. 94 W.; highest point of section-corner rock.....	Feet. 6, 956.05
Divide between Spring Creek and Greeseewood Gulch, just east of point where road from Spring Creek passes into Greeseewood Gulch.....	7, 059.8
Iron Springs, 6 $\frac{1}{4}$ miles northwest of, 3 feet west of and 0.82 foot higher than rock at corner of secs. 11, 12, 13, and 14, T. 9 N., R. 94 W.; highest point of rock.....	6, 909.27
Iron Springs, 8.5 miles northwest of, 20 feet north of road running down Greeseewood Gulch, 400 feet west of point where road crosses gulch after dropping off from long ridge, about 400 feet from spring in gulch (lower down); highest point of rock (chisel marked).....	6, 667.15
Iron Springs, 9.4 miles northwest of, about 600 feet north of point where road down Greeseewood Gulch joins road from Maybell to Baggs, 50 feet west of Maybell-Baggs road, in rock; bronze tablet stamped "6638"...	6, 637.589

**From Craig along highway east 2.8 miles.**

Craig, in front face of town hall; aluminum tablet stamped "6191".....	6, 192.296
Craig, 0.9 mile east of, at angle in road to southeast; spike in telephone pole, marked "U. S. B. M. 6201".....	6, 202.552
Craig, 2.1 miles east of, at summit of small rise, south side of road; spike in telephone pole, marked "U. S. B. M. 6319".....	6, 317.518
Craig, 2.8 miles east of, at summit of hill, on south side of road, in top of stone post; aluminum tablet stamped "6377".....	6, 376.186

**From Daniel's ranch on Fortification Creek north along highway to sec. 23, T. 12 N., R. 91 W., thence west to sec. 30, same township.**

Craig, 17 miles north of, 2 miles northwest of Daniels's ranch, on Fortification Creek, 300 feet east of Craig-Baggs Road, 1 mile south of Benner's ranch, in large sandstone rock; bronze tablet stamped "6457".....	6, 456.784
Blue Gravel Creek, 1.31 miles north of, 20 feet east of road; 6 feet east of fence, on U. S. Land Survey quarter-corner monument marked "S 30 S 29;" iron post stamped "U.S.G.S. 6534".....	6, 533.80
Blue Gravel Creek, 2.24 miles north of, 35 feet east of road, 5 feet west of fence, 0.38 mile south of Baker's ranch house; on limestone slab; chiseled square, painted "6501".....	6, 500.62
Baker's ranch house, at gate of, in road; rock.....	6, 499.68
Blue Gravel Creek, 3.20 miles north of, 0.56 miles north of Baker's ranch house, 200 feet west of road; U. S. Land Office Survey township monument, marked "T. 9 N., R. 90 W., R. 91 W., S. 13, S. 18, S. 24, S. 19," marked "U.S.G.S. 6541".....	6, 541.249
Blue Gravel Creek, 3.98 miles north of, 1.36 miles north of Baker's ranch, 1.81 miles south of Davis's ranch house, 40 feet west of road, on limestone slab; chiseled square, painted "6542".....	6, 542.36
Blue Gravel Creek, 5.16 miles north of, 0.63 mile south of Davis's ranch house, at intersection of county road on Fortification Rocks dike, 10 feet east of road, 4 feet east of fence, on rock 1 foot high; cross mark, painted "6574".....	6, 574.04
Davis's ranch house, on southwest corner.....	6, 573.58
Blue Gravel Creek, 5.99 miles north of, 0.20 mile north of Davis's ranch house, 5 feet west of fence, 13 feet east of road, on rock slab; chiseled square, painted "6577".....	6, 576.96
Fortification Creek, at first road crossing, 0.62 mile north of Davis's ranch house; surface of water July 13, 1914, 5.15 p. m.....	6, 558.59

Blue Gravel Creek, 7.11 miles north of, 1.32 miles north of Davis's ranch house, 150 feet east of road, 1 foot west of rock cairn, on black rock 2 feet high; bronze tablet stamped "6611".....	Feet. 6, 611. 192
Blue Gravel Creek, 7.88 miles north of, 2.09 miles north of Davis's ranch house, 0.46 mile south of Clark's ranch, 20 feet east of road, 1 foot west of rock cairn; top of rock, painted "6659".....	6, 659. 16
Fortification Creek, at road crossing, 500 feet north of Clark's ranch house; surface of water July 14, 1914, 7.20 a. m.....	6, 625. 49
Blue Gravel Creek, 8.76 miles north of, on foundation rock, on southwest corner of G. O. Read's ranch house; chiseled cross, painted "6664".....	6, 664. 41
Blue Gravel Creek, 10.04 miles north of, 1.28 miles northwest of G. O. Read's ranch house, 450 feet north of Baggs-Dixon Road forks, 40 feet east of Baggs Road, on rock 1 foot high; bronze tablet stamped "6782".	6, 781. 718
Signpost reading "Counting Station, 4 miles," base of.....	6, 860. 11
Blue Gravel Creek, 11.30 miles north of, 2.54 miles north of G. O. Read's ranch house, on Dixon Road, 80 feet south of small bridge, 16 feet east of road, on rock; chiseled square, painted "6740".....	6, 739. 98
Blue Gravel Creek, 12.43 miles north of, 50 feet east of road, on rock 1 foot high; cross, painted "6642".....	6, 642. 14
Blue Gravel Creek, 12.7 miles north of, at turn in road west of township corner, 125 feet south of gate, in fence post; nail.....	6, 632. 96
Blue Gravel Creek, 13.77 miles north of, on U. S. Land Survey township corner, marked "T. 10 N., T. 11 N., R. 90 W., R. 91 W.", stamped "U. S. G. S. 6759".....	6, 759. 074
Blue Gravel Creek, 15.21 miles north of, on section corner at T. 11 N., R. 91 W., secs. 25, 26, 35, and 36, stamped "U.S.G.S. 6607".....	6, 606. 71
Blue Gravel Creek, 16.07 miles north of, on section corner; iron post marked "T. 11 N., R. 91 W., secs. 23, 24, 25, and 26," stamped "U.S.G.S. 6600".	6, 599. 736
Blue Gravel Creek, 17.07 miles north of, on section corner T. 11 N., R. 91 W., secs. 13, 14, 23, and 24, stamped "U.S.G.S. 6551".....	6, 551. 275
Fourmile Creek; point on bridge over, painted "6509".....	6, 509. 18
Fourmile Creek, under bridge, water surface, July 23, 1914, 2 p. m.....	6, 498. 6
Blue Gravel Creek, 17.88 miles north of, 0.25 mile north of Fourmile Creek crossing, 25 feet west of road, on rock 1 foot high, painted "6515".....	6, 514. 73
Ovo ranch, in middle of old abandoned road to; on fence post, painted "6723".....	6, 723. 51
Blue Gravel Creek 19.47 miles north of, at fence corner of "Ovo" ranch, 60 feet north of gate, 350 feet east of road, on rock; chiseled square, painted "6716".....	6, 716. 42
Blue Gravel Creek, 20.35 miles north of, on township corner marked T. 12 N., T. 11 N., R. 90 W., R. 91 W., stamped "U. S. G. S. 6630".....	6, 630. 011
Blue Gravel Creek, 21.29 miles north of, 0.5 mile west of Dixon road, on sandstone slab 1 foot high; cross mark, painted "6577".....	6, 577. 58
Blue Gravel Creek, 21.99 miles north of, on bronze cap of section corner marked "T. 12 N., R. 91 W. secs. 25, 26, 35, and 36" stamped "U. S. G. S. 6433".....	6, 432. 998
T. 12 N., R. 91 W., in sec. 26, at log cabin, in log; copper nail.....	6, 400. 18
Blue Gravel Creek, 23.14 miles north of, 0.5 mile west of log cabin, 4 feet west of telephone line, on rock, chiseled square, painted "6422".....	6, 422. 52
Blue Gravel Creek, 23.77 miles north of, on bronze cap of section corner T. 12 N., R. 91 W., secs. 22, 23, 26, and 27, stamped "U. S. G. S."....	6, 410. 980
Blue Gravel Creek, 27.22 miles north of, 0.25 mile east of Timberlake Creek, on rock 1 foot high, at fence corner by Baggs Road; chiseled square, painted "6343".....	6, 343. 32
T. 12 N., R. 91 W., sec. 30, on southeast corner of crossroads, on rock 1 foot high; bronze tablet stamped "6345".....	6, 345. 596



From sec. 30, T. 12 N., R. 91 W., southwest along highway to sec. 33, T. 10 N., R. 93 W., thence northwest to sec. 13, T. 10 N., R. 94 W.

NOTE.—The mean of two runnings was taken, corrected slightly to leave exactly 1 foot closure low upon the adjusted elevation given for the junction bench mark in section 13.

T. 12 N., R. 92 W., sec. 36, 1 mile south of p. b. m. 6345, on rock 0.5 foot high, 10 feet east of road; chiseled square, painted "6373".....	Feet. 6, 373. 42
T. 11 N., R. 92 W., sec. 2, 500 feet southwest of quarter corner on east side, 7 feet east of road, on rock; chiseled square painted "6438".....	6, 437. 66
T. 11 N., R. 92 W., sec. 15, 700 feet southwest from northeast corner, 150 feet east of road, 200 feet west of spring, on rock ledge; bronze tablet stamped "6542".....	6, 542. 002
T. 11 N., R. 92 W., on southeast corner of sec. 21, painted "6615".....	6, 615. 75
T. 11 N., R. 92 W., 1,350 feet east of southwest corner of sec. 28, on rock 1 foot high; chiseled square, painted "6697".....	6, 697. 73
T. 11 N., R. 92 W., SE. $\frac{1}{4}$ sec. 29, 12 feet east of road, 200 feet east of creek in gulch, on rock 1 foot high; bronze tablet stamped "6819".....	6, 819. 556
T. 11 N., R. 92 W., sec. 32, in saddle where road leaves Pole Gulch, 50 feet east of road, on rock 1 foot high; chiseled square, painted "7030".....	7, 029. 92
T. 11 N., R. 92 W., southwest corner of township, 3 feet west of township corner, on rock 1 foot high; bronze tablet stamped "6759".....	6, 759. 645
T. 10 N., R. 92 W., 1,800 feet northeast of southwest corner of sec. 6, 200 feet east of gulch, on rock 1 foot high; chiseled cross, painted "6744".....	6, 744. 49
T. 10 N., R. 92 W., near center of sec. 7, 100 feet east of junction of gulches, on rock; chiseled cross, painted "6771".....	6, 771. 52
T. 10 N., R. 93 W., near northwest corner of sec. 18, on sandstone ledge in bottom of gulch; chiseled cross, cut "6845".....	6, 845. 11
T. 10 N., R. 92 W., southwest corner of sec. 18, 6 feet east of section corner, in rock; bronze tablet stamped "6974".....	6, 974. 631
T. 10 N., R. 93 W., 700 feet northwest of quarter corner on south side of sec. 24, on top of Dry Gulch-Scandinavian divide, on rock; chiseled cross, painted "7172".....	7, 171. 92
T. 10 N., R. 93 W., near center of sec. 26, on top of Scandinavian-Big Hole Gulch divide, in saddle, on rock; chiseled square, painted "7207".....	7, 207. 10
T. 10 N., R. 93 W., sec. 27, 300 feet northeast of southwest corner of SE. $\frac{1}{4}$ of, 50 feet northwest of spring in gulch; bronze tablet stamped "6967".....	6, 967. 777
T. 10 N., R. 93 W., sec. 33, 250 feet north of channel in Big Hole Gulch, 0.25 mile west of spring, on rock; chiseled square, painted "6858".....	6, 858. 00
T. 10 N., R. 93 W., sec. 32, 2,100 feet northwest of southeast corner of, north side of gulch, 30 feet north of road, on rock; chiseled cross, painted "6797".....	6, 796. 98
T. 10 N., R. 93 W., about a quarter of a mile northwest of quarter corner east side of sec. 30, 300 feet south of Big Hole Gulch, in rock; bronze tablet stamped "6726".....	6, 726. 710
T. 10 N., R. 94 W., sec. 25, 1,300 feet northwest of southeast corner, on rock; chiseled square, painted "6669".....	6, 669. 19
T. 10 N., R. 94 W., sec. 25, 1,800 feet southeast of northwest corner, 20 feet west of road, on rock; chiseled square, painted "6622".....	6, 621. 97

From sec. 13, T. 10 N., R. 94 W., north and east along highway to sec. 30, T. 12 N., R. 91 W. (leveled twice).

T. 10 N., R. 94 W., sec. 13, southwest corner of crossroads, on rock 40 feet from road crossing; bronze tablet stamped "6618".....	6, 619. 383
T. 10 N., R. 94 W., sec. 12, 1 mile north of the crossroad in sec. 13, 10 feet west of road, on rock 6 inches high; chiseled square, painted "6561"....	6, 562. 91

T. 10 N., R. 94 W., sec. 2, 250 feet southwest of section corner, 8 feet north-east of road, on rock 6 inches high; highest point, painted "6512".....	Feet. 6, 513. 81
T. 10 N., R. 94 W., near center of sec. 3, at fence corner on Wilson's "Upper Ranch," on rock; bronze tablet stamped "6485".....	6, 486. 769
T. 11 N., R. 94 W., near center of sec. 34, 10 feet west of road, on rock; chiseled square, painted "6439".....	6, 440. 41
T. 11 N., R. 94 W., near center of sec. 27, 3 feet east of fence, 20 feet west of road, on rock 1 foot high; chiseled cross, painted "6410".....	6, 410. 85
T. 11 N., R. 94 W., sec. 22, 20 feet east of road, on low spur, on rock 6 inches high; bronze tablet stamped "6388".....	6, 389. 215
T. 11 N., R. 94 W., 1,700 feet northwest of southeast corner of sec. 15, 12 feet east of road, on rock 1 foot high; chiseled square, painted "6363".....	6, 364. 50
T. 11 N., R. 93 W., 1,500 feet northwest of southeast corner of sec. 10, 10 feet east of road, on rock; chiseled square, painted "6366".....	6, 366. 90
T. 10 N., R. 94 W., sec. 2, on top of Big Hole-Scandinavian divide, 15 feet southeast of road, on rock 1 foot high; bronze tablet stamped "6490".....	6, 491. 259
T. 11 N., R. 94 W., 700 feet south of northwest corner of sec. 1, 0.9 mile east of Big Hole-Scandinavian divide, 18 feet northwest of road, on rock 6 inches high; cross, painted "6307".....	6, 308. 68
T. 12 N., R. 94 W., sec. 36, 0.25 mile east of Scandinavian Creek crossing, 15 feet east of road, on rock 1 foot high; chiseled square, painted "6214".....	6, 214. 72
T. 12 N., R. 94 W., 1,700 feet south of northeast corner of sec. 36, at cedar post, on rock; high point, painted "6326".....	6, 327. 58
T. 12 N., R. 94 W., 3 feet north of southeast corner of township, on rock; bronze tablet stamped "6344".....	6, 345. 434
T. 12 N., R. 93 W., sec. 19, 800 feet northeast of quarter corner on south side, at road forks, on ridge in saddle, 20 feet from road, on rock; chiseled square, painted "6415".....	6, 416. 15
T. 12 N., R. 93 W., sec. 19, 1,500 feet southwest of northeast corner, 15 feet north from road, on rock 6 inches high; chiseled square, painted "6291".....	6, 291. 92
T. 12 N., R. 93 W., sec. 18, 300 feet northwest of southeast corner, 40 feet east of road; bronze tablet stamped "6197".....	6, 198. 452
T. 12 N., R. 93 W., sec. 16, 1,500 feet northeast of southwest corner, 50 feet south of ditch, 1,150 feet east of fence, on rock 6 inches high; cross, painted "6199".....	6, 199. 84
T. 12 N., R. 93 W., southeast corner of sec. 15, 40 feet south of ditch, 300 feet west of road and ditch crossing, on rock; chiseled square, painted "6200".....	6, 200. 99
Thornberg Gulch, 0.38 mile west of, 30 feet north of road; bronze tablet stamped "6182".....	6, 183. 353
Thornberg Gulch, 0.25 mile east of, 160 feet south of road, 8 feet north of ditch dump, on rock; chiseled square, painted "6197".....	6, 198. 65
T. 12 N., R. 92 W., 6 feet north of southeast corner of sec. 19, on rock; bronze tablet stamped "6197".....	6, 198. 616
T. 12 N., R. 92 W., southeast corner of sec. 20, 300 feet south of road, 700 feet east of cross fence, 6 feet north of section corner, on rock; chiseled square, painted "6184".....	6, 185. 04
T. 12 N., R. 92 W., 10 feet east of southeast corner of sec. 21, on rock; chiseled square, painted "6247".....	6, 247. 98
T. 12 N., R. 92 W., a quarter of a mile west of southeast corner of sec. 22, 30 feet east of road, on rock; tablet stamped "6271".....	6, 272. 264
T. 12 N., R. 92 W., 1,000 feet west of northeast corner of sec. 26, 20 feet north of road, on rock; chiseled square, painted "6287".....	6, 288. 50
T. 12 N., R. 92 W., sec. 25, at crossroads, 15 feet from road (north), on rock; chiseled square, painted "6379".....	6, 380. 05

From sec. 13, T. 10 N., R. 94 W., west to join 1913 line at point 9.4 miles northwest of Iron Springs.

T. 10 N., R. 94 W., 1,900 feet east of southwest corner of sec. 11, 1 mile south of Big Hole Gulch, 8 feet west of road, on rock 1 foot high; chiseled square, painted "6767" .....	Feet. 6, 768. 06
Big Hole-Greasewood divide, on top of, 70 feet east of Maybell road, on rock; chiseled square, painted "6964" .....	6, 965. 28

#### ELKHEAD QUADRANGLE.

[Latitude 40° 30'-41°; longitude 107°-107° 30'.]

From point 2.8 miles east of Craig along highway east to point 4 miles west of Bear River.

Craig, 4.2 miles east of, 350 feet east of small log cabin, on south side of road; spike in telephone pole marked "U. S. B. M. 6244" .....	6, 243. 125
Craig, 6.6 miles east of, iron bridge over Elkhead Creek, west abutment, in top of south side wing wall; aluminum tablet stamped "6239" .....	6, 238. 009
Craig, 7.4 miles east of, 0.8 mile east of Elkhead Creek, on south side of road; chiseled square on top of bowlder, marked "U. S. B. M. 6244" ..	6, 243. 187
Craig, 8.6 miles east of, 2 miles east of Elkhead Creek, on south side of road, at corner of wire fence; spike in telephone pole, marked "U. S. B. M. 6314" .....	6, 313. 038
Craig, 9.5 miles east of, 2.9 miles east of Elkhead Creek, 6 feet east of gate leading into lower Cary ranch, in top of stone post; aluminum tablet stamped "6314" .....	6, 312. 384
Craig, 10.4 miles east of, 3.8 miles east of Elkhead Creek, where road turns up horseshoe bend, on north side of road; spike in telephone pole, marked "U. S. B. M. 6279" .....	6, 277. 368

From Smith's ranch northwest along highway to Honnold, on Wyoming line.

Palmer's ranch, 600 feet northeast of house, south end of rocky ridge, east edge of road, in large granite bowlder; aluminum tablet stamped "7722" .....	7, 723. 873
Gardner's ranch, 150 feet south of house, on north edge of road; iron post stamped "7024" .....	7, 025. 773
Hancock's ranch, 0.2 mile southwest of house, in river bottom, 400 feet south of river, 200 feet north of road, in rock 6 by 4 feet and 2 feet high; aluminum tablet stamped "6953" .....	6, 954. 758

From point near Daniel's ranch south along highways to Taylor ranch.

Craig, 16 miles northeast of, 50 feet southwest of Miller's ranch house, on Fortification Creek, about 1 mile northwest of Daniel's ranch, 5 feet east of Craig-Baggs road, in top of rock at south end of gate; chiseled square .....	6, 445. 73
Daniel's bridge over Fortification Creek, northwest corner of, just west of Daniel's ranch house; top of larger of two bolts .....	6, 397. 16
Craig, 15 miles northeast of, 250 feet south of Daniel's ranch house, on Fortification Creek, in north end of pier of wooden culvert; copper nail ..	6, 401. 57
Craig, 14 miles northeast of, three-fourths mile south of Daniel's ranch on Fortification Creek, 20 feet east of Craig-Baggs road, 15 feet north of road to Dickinson-Owen's sawmill, in northeast corner of road forks, in rock; bronze tablet stamped "6422" .....	6, 421. 644
Craig, 13 miles northeast of, 20 feet west of Craig-Baggs road, on east side of fence inclosing Carroll's ranch, 20 feet south of gate to ranch house on Fortification Creek, in top of rock; chiseled square .....	6, 380. 88

Carroll's and Chapman's ranches, halfway between, on northwest corner of bridge over Fortification Creek, 7.76 feet above surface of water Nov. 27, 1913; top of bolt.....	Feet. 6, 354. 16
Craig, 12 miles northeast of, 60 feet east of Craig-Baggs road, 100 feet west of Chapman's ranch house on Fortification Creek, in top of rock; chiseled square.....	6, 348. 01
Chapman's ranch, three-fourths mile west of, in east side of culvert over gulch from the west; spike.....	6, 333. 14
Craig, 10.8 miles northeast of, 1.5 miles south of Chapman's ranch, 2 feet west of quarter corner of secs. 26 and 27, T. 8 N., R. 90 W., 20 feet east of Craig-Baggs road, 60 feet north of first bridge over Fortification Creek, 50 feet northwest of creek, in rock; bronze tablet stamped.....	6, 312. 429
Chapman's ranch, 2 miles south of, wooden bridge south of p. b. m. 6312, in northwest corner; copper nail.....	6, 307. 18
Craig, 9.5 miles northeast of, 2.5 miles south of Chapman's ranch, 150 feet east of Craig-Baggs road, one-half mile north of Dowden bridge over Fortification Creek, opposite bluff on west side of creek, 200 feet north of first road forks north of Dowden Bridge, in bottom of telephone pole; spike.....	6, 328. 42
Craig, 9 miles northeast of, at the Dowden Bridge, in north end of flume on Haughey irrigation ditch over Fortification Creek; spike.....	6, 290. 05
Craig, 7 miles northeast of, 300 feet east of gate to Taylor's ranch, on Fortification Creek, 15 feet south of Craig-Baggs road, on north side of fence inclosing the ranch, in rock; bronze tablet stamped "6306".....	6, 306. 125
<b>From Salisbury's ranch along wagon road up Snake River via Honnold post office to Slater Park.</b>	

NOTE.—The following bench marks were established by a spur line run by Donnell Miller in 1901 from the Encampment (Wyo.) special quadrangle:

Honnold, 5 miles east of Salisbury's ranch, NW. $\frac{1}{4}$ sec. 15, T. 12 N., R. 87 W., at front gate to post office, in sandstone; bronze tablet stamped "6851 Laramie".....	6, 852. 246
Honnold, 4.1 miles south of, sec. 33, T. 12 N., R. 87 W., 200 feet east of road, stone 50 feet east of south corner of Fleming's cabin; bronze tablet stamped "7008 Laramie".....	7, 009. 219
Honnold, 6.6 miles south of, 50 feet west of road at crossing of Willow Creek, at point where roads fork to Slater post office and Slater Park, in stone set in ground; bronze tablet stamped "7191 Laramie".....	7, 192. 541
Honnold, 9.8 miles south of, about 1 mile north of divide at Columbus Mountain, 40 feet east of road, in stone; bronze tablet stamped "8306 Laramie".....	8, 307. 499

#### NORTH PARK QUADRANGLE.

[Latitude 40° 30'–41°; longitude 106°–106° 30'.]

**From point 3.6 miles southwest of Mountain Home southwest to Pinkhampton, thence northwest to Colorado-Wyoming State line.**

NOTE.—The following bench marks were established from leveling in the Medicine Bow (Wyo.) quadrangle by Donnell Miller in 1901:

Mountain Home, 3.6 miles southwest of, 50 feet east of road, 10 feet south of fence corner at ranch, between telephone poles 1576 and 1577; iron post stamped "8611 Laramie".....	8, 612. 253
Mountain Home, 6.5 miles southwest of, 50 feet east of road, 10 feet west of telephone pole 1683, 500 yards east of ranch house; iron post stamped "8437 Laramie".....	8, 438. 271

Pinkhampton, 30 feet north of post office, 7 feet north of road; iron post stamped "8033 Laramie".....	Feet. 8, 034. 240
Pinkhampton, 4 miles northwest of, 50 feet east of Platte River, 200 feet north of ford across same, 10 feet east of road; iron post stamped "7831 Laramie".....	7, 832. 086
Pinkhampton, 6.5 miles northwest of, top of small divide, 30 feet north of road; iron post stamped "7952 Laramie".....	7, 953. 234
Pinkhampton, 9 miles northwest of, 20 feet north of county road, between telephone poles 3097 and 3098; iron post stamped "7990 Laramie"....	7, 991. 116
<b>From point 4 miles northwest of Pinkhampton south 3 miles to iron bridge (mean of two lines).</b>	
Cowdrey, 3 miles northwest of, 2 miles from iron bridge, 215 feet west of Hunter ranch, 150 feet east of Platte River; spike driven in top of post.	7, 848. 19
Cowdrey, 2.5 miles northwest of, north of Hahn's Clausen ranch, near bottom of brace on east side of fence corner, 300 feet southeast of Platte River, just south of point of bare ridge, 200 feet west of slough; spike..	7, 862. 89
<b>From iron bridge 2.3 miles west of Cowdrey west along highway to Beotcher Lake.</b>	
Cowdrey, 5.5 miles west of, 108 feet south of Pearl road, on top of small ridge, in rock; bronze tablet stamped "8240".....	8, 239. 822
Cowdrey, 7.7 miles west of, on small hill, southeast of road forks, south side of Cowdrey-Pearl road, 150 feet southeast of fence corner, 30 feet east of other road, in rock; bronze tablet stamped "8337".....	8, 336. 921
<b>From Fliniaux ranch along highway east to Walden, thence north to Cowdrey, thence west to iron bridge.</b>	
Fliniaux ranch, 3 miles east of, east of rocky ridge east of Sheep Mountain, south of ditch, in base of third telephone pole northeast of section corner, in fence corner; spike.....	8, 165. 91
Shippey's ranch, 10 miles west of Walden, at bend in road where road runs east to Walden and county road north from Mallon's ranch ends, 3.5 miles east of Fliniaux ranch, in corner of fence adjacent to garden, 225 feet northeast of house, in sandstone; aluminum tablet stamped "8089".....	8, 088. 877
Norell's ranch, 6 miles west of Walden on road to Walden, in fence corner, 172 feet north of house and 25 feet from gate, in sandstone; aluminum tablet stamped "7987".....	7, 987. 200
Walden, 3 miles west of, 150 feet north of road, on south end of small ridge, 200 feet south of telephone line, in sandstone; aluminum tablet stamped "8091".....	8, 090. 779
Walden, about 0.5 mile west of, north side of road, 75 feet east of bridge over Michigan River, on telephone line from Walden, 0.25 mile west of cemetery on top of hill, in sandstone; aluminum tablet stamped "8044".....	8, 044. 177
Brownlee's ranch, 3 miles north of Walden, in fence corner, 200 feet south-east of house, about 150 yards west of main road, in sandstone; aluminum tablet stamped "7997".....	7, 997. 380
Brownlee's ranch, on grade of Laramie, Hahns Peak & Pacific R. R., north of barn, in corner of back fence, "7989.52" marked on reference stake (railroad bench mark).....	7, 993. 24
Herb Hill's ranch, on Michigan River, 35 feet south of house, 20 feet north of fence between river and road, in sandstone; aluminum tablet stamped "7951".....	7, 951. 196
Cowdrey, 0.5 mile east of, on Canadian River, 20 feet west of bridge over same, north side of road to Pinkhampton; iron post stamped "7879"....	7, 878. 913
Cowdrey, 2.3 miles west of, in concrete pier on southeast corner of iron bridge crossing Platte River; bronze tablet stamped "7875".....	7, 875. 410

## PAGODA QUADRANGLE.

[Latitude 40°-40° 30'; longitude 107°-107° 30'.]

From point 4 miles west of Bear River east along highway to Pool.

	Feet.
Elkhead Creek, 4.7 miles east of, at summit of hill, north side of road; spike in telephone pole, marked "U. S. B. M. 6440".....	6, 439. 078
Elkhead Creek, 5.7 miles east of, at upper Cary ranch, at east corner of fence, at iron gate leading into ranch, in top of stone post; aluminum tablet stamped "6325".....	6, 323. 522
Elkhead Creek, 7.3 miles east of, at fork of road to Hayden, 200 feet south of fork; spike in telephone pole, marked "U. S. B. M. 6392".....	6, 391. 169
Bear River, bridge over, top of west wing wall of north abutment; aluminum tablet stamped "6308".....	6, 306. 409
Bear River, under bridge; surface of water Oct. 8, 1910.....	6, 294. 6
Bear River, 1.1 miles east of, at west corner of wire fence around green house; spike in telephone pole, marked "U. S. B. M. 6232".....	6, 230. 390
Hayden, 1.3 miles west of, on north side of road; spike in telephone pole, marked "U. S. B. M. 6334".....	6, 333. 079
Hayden, southeast corner foundation of town pump; aluminum tablet stamped "6351".....	6, 349. 512
Hayden, 1 mile east of, north side of road; spike in telephone pole, marked "U. S. B. M. 6370".....	6, 368. 847
Hayden, 2.3 miles east of, north side of road, in front of Mrs. A. S. Williams's house; spike in telephone pole, marked "U. S. B. M. 6395".....	6, 393. 622
Hayden, 3 miles east of, at road north, northwest corner of fence, in top of stone post; aluminum tablet stamped "6406".....	6, 404. 323
Hayden, 4.3 miles east of, north side of road; spike in telephone pole, marked "U. S. B. M. 6407".....	6, 406. 189
Hayden, 4.8 miles east of, at forks of road leading to river bridge, north side of road; spike in telephone pole, marked "U. S. B. M. 6418".....	6, 417. 014
Hayden, 5.7 miles east of, north end of bridge over Bear River, 40 feet east of river, 30 feet east of road, in top of stone post; aluminum tablet stamped "6406".....	6, 405. 222
Hayden, 8.1 miles east of, in canyon, on east margin of road, on top of rock; chiseled square marked "U. S. B. M. 6462".....	6, 460. 797
Hayden, 8.9 miles east of, 650 feet northwest of small wooden road bridge, at sharp curve in road, 15 feet north of road, in top of stone post; aluminum tablet stamped "6491".....	6, 490. 118
Hayden, 10 miles east of, 600 feet east of old log cabin on north margin of road, on top of boulder; chiseled square marked "U. S. B. M. 6448".....	6, 446. 437
Hayden, 10.6 miles east of, at corner of wire fence, on south side of road, on top of boulder; chiseled square marked "U. S. B. M. 6448".....	6, 447. 145
Hayden, 11.6 miles east of, on south margin of road; spike in telephone pole, marked "U. S. B. M. 6534".....	6, 532. 994
Hayden, 12.5 miles east of, directly opposite Wilbur Rule's ranch house, at south margin of road, in top of large boulder; aluminum tablet stamped "6467".....	6, 465. 263
Hayden, 13.6 miles east of, 230 feet east of George Marshall's house, south margin of road, on top of boulder; chiseled square marked "U. S. B. M. 6473".....	6, 472. 092
Hayden, 14.5 miles east of, south side of road, 600 feet west of ranch house; spike in telephone pole, marked "U. S. B. M. 6511".....	6, 509. 754
Pool, southwest corner of yard in front of Pool post office, in top of stone post; aluminum tablet stamped "6643".....	6, 641. 735
Pool, 0.9 mile east of, at top of hill, south side of road; spike in telephone pole, marked "U. S. B. M. 6628".....	6, 627. 011

**RABBIT EARS QUADRANGLE.**

[Latitude 40°-40° 30'; longitude 106° 30'-107°.]

**From Pool east along highway to Steamboat Springs.**

Pool, 2.2 miles east of, south margin of road; spike in telephone pole, marked "U. S. B. M. 6561" .....	Feet. 6,560.062
Steamboat Springs, 1 mile west of, in fork of roads to Hayden and Hahns Peak, in top of stone post; aluminum tablet stamped "6676" .....	6,674.255
[NOTE.—A double line was run from this bench mark to Steamboat Springs, the closure error being +0.001 foot.]	
Steamboat Springs, spring house, 200 feet northwest of Cabin Hotel, top of concrete post of railing; aluminum tablet stamped "6701" .....	6,699.410
Steamboat Springs, southwest corner of road bridge over Bear River; spike in stringer (Denver, Northwestern & Pacific Ry. bench mark, railway elevation 6,679.80 feet) .....	6,690.738
Steamboat Springs, in front of station; top of rail .....	6,693.7
Steamboat Springs, 0.5 mile east of, 125 feet south of track; spike in root of cottonwood tree in clump of trees (Denver, Northwestern & Pacific Ry. bench mark, railway elevation 6,687.46 feet) .....	6,698.662

**HAHNS PEAK QUADRANGLE.**

[Latitude 40° 30'-41°; longitude 106° 30'-107°.]

**From Pool east along highway to Steamboat Springs.**

Pool, 3 miles east of, 40 feet west of gate leading to F. Coleman's ranch house, south side of road, in top of stone post; aluminum tablet stamped "6600" .....	6,598.062
Steamboat Springs, 6.6 miles west of, bridge over Elk River, in top of west abutment at south end; aluminum tablet stamped "6593" (set by other parties) .....	6,591.204
Surface of water under bridge, Oct. 19, 1910 .....	6,580
Steamboat Springs, 5.5 miles west of, at west corner of wire fence, gate leading to ranch house; spike in corner post marked "U. S. B. M. 6712" .....	6,710.927
Steamboat Springs, 4.7 miles west of, summit of divide between Bear and Elk rivers, south side of road, at fence, in top of stone post; aluminum tablet stamped "6872" .....	6,870.368
Steamboat Springs, 3.7 miles west of, north side of road; spike in telephone pole, marked "U. S. B. M. 6716" .....	6,714.679
Steamboat Springs, 1.8 miles west of, north side of road, at fork in road to Hahns Peak; spike in telephone pole, marked "U. S. B. M. 6714" ...	6,712.188

**From Steamboat Springs north along highway to point 5.3 miles north of Columbine.**

Steamboat Springs, 2.1 miles north of, on east side of road; spike in telephone pole, marked "U. S. B. M. 6739" .....	6,738.013
Steamboat Springs, 4.1 miles north of, on summit of divide between Elk and Bear rivers, 18 feet west of road; iron post stamped "6903" .....	6,901.577
Steamboat Springs, 4.9 miles north of, at forks of road, 60 feet north of fork on west side of road; spike in telephone pole, marked "U. S. B. M. 6738" .....	6,736.456
Steamboat Springs, 6.5 miles north of, 90 feet south of bridge over Mad Creek, 15 feet east of road; iron post stamped "6747" .....	6,746.120
Steamboat Springs, 7.5 miles north of, west side of road, in canyon; top of granite rock, marked "U. S. B. M. 6766" .....	6,764.242

Steamboat Springs, 9.7 miles north of, in front of C. E. Hempstreet's ranch house, 25 feet south of south side of house, 20 feet east of road; iron post stamped "6898" .....	Feet. 6, 896. 455
Steamboat Springs, 12.7 miles north of, opposite Moon Hill schoolhouse, at northeast corner of yard fence around V. C. Adams's ranch house; iron post stamped "7000" .....	6, 998. 971
Steamboat Springs, 14 miles north of; floor of bridge over Elk River.....	7, 015. 8
Steamboat Springs, 14 miles north of, under bridge over Elk River; surface of water Oct. 29, 1910.....	7, 004. 6
Steamboat Springs, 15.5 miles north of, at Franz's ranch, 210 feet north of north side of house, 20 feet west of road; iron post stamped "7118" ....	7, 116. 082
Steamboat Springs, 18.1 miles north of, at Ducey's ranch house, 60 feet north of north side of house, at west road fence line, at fork of road to northeast; iron post stamped "7274" .....	7, 272. 558
Steamboat Springs, 21.3 miles north of, in canyon, 400 feet northeast of Mike Conklin's ranch house, at west margin of road, in top of stone post; aluminum tablet stamped "7893" .....	7, 891. 573
Hahns Peak, 3.3 miles south of, under bridge over Willow Creek; surface of water Oct. 31, 1910.....	7, 875. 4
Hahns Peak, at southeast corner of county courthouse, near sidewalk; iron post stamped "8153" .....	8, 151. 234
Hahns Peak, 2.7 miles north of, 150 feet north of Cap. Smith's cabin, 10 feet west of road; iron post stamped "8389" .....	8, 387. 486
Columbine, 300 feet west of Carson's store, 35 feet south of road, in edge of timber; iron post stamped "8699" .....	8, 697. 777
Columbine, 2.3 miles north of, 110 feet north of north end of cut-off road 15 feet north of main road, on side hill, in top of boulder outcrop; aluminum tablet stamped "8272" .....	8, 269. 901
Columbine, 5.3 miles north of, at top of small rise north of gully, 0.7 mile north of Smith's ranch, 5 feet east of road, in granite boulder outcrop; aluminum tablet stamped "7870" .....	7, 871. 873

**From Boetcher Lake south along highway to Fliniaux ranch.**

Cowdrey, 7.7 miles west of, southeast of road forks, south side of Cowdrey-Pearl road, 150 feet southeast of fence corner, 30 feet east of other road, in rock on small hill; bronze tablet stamped "8337" .....	8, 336. 991
Cowdrey, 11.1 miles west of, south end of small prominent ridge just east of a higher ridge, 200 feet west of road, 0.5 mile north of Boetcher Lake and ranch house, east of two small ponds, in large rock among other rocks; bronze tablet stamped "8153" .....	8, 153. 142
Cowdrey, 12.9 miles southwest of, just north of road to Boetcher's ranch, west of ridge, at foot of telephone pole leaning to north; spike in stake..	8, 329. 64
Cowdrey, 13.6 miles southwest of, at Boetcher's ranch, 225 feet northeast of house, 5 feet west of road, southwest of sharp ridge, 450 feet east of North Fork of Platte River, 40 feet west of telephone line, in granite rock set inside of fence inclosure at fence corner; bronze tablet stamped "8313" .....	8, 313. 895
Fliniaux ranch, 3 miles southeast and down North Fork of Platte River from Boetcher's ranch, 200 feet northeast of ranch house and 25 feet northeast of garden fence, on southwest rocky slope of Sheep Mountain, 500 feet northeast of river, about 2 miles south of extreme southeast end of Sheep Mountain, in large flat sandstone rock; aluminum tablet stamped "8242" .....	8, 242. 747



**De Beque oil field quadrangle.**[Latitude  $39^{\circ} 18' 30''$ - $39^{\circ} 28' 30''$ ; longitude  $108^{\circ} 09' 30''$ - $108^{\circ} 20' 22''$ .]**MESA COUNTY.**

The elevations in the following list are based on unchecked spur lines from the precise-level bench mark at De Beque.

The leveling was done by F. H. Nelson in 1910.

**DE BEQUE OIL FIELD QUADRANGLE.**

From De Beque northwest up Roan Creek valley to point near junction of Roan and Clear creeks (single spur line).

	Feet.
De Beque, Denver & Rio Grande R. R. water tower, 150 feet west of station, west of Main Street, northwest pier of water tank, in pedestal; aluminum tablet stamped "4937".....	4, 936. 204
De Beque, 3 miles northwest of, junction of Roan Creek and Dry Fork, on main road north, 120 feet south of Placer Corner section; top of rock..	5, 075. 59
De Beque, 7 miles northwest of, at schoolhouse, on main road north up Roan Creek, on southwest corner of foundation of school; chisel mark..	5, 265. 09
De Beque, 12 miles northwest of, junction of roads, at junction of Roan and Clear creeks, 1,000 feet east of large rock; aluminum tablet stamped "5593".....	5, 591. 082

From junction of Roan Creek and Kimball Creek roads west 3 miles along Kimball Creek road (single spur line).

De Beque, 11 miles northwest of, on southeast pier of bridge over Roan Creek; chisel mark.....	5, 386. 32
De Beque, 13 miles northwest of, 350 feet northwest of house, on wash north of Kimball Creek road, on rock; aluminum tablet stamped "5841".....	5, 829. 438
Tps. 7 and 8 S., Rs. 97 and 98 W., 250 feet southwest of corner of, just west of bridge over Roan Creek, in ledge; aluminum tablet stamped "5185".....	5, 183. 507

**Grand Junction quadrangle.****MESA COUNTY.**

The elevations in the following list were determined by a double line of primary leveling and constitute the Colorado portion of the results of a line extended from Salt Lake, Utah, along the Denver & Rio Grande Railroad to Grand Junction, Colo. Corrections have been applied as in precise leveling, including orthometric corrections and adjustment of closure error of about 1 foot.

The leveling was done in 1910 by L. F. Biggs.

**GRAND JUNCTION QUADRANGLE.**[Latitude  $39^{\circ}$ - $39^{\circ} 30'$ ; longitude  $108^{\circ} 30'$ - $109^{\circ}$ .]

From Utaline northeast to Mack, thence southeast to Grand Junction along the Denver & Rio Grande R. R.

	Feet.
Milepost 295, in base of; spike with aluminum tag stamped "4345".....	4, 346. 73
Milepost 296, in base of; spike with aluminum tag stamped "4358".....	4, 359. 58
Milepost 297, in base of; spike with aluminum tag stamped "4358".....	4, 360. 96
Milepost 298, in base of; spike with aluminum tag stamped "4378".....	4, 380. 95

	Feet.
Milepost 299, in base of; spike with aluminum tag stamped "4377".....	4, 379. 84
Shale, 0.2 mile west of milepost 300, 30 feet north of track, in red sandstone ledge; aluminum tablet stamped "4390, 73".....	4, 392. 137
Milepost 300, in base of; spike with aluminum tag stamped "4393".....	4, 395. 35
Milepost 301, in base of; spike with aluminum tag stamped "4401".....	4, 403. 18
Milepost 302, in base of; spike with aluminum tag stamped "4394".....	4, 395. 65
Milepost 303, in base of; spike with aluminum tag stamped "4391".....	4, 392. 51
Milepost 304, in base of; spike with aluminum tag stamped "4411".....	4, 413. 24
Ruby, 200 feet north of station, 25 feet west of track, opposite small building, in bowlder; aluminum tablet stamped "4415 74".....	4, 417. 111
Milepost 305, in base of; spike with aluminum tag stamped "4410".....	4, 412. 15
Milepost 306, in base of; spike with aluminum tag stamped "4422".....	4, 424. 06
Milepost 307, in base of; spike with aluminum tag stamped "4442".....	4, 446. 05
Milepost 308, in base of; spike with aluminum tag stamped "4480".....	4, 483. 53
Mack, 300 feet east of station, in fence corner at road crossing; iron post stamped "4531 75".....	4, 532. 817
Mack, 250 feet southwest of station, west edge of right of way; concrete pier (U. S. Reclamation Service bench mark).....	4, 529. 342
Milepost 310, in base of; spike with aluminum tag stamped "4565".....	4, 568. 92
Milepost 311, in base of; spike with aluminum tag stamped "4560".....	4, 563. 67
Milepost 312, in base of; spike with aluminum tag stamped "4520".....	4, 522. 88
Loma, 340 feet south of station, opposite blacksmith shop, south edge of right of way, in fence corner; iron post stamped "4510".....	4, 512. 099
Milepost 313, in base of; spike with aluminum tag stamped "4497".....	4, 498. 60
Milepost 314, in base of; spike with aluminum tag stamped "4471".....	4, 473. 25
Milepost 315, in base of; spike with aluminum tag stamped "4463".....	4, 474. 80
Milepost 316, in base of; spike with aluminum tag stamped "4482".....	4, 484. 06
Fruita, 0.5 mile west of, north end of east abutment of bridge 361 B; aluminum tablet stamped "4486 77".....	4, 487. 81
Milepost 317, in base of; spike with aluminum tag stamped "4489".....	4, 491. 41
Milepost 318, in base of; spike with aluminum tag stamped "4505".....	4, 507. 31
Milepost 319, in base of; spike with aluminum tag stamped "4518".....	4, 519. 84
Milepost 320, in base of; spike with aluminum tag stamped "4516".....	4, 518. 03
Rohne, 0.2 mile west of, 300 feet west of road crossing, opposite brick schoolhouse, in south end of concrete culvert; aluminum tablet stamped "4517 78".....	4, 518. 877
Milepost 321, in base of; spike with aluminum tag stamped "4519".....	4, 520. 65
Milepost 322, in base of; spike with aluminum tag stamped "4514".....	4, 515. 98
Milepost 323, in base of; spike with aluminum tag stamped "4520".....	4, 521. 68
Grand Junction, 4.6 miles west of, south edge of railroad right of way, opposite Columbine schoolhouse; iron post stamped "4526 79".....	4, 528. 454
Milepost 324, in base of; spike with aluminum tag stamped "4528".....	4, 529. 90
Milepost 325, in base of; spike with aluminum tag stamped "4535".....	4, 537. 13
Milepost 326, in base of; spike with aluminum tag stamped "4543".....	4, 545. 64
Milepost 327, in base of; spike with aluminum tag stamped "4547".....	4, 548. 81
<b>Lake City and Ouray 15' quadrangles; Montrose and Uncompahgre Peak 30' quadrangles.</b>	

## GUNNISON, HINSDALE, MONTROSE, AND OURAY COUNTIES.

The elevations in the following list were determined by primary leveling extended from Ridgway and Montrose on the precise-level line run from a station near Denver in 1908.

The leveling was done in the Ouray 15' (Montrose 30') quadrangle in 1901 by Chester Irvine, in the Lake City 15' (Uncompahgre Peak 30') quadrangle in 1903 by J. E. Chapson; in the Montrose and Uncompahgre Peak 30' quadrangles in 1908 by R. P. Thompson; and in the Montrose quadrangle in 1909 by J. A. Burris and F. J. McMaugh.

The bench marks set in 1908 were not stamped with the figures of elevation.

#### OURAY 15' (MONTROSE 30') QUADRANGLE.

[Latitude 38°-38° 15'; longitude 107° 30'-107° 45'.]

##### From Ouray along Ouray and Silverton stage road to old tollgate.

	Feet.
Ouray, in front of Denver & Rio Grande R. R. station; top of rail (rail-road company's elevation 7,706 feet).....	7, 706. 9
Ouray, 16 feet southeast of Denver & Rio Grande R. R. station, at corner of platform near telegraph pole; iron post stamped "7712 Ouray".....	7, 708. 817
Ouray, in southwest corner of Miners & Merchants Bank, under Beaumont Hotel, 18 inches above sidewalk; bronze tablet stamped "7806 Ouray".	7, 803. 028
Ouray, 2.8 miles southeast of, 150 feet west of tollgate, on south side of road, in granite boulder; bronze tablet stamped "8557 Ouray".....	8, 554. 026

##### From Ouray north along Denver & Rio Grande R. R. to Bachelor switch, thence north along wagon road to Ridgway.

Bachelor switch, 85 feet northwest of north end of siding, 35 feet west of main track, northwest of railroad crossing and west side of wagon road; iron post stamped "7586 Ouray".....	7, 582. 839
Portland, 0.5 mile north of, 5.6 miles southeast of Ridgway, on east side of road at bend, near gate to Jackson's ranch; iron post stamped "7237 Ouray".....	7, 233. 892
Ridgway, 3.5 miles southeast of, 17 feet northeast of gate to Stanton's ranch, west of road; iron post stamped "7181 Ouray".....	7, 177. 559

##### From Ridgway east up Cow Creek and Owl Creek to pass of West Fork of Cimarron Creek.<sup>1</sup>

Ridgway, 2.7 miles northwest of, 120 feet west of bridge over Dry Creek, southwest of crossroads and northeast of Swanson's ranch, on line between secs. 3 and 10; iron post stamped "7024 Ouray".....	7, 020. 517
Ridgway, 5.7 miles northeast of, 0.4 mile west and 0.1 mile south of northeast corner of T. 45 N., R. 8 W., 25 feet west of road near gate to Couchman's ranch; iron post stamped "7326 Ouray".....	7, 322. 733
Ridgway, 9.1 miles northeast of, at end of Upper Cow Creek county road, near gate to Critchfield's ranch; iron post stamped "7604 Ouray".....	7, 600. 176
Ridgway, 11.2 miles east of, south side of Owl Creek, 20 feet south of wagon road and west of salt lick, in boulder; bronze tablet stamped "8163 Ouray".....	8, 158. 760

##### From American Flat east to North Fork of Henson Creek.<sup>1</sup>

Ouray, 12.8 miles east of, at timber line 2 miles east of lake, at east end of American Flat, 45 feet southwest of Bent's cabin, at east end of mine road, in boulder; bronze tablet stamped "11687 Ouray".....	11, 683. 731
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<sup>1</sup> An excessive error was distributed in this line.

From Jacksonville along trail west and south up West Fork to point near Courthouse Mountain.

Jacksonville, 1.5 miles northwest of, on divide between forks of Cimarron Creek, 15 feet south of trail, in low granite boulder; bronze tablet stamped "8979 Ouray".....	Feet. 8,974.707
Jacksonville, 5.5 miles southwest of, west side of West Fork, in forks of trail, in 4 by 4 foot boulder; bronze tablet stamped "9707 Ouray"....	9,702.787
Pass between West Fork of Cimarron and Cow creeks, north of Courthouse Mountain, 20 feet west of trail and 200 feet north of irrigating ditch, in granite boulder; bronze tablet stamped "10120 Ouray".....	10,116.445

#### MONTROSE QUADRANGLE.

[Latitude 38°-38° 30'; longitude 107° 30'-108°.]<sup>1</sup>

From Ridgway west along Rio Grande Southern R. R. to Sams.

Ridgway, 3.1 miles west of, 30 feet north of railroad, 400 feet west of third milepost out from Ridgway, in green boulder; aluminum tablet.....	7,182.003
Ridgway, 6 miles west of, 20 feet south of railroad, 250 feet east of sixth milepost, in limestone 8 by 10 feet; aluminum tablet.....	7,525.694
Ridgway, 9 miles west of, 60 feet east of highway, 50 feet west of a 24-inch pine tree, in one of a pile of rocks; aluminum tablet.....	7,865.258
Ridgway, 12 miles west of, 20 feet west of railroad, 150 feet north of twelfth milepost, in white sandstone 18 by 18 inches, 800 feet north of highway crossing; aluminum tablet.....	8,735.295
Dallas Divide, in front of section house; top of rail.....	8,969.9
Ridgway, 15 miles west of, 100 feet east of fifteenth milepost, 60 feet north of railroad, in sandstone 8 by 8 feet; aluminum tablet.....	8,757.140
Dallas, 4 miles west of, 800 feet west of switch below sawmill, on 3 by 6 foot sandstone; chiseled circle.....	8,446.23

From Montrose southwest along highway to Sams.

Montrose, 3.2 miles southwest of, 150 feet east of intersection of Grandview and Oakgrove avenues, 70 feet northeast of corner of fence, in ledge; aluminum tablet stamped "5948 1909".....	5,948.193
Montrose, 4.8 miles southwest of, southeast corner of bridge over canal; top of painted bolt, marked "6019 B. M.".....	6,018.83
Montrose, 5.6 miles southwest of, 600 feet southwest of George Christensen's house, 60 feet west of road, 2 feet east of wire fence, in ledge; aluminum tablet stamped "6089 1909".....	6,089.224
Montrose, 7.9 miles southwest of, 200 feet northeast of "Sevenmile tree," 30 feet west of road, on ledge; chisel mark, with paint mark "6519 B. M.".....	6,519.51
Montrose, 8.7 miles southwest of, 15 feet west of road, in ledge; aluminum tablet stamped "6733 1909".....	6,732.831
Montrose, 11.8 miles southwest of, 20 feet east of road, in ledge; aluminum tablet stamped "7387 1909".....	7,386.879
Brown's spring, about 160 feet east of road, in ledge; aluminum tablet stamped "8408 1909".....	8,408.482
Brown's spring, 2.8 miles south of, 50 feet east of road, 20 feet north of triple pine tree, in 6 by 8 by 30 inch stone; aluminum tablet stamped "9159 1909".....	9,159.690

<sup>1</sup> An error of 1 foot was distributed in this line.

Finch's ranch, 120 feet northwest of house, 3 feet east of fence, 3 feet south of granary, in top of stone 6 by 10 by 24 inches; aluminum tablet stamped "8568 1909" .....	Feet. 8,568.473
Finch's ranch, 3.6 miles south of, west side of road, at angle in road east; iron post stamped "8950 1909" .....	8,950.057
Dallas Divide, 9.8 miles west of, 20 feet northeast of house, in stone in Potter's yard; aluminum tablet stamped "8842.5" .....	8,842.428
Dallas, 6.8 miles west of, 100 feet east of fence corner, in small sandstone 10 feet north of highway; aluminum tablet .....	8,899.846

**From Cimarron south along highway to Jackson.<sup>1</sup>**

Cimarron, 2.5 miles south of, 150 feet southeast of house, west side of road, in large boulder; aluminum tablet stamped "7044 1909" .....	7,041.778
Cimarron, 3.7 miles south of, 100 feet northwest of intersection of road up mesa, at gateway on west side of road, in root of tree; copper nail marked "7110 B. M." .....	7,107.96
Cimarron, 5.6 miles south of, 70 feet southwest of small bridge, 130 feet north of John Whittingham's house, in boulder; aluminum tablet stamped "7341 1909" .....	7,338.879
Whittingham's ranch, 4 miles south of, 100 feet south of bridge over ditch, east side of road, in large boulder; aluminum tablet stamped "8399 1909" .....	8,397.429
Whittingham's ranch, 6.2 miles southwest of, 400 feet south of house on cattle ranch, 10 feet north of northeast corner of bridge over ditch; mark on boulder marked "8418" .....	8,415.71
Loback's cattle ranch, 1.6 miles south of, 80 feet west of ditch, 20 feet west of road, in large boulder; aluminum tablet stamped "8441 B. M." ....	8,439.781
Jackson, 6.8 miles north of, 15 feet west of road, near growth of small trees, in boulder; aluminum tablet stamped "8381 1909" .....	8,379.463
Jackson, 5 miles north of, 200 feet west of ford, 80 feet southwest of bend in road, in boulder; aluminum tablet stamped "8672 1909" .....	8,670.965
Jackson, 1.5 miles northwest of, on divide 0.7 mile south of junction of Cimarron and Little Cimarron creeks, 15 feet south of trail, in small boulder; bronze tablet stamped "8979 Ouray" .....	8,974.707

**From milepost 325 west along Denver & Rio Grande R. R. to Montrose.**

Cimarron, 3.1 miles east of, 2 feet northeast of milepost D 326, in stone; aluminum tablet .....	6,873.411
Cimarron, 325 feet west of milepost D 329, 25 feet west of water tank, 15 feet west of track, in stone; aluminum tablet .....	6,892.565
Cimarron, 3 miles west of, 50 feet west of milepost D 332, 20 feet north of track, in rock; aluminum tablet .....	7,471.574
Cimarron, 6.1 miles west of, 6 feet west of track, 20 feet southeast of milepost D 335, in boulder; aluminum tablet .....	7,909.106
Cedar Creek, 3.3 miles east of, 20 feet north of track, 40 feet west of milepost D 338, in boulder; aluminum tablet .....	7,319.542
Cedar Creek, at station, 20 feet east of track, in second foundation pier of water tank; aluminum tablet .....	6,733.072
Lujane, at west portal of Gunnison tunnel, 70 feet south of fifth telegraph pole east of milepost D 343; iron post (Reclamation Service elevation 6,550.919) .....	6,531.622

<sup>1</sup> An excessive error was distributed in this line.

Lujane, 1.5 miles west of, 10 feet north of track, 1,200 feet west of milepost D 344, in bowlder; aluminum tablet .....	Feet. 6,345.985
Fairview, 1.3 miles west of, 10 feet west of road, 75 feet west of track, in east side of foundation of large water tank; aluminum tablet stamped "6009" .....	6,005.034
Montrose, 0.6 mile east of, 20 feet west of switch block of branch to Ouray; iron post stamped "5858 U.S.R.S.B.M." (Reclamation Service bench mark) .....	5,838.29

## Uncompahgre Valley; Gunnison project.

NOTE.—The following Geological Survey bench marks were established by the Reclamation Service. The bench marks marked with asterisks (\*) were redetermined by the United States Geological Survey, and the elevations given for them are the results of adjusted leveling by the Survey. The other elevations, presumed to be approximately in agreement, were determined by subtracting 18.9 feet from Reclamation Service values.

Cedar Creek, at station (1,732 feet below bench mark established by the Geological Survey); iron post .....	6,731.340
*Cedar Creek, 1.6 miles west of; iron post (Reclamation Service bench mark) .....	6,531.622
*Fairview, between Lujane and Montrose on narrow-gage line of Denver & Rio Grande R. R. to Salida, 4 feet northwest of signpost marked "Fairview siding"; iron post .....	6,146.776
*Montrose, 1 mile south of, 7 feet east of switch stand, at east end of Y; iron post .....	5,838.29
T. 49 N., R. 9 W., 1.5 feet south of southeast corner of NE. $\frac{1}{4}$ NE. $\frac{1}{4}$ sec. 36, about 0.25 mile northwest of ditch, 0.8 mile south of main line of narrow-gage railroad from Montrose to Salida, set 3 feet in earth under signal at south base; iron post .....	6,107.378
Dry Cedar Creek, 25 feet southwest of bridge where road up Dry Cedar Creek crosses the High Line Canal, 15 feet south of High Line Canal and 15 feet north of lateral of the Cimarron ditch; iron post .....	6,114.779
Montrose & Delta Canal, 13.8 feet from center of head gate, at southeast corner of section house, set 1 foot under surface of ground; iron post ..	6,090.071
Uncompahgre River, high ridge on west side of, 1 mile west of narrow-gage track Montrose to Ouray, in saddle about 700 feet southeast of end of ridge, 50 feet east of road, in rock 3 by 3.5 by 2 feet; metal plate .....	6,126.929
NOTE.—Montrose & Delta Canal passes around end of ridge and is about 80 feet below this bench mark.	
Montrose & Delta Canal, bridge at crossing of Pinyon road, 2 feet north of telegraph pole 50 feet from canal, 75 feet south of southeast corner of bridge; iron post .....	6,015.280
Montrose & Delta Canal, near bottom of Coal Creek drop, 30 feet south of south bank of canal, 20 feet west of large bowlder, 20 feet north of 14-inch cedar tree; iron post .....	5,837.171
Montrose & Delta Canal, at top of Coal Creek drop, on sandstone ledge 30 feet southwest of jump-off, 25 feet south of blazed cedar tree; metal plate .....	5,949.777
Oak Grove, 35 feet northeast of northwest corner of schoolhouse, 12 feet west of line to center of double door; iron post stamped "5948" .....	5,929.080

## LAKE CITY 15' (UNCOMPAHGRE PEAK 30') QUADRANGLE.

[Latitude 38°-38° 15'; longitude 107° 15'-107° 30'.]

From North Fork of Henson Creek north over divide and down Cimarron Creek to Jacksonville.

	Feet.
Capitol City, 2 miles northwest of, 300 feet northwest of forks of road leading to Guilneau's sawmill, 20 feet northeast of road beside monument, in granite boulder; bronze tablet stamped "10436 Ouray" .....	10, 432. 666
Capitol City, 5 miles north of, on divide between North Fork of Henson Creek and Cimarron Creek, 0.6 mile southwest of Matterhorn Peak, 1.2 miles east of Wetterhorn Peak, and 1.5 miles southwest of Uncompahgre Peak, 15 feet south of trail near its forks, 330 yards south of Sullivan's cabin, in granite rock; bronze tablet stamped "12463 Ouray" .....	12, 459. 309
Capitol City, 8 miles north of, 0.5 mile north of Philip's cabin, 200 feet south of ruins of large cabin, 2 feet above ground, east side of Cimarron Creek, 6 feet west of trail, in boulder; bronze tablet stamped "10773 Ouray" .....	10, 769. 275
Jacksonville, 4.5 miles south of, 300 feet southeast of junction of Middle and South forks of Cimarron Creek, east of trail, in conglomerate boulder; bronze tablet stamped "9924 Ouray" .....	9, 920. 300
Jacksonville, 1.5 miles south of, 20 feet west of trail, in boulder 5 by 5 feet and 3 feet high; bronze tablet stamped "9207 Ouray" .....	9, 203. 084

From point 2 miles northwest of Capitol City down Henson Creek east to Lake City (line run twice).

Capitol City, 0.4 mile northwest of, road up north fork of Henson Creek, 7 feet south of road, in outcropping boulder; aluminum tablet stamped "9957 Ouray" .....	9, 952. 987
Capitol City, 60 feet northeast of two-story brick house, 50 feet south of street, in northeast corner of city, in trachyte boulder; aluminum tablet stamped "9667 Ouray" .....	9, 663. 294
Capitol City, 3.1 miles east of, 18 feet north of Henson Creek, 8 feet south of road to Lake City, in 8 by 5 by 4 foot trachyte boulder; aluminum tablet stamped "9414 Ouray" .....	9, 409. 968
Henson, 12 feet east of post office, 12 feet south of road, in middle of settlement at Ute & Ulay mine, in outcropping ledge; bronze tablet stamped "9203 Ouray" .....	9, 198. 954
Lake City, at front entrance to Miners & Merchants Bank, in stone pillar; bronze tablet stamped "8681 Ouray" .....	8, 676. 702
Lake City, in southwest corner of yard of Lake City schoolhouse, 110 feet southwest of brick schoolhouse; bronze tablet stamped "8663 Ouray" ..	8, 658. 959

From Lake City north down Lake Fork of Gunnison River to point 4 miles north of Youman (line run twice).

Lake City, 0.7 mile north of, 600 feet northwest of cemetery, 15 feet west of road down Lake Fork, at top of hill, in granite boulder 3 by 2 by 2 feet; aluminum tablet stamped "8758 Ouray" .....	8, 754. 263
Lake City, 4.8 miles north of, 20 feet west of road, 200 yards south of entrance to canyon, opposite brick house on Baker ranch, in trachyte boulder 8 by 5 by 4 feet; bronze tablet stamped "8515 Ouray" .....	8, 510. 639
Youman, 2.4 miles south of, 200 yards east of Ninemile ranch, 15 feet west of road, in mound of stone; iron post stamped "8527 Ouray" .....	8, 522. 796
Youman, 100 yards south of Youman water tank, 60 feet north of section house, 30 feet east of railroad track, 12 feet east of road; iron post stamped "8321 Ouray" .....	8, 316. 231

Kellogg siding, 0.8 mile north of, 100 feet south of railroad, 80 feet northwest of boulder 20 by 20 by 12 feet, 200 feet southeast of outcropping boulder 3 by 3 by 1.5 feet, in boulder; bronze tablet stamped "8188 Ouray".....	Feet. 8, 182. 971
Kellogg siding, 1.8 miles north of, 400 feet northwest of milepost 336, 50 feet west of railroad, 25 feet east of wagon road, 100 yards north of small butte with conical rock on top, in mound of stone; iron post stamped "8131 Ouray".....	8, 126. 521

## UNCOMPAHGRE PEAK QUADRANGLE.

[Latitude 38°-38° 30'; longitude 107°-107° 30'.]

From Kellogg siding north along Denver & Rio Grande R. R. (Lake City branch, to point near Dayton, thence along road east to Powderhorn and south to Slumgullion Pass.

Spruce Point, at north end of switch, west of track; top of rock, marked "8074.13".....	8, 070. 58
Spruce, 2.4 miles north of, 40 feet northeast of small bridge over stream, about 1,000 feet east of Denver & Rio Grande R. R. up the arroyo, 30 feet from top of ridge, in top of boulder; aluminum tablet.....	8, 039. 831
Gate View ranch, 20 feet from southeast corner of ranch house, at road intersection, in rock; aluminum tablet.....	7, 950. 093
Gate View ranch, 4.7 miles east of, at summit between Gate View ranch and Powderhorn, 5 feet south of center of road, in ledge of rocks; aluminum tablet.....	8, 927. 912
Powderhorn, 2.2 miles southwest of, 10 feet south of road, 500 feet northwest from intersection of Powderhorn and Sapinero roads; point on rock marked "8593.90".....	8, 590. 39
Powderhorn, 250 feet east of post office, at road intersection, in ledge of rock; aluminum tablet.....	8, 054. 142
Powderhorn, 4 miles east of, 1 foot inside fence, 15 feet from southeast corner of William Sammon's house on Beaver Creek, in small rock; aluminum tablet.....	8, 232. 242
Sammon's ranch, 3 miles southeast of, 0.5 mile north of Johnson's ranch, south of road, at rocky point at bend in road, 20 feet north of fence corner, 3 feet outside fence, in boulder; aluminum tablet.....	8, 344. 407
Cebolla Creek bridge, 30 feet southwest of, 5 feet east of road, 30 feet southeast of ford, in large boulder; aluminum tablet.....	8, 529. 781
Warrant's ranch, at mouth of Rock Creek, 700 feet south of, 5 feet east of road, in ledge of rock; aluminum tablet.....	8, 749. 556
Warrant's ranch, 1 mile south of, 25 feet from west side of road, in top of stump; spike marked "8809.29".....	8, 805. 93
Cathedral, 0.25 mile northwest of post office, 100 feet northwest of road forks, 20 feet east of edge of mesa, near mouth of Spring Creek, in top of boulder; aluminum tablet.....	8, 908. 552
Howard's ranch, 4.3 miles southwest of mouth of Spring Creek, 20 feet east of spring house, in rock; aluminum tablet.....	9, 139. 941
Howard's ranch, 3 miles southwest of, 0.5 mile southwest of entrance of second canyon from Howard's ranch, west of trail, 75 feet southwest of small stream, in top of large boulder; aluminum tablet.....	9, 482. 839
Howard's ranch, 6.2 miles southwest of, 2 feet from southeast corner of boulder about 1 cubic yard in size, 25 feet west of trail, 35 feet at southwest end of cliffs, west of Mill Creek, in small flat rock; aluminum tablet.....	10, 024. 389



**From Powderhorn north along road to Iola, thence west along Denver & Rio Grande R. R. to Sapinero.**

Powderhorn, 3.4 miles northeast of, at stone monument 3 feet high, 75 feet west of road, on small ridge 1,000 feet northwest of peak on east side of road, about 1 mile south of Old Lot mine, in small flat stone; aluminum tablet.....	Feet. 8, 484. 554
Powderhorn, 6.1 miles northeast of, 50 feet southeast of fork of road to Spencer, 20 feet east of Iola road, in ledge of rock; aluminum tablet....	8, 916. 127
Ninemile Hill, 100 feet east of road at summit; point on small ledge of rock, marked "8970.64".....	8, 967. 19
Ninemile Hill, 0.8 mile northeast of, 75 feet east of forks of old and new road, 600 feet east of rocky point on west side of road, in ledge of rocks; aluminum tablet.....	8, 747. 112
Big Spring ranch, 0.8 mile northeast of entrance, 300 feet east of road, 50 feet east of small swamp, in ledge of rock; aluminum tablet.....	8, 253. 977
Iola, 2.1 miles south of, 30 feet west of road, on side of small knoll, 40 feet east of top, in ledge of rock marked by mound of stone; aluminum tablet.	7, 770. 492
Iola, 14 feet north of the northwest corner of annex to Iola Hotel, in ledge of rock; aluminum tablet.....	7, 454. 164
Iola, 2.8 miles west of, 300 feet southwest of milepost D 302, 45 feet south of track, in ledge of rock; aluminum tablet.....	7, 401. 910
Iola, 4.7 miles west of, in base of milepost D 304; spike marked "7367.81" (railroad bench mark).....	7, 363. 83
Iola, 5.8 miles west of, 125 feet west of milepost D 305, 20 feet west of water tank, 15 feet north of track at Elk Creek, in small boulder; aluminum tablet.....	7, 356. 606
Cebolla, 1.1 miles west of, 600 feet southwest of milepost D 308, 40 feet south of track at rock cut, 20 feet from bank of river, in ledge of rock; aluminum tablet.....	7, 312. 822
Cebolla, 2.9 miles west of, in side of milepost D 310; spike marked "7292.48" (railroad bench mark).....	7, 288. 46
Cebolla, 4 miles northwest of, 125 feet west of milepost D 311, 15 feet north of track, in ledge of rocks; aluminum tablet.....	7, 272. 771
Cebolla, 5 miles west of, in base of milepost D 312; spike marked "7264.14" (railroad bench mark).....	7, 260. 11
Cebolla, 6 miles west of, in base of milepost D 313; spike marked "7245.55" (railroad bench mark).....	7, 241. 56
Sapinero, 100 feet north of north end of county bridge over Gunnison River, 15 feet east of road, 350 feet southwest of end of switch at Y, 450 feet south of main track of the Denver & Rio Grande R. R. in ledge of rocks; aluminum tablet.....	7, 238. 406

**From Iola east along Denver & Rio Grande R. R. to point near Elkhorn station (double spur line).**

Elkhorn, 600 feet east of station, at the 10-mile bridge, in side of milepost D 297; spike marked "7484.98" (railroad bench mark).....	7, 481. 06
Elkhorn, 0.8 mile east of, 25 feet north of track, on edge of Gunnison River, 300 feet east of rocky point on sharp curve, 0.2 mile west of milepost D 296, in top of large boulder; aluminum tablet.....	7, 492. 380

**From Gate View ranch northwest along road to forks of roads to Montrose and Sapinero, thence northeast to Sapinero.**

Gate View ranch, 1 mile northwest of, 15 feet west of road, 300 feet southwest of schoolhouse; point on boulder, marked "7817.14".....	7, 813. 43
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Gate View ranch, 3 miles northwest of, 2 feet west of road, 150 feet south-east of bend in road, in boulder; aluminum tablet.....	Feet. 8, 077. 979
Gate View ranch, 6 miles northwest of, on top of knoll 30 feet northeast of road on top of hill, in top of ledge of rock; aluminum tablet.....	8, 878. 548
Willow Creek, 1.5 miles west of, 10 feet southwest of road, at top of hill, in large flat rock; aluminum tablet.....	8, 848. 444
Willow Creek, 4.4 miles west of, at top of hill about 0.7 mile west of Pine Creek, 30 feet west of road, in small flat rock; aluminum tablet.....	8, 901. 414
Forks of roads to Montrose and Sapinero, 2.7 miles northeast of, 25 feet southeast of road, 5 feet northwest of trail, 100 feet east of forks of road and trail, 400 feet west of ford of Pine Creek, in large boulder; aluminum tablet.....	8, 225. 148

**From forks of Montrose and Sapinero roads west to junction of Little Blue and Big Blue creeks (double spur line).**

Forks of Montrose and Sapinero roads, 2.2 miles west of, 3 feet south of road, 150 feet southwest of junction of Little and Big Blue creeks, in boulder; aluminum tablet.....	8, 198. 088
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**From Sapinero east on Powderhorn road (double spur line).**

Sapinero, 3.2 miles southeast of, on top of knoll 40 feet south of road, 300 feet west of road forks of abandoned road, marked by mound of stone, in small rock flush with ground; aluminum tablet.....	7, 800. 736
Sapinero, 6 miles southeast of, 30 feet west of road on top of small knoll, 40 feet south of small arroyo, 400 feet west of large arroyo, marked by mound of stone, in small flat rock; aluminum tablet.....	8, 161. 429

**From Sapinero northwest along road 4.5 miles (single spur line).**

Sapinero, 3.1 miles northwest of, at top of needle on rim of Black Canyon, at small pine tree, 300 feet south of road at bend, between two small canyons, in rock; aluminum tablet.....	7, 624. 308
Sapinero, 4.4 miles northwest of, 3 feet south of road, 150 feet east of creek, 100 feet northwest of ruins of stone house, in top of small cone-shaped rock; aluminum tablet.....	7, 830. 362

**From Sapinero west along Denver & Rio Grande R. R. to milepost 325.**

Sapinero, 0.8 mile west of, in base of milepost D 315; spike marked "7221.25" (railroad bench mark).....	7, 217. 19
Sapinero, 2.7 miles east of, 15 feet west of track, 20 feet south of milepost D 317, in large boulder; aluminum tablet.....	7, 170. 550
Sapinero, 5.6 miles west of, 3 feet north of milepost D 320, in boulder; aluminum tablet.....	7, 094. 851
Sapinero, 8.6 miles west of, 50 feet west of milepost D 323, in small boulder; aluminum tablet.....	6, 984. 439

**Coventry, Montrose, and Naturita quadrangles.**

**MONTROSE, OURAY, AND SAN MIGUEL COUNTIES.**

The elevations in the following list were determined by primary leveling and accord with the 1912 adjustment. Orthometric and rod corrections have been applied. Some uncertainty in the value of these data is caused by unreliability of the accepted value of the

elevation of a bench mark east of Sams, which is probably  $\pm 0.6$  foot in error, and by an excessive closure error in the circuit run from this point via Nucla to a point near Montrose. In fixing a value for Nucla, however, double weight was given to the value derived from Montrose.

The leveling was done in 1914 by C. W. Rowell.

#### COVENTRY QUADRANGLE.

[Latitude  $38^{\circ}$ - $38^{\circ}$  30'; longitude  $108^{\circ}$ - $108^{\circ}$  30'.]

From point near Sams southwest along Rio Grande Southern R. R. to Placerville, thence northwest along highway to point near Naturita. (Part of a line in which an error of 1 foot has been distributed.)

	Feet.
Sams post office, 3 miles west of, 35 feet east of milepost 20, 15 feet north of railroad, about 400 feet north of road, in top of large boulder 5 feet by 5 feet; chiseled square, "8044" painted on rock.....	8, 043. 76
Brown station, 1.5 miles east of, in south end of small culvert, 250 feet north of road, 7 feet south of railroad; spike, "7966" painted on culvert.	7, 965. 82
Brown station, 1 mile east of, 33 feet north of railroad, 400 feet north of highway, 1,000 feet north of Davis house, at forks of Mesa and Leopard creeks, 155 feet east of milepost 21, in top of rock 4 feet by 5 feet; bronze tablet stamped "7909".....	7, 909. 282
Leonard, 400 feet north of post office, 150 feet west of Leonard station, northeast corner of bridge 22 A over sheep draw; top of iron bolt, "7818" painted on bridge.....	7, 818. 12
Leonard, in front of station; top of rail.....	7, 824. 4
Brown station, railroad crossing; top of rail, "7742" painted on north end of tie.....	7, 741. 6
Brown station, 18 feet south of railroad, 75 feet southwest of Brown's store, 150 feet south of road, in east end of north middle stone of foundation to water tank; chiseled square, "7735" painted on foundation.....	7, 734. 81
Brown station, 0.12 mile west of, railroad crossing, north side of track; top of rail, "7720" painted on tie.....	7, 719. 5
Brown station, 1 mile west of, 75 feet southeast of milepost 23, 30 feet south of railroad, 75 feet north of road, in top of flat rock 5 feet by 8 feet; chiseled square, "7657" painted on rock.....	7, 656. 87
Brown station, 1.75 miles west of, north side of track, at railroad crossing; top of rail, "7551" painted on telegraph pole.....	7, 550. 4
Brown station, 2 miles west of, 3 miles east of Placerville, 100 feet east of milepost 24, 15 feet north of road, 75 feet north of railroad, in rock 8 feet by 10 feet; bronze tablet stamped "7526".....	7, 525. 828
Brown station, 3 miles west of, 2 miles east of Placerville, 40 feet south of road, 300 feet northeast of milepost 25, in top of boulder 4 feet by 7 feet; chiseled square, "7402" painted on rock.....	7, 402. 04
Placerville (old town), northwest corner of bridge 27 A across Leopard Creek; top of iron bolt, "7281" painted on northwest corner of bridge..	7, 280. 78
Leopard Creek; surface of water June 4, 1914, 1.10 p. m.....	7, 274. 2
Placerville (old town), 30 feet south of railroad, 25 feet west of Leopard Creek, inside of fence, 4 feet from northeast corner of Berties's store, in rock 9 inches by 9 inches; bronze tablet stamped "7282".....	7, 281. 288
Placerville, 1.08 miles northwest of, opposite telephone pole 692, close to northeast corner of ore shed, on Placerville-Naturita stage road; center of road, "7268" painted on pole.....	7, 267. 2

Placerville, 1.20 miles northwest of, 170 feet north of road, on west side of office building belonging to the San Miguel Development Co., on east side of private drive to R. McF. Doble's residence, in solid rock 2 feet by 3 feet; bronze tablet stamped "7289" .....	Feet. 7, 288. 793
Placerville, 1.8 miles northwest of, north of Hummel's house, 8 feet south of road, 60 feet southwest of telephone pole C 725, in top of sandstone rock 2.5 feet by 2.5 feet; chiseled square, "7229" painted on rock .....	7, 228. 94
Placerville, 1.9 miles northwest of, opposite guy pole to telephone pole 731, where irrigation ditch crosses road below Hummel's ranch, on San Miguel River; center of highway, "7206" painted on guy pole. ....	7, 205. 47
Placerville, 2.2 miles northwest of, opposite telephone pole 745; center of highway, "7204" painted on pole. ....	7, 203. 6
Placerville, 2.7 miles northwest of, 66 feet north of telephone pole 767, 10 feet south of road; top of rock, "7154" painted on pole. ....	7, 153. 85
Placerville, 2.9 miles northwest of, 12 feet south of center of road, 48 feet east of telephone pole 790, in top of flat rock; chiseled square, "7174" painted on rock. ....	7, 173. 44
Placerville, 3.3 miles northwest of, foot of telephone pole 804, 12 feet south of highway; ground surface, "7129" painted on pole. ....	7, 128. 1
Placerville, 3.6 miles northwest of, at Specie Creek bridge, 42 feet south of stage road, 18 feet east of Specie Creek road, at north end of bridge, on top of conglomerate rock; chiseled square, "7109" painted on rail post of bridge. ....	7, 108. 29
Specie Creek; floor of bridge. ....	7, 106. 1
San Miguel River; water surface June 9, 1914, 10.50 a. m. ....	7, 099. 0
Placerville, 4 miles northwest of, 15 feet north of highway, south of line between telephone poles 833 and 834, in top of large boulder 25 feet by 25 feet by 15 feet; bronze tablet stamped "7094" .....	7, 093. 726
Placerville, 4.5 miles northwest of, opposite telephone pole 854; center of road, "7062" painted on pole. ....	7, 061. 8
Placerville, 4.8 miles northwest of, opposite mail post at Mr. Clare's place; road surface, "7049" painted on mail post. ....	7, 048. 5
Placerville, 5 miles northwest of, 10 feet north of road, opposite telephone pole 878 across the San Miguel River, in top of flat sandstone rock 2 feet by 2 feet; chiseled square, "7032" painted on rock. ....	7, 031. 25
Placerville, 5.6 miles northwest of, on south side of road, opposite telephone pole A 901, about 0.5 mile northwest of Mr. Clare's place; top of sharp rock, "7020" painted on pole. ....	7, 019. 13
Placerville, 5.9 miles northwest of, opposite telephone pole C 911; south side of road, "6992" painted on pole. ....	6, 991. 53
Placerville, 6 miles northwest of, 6 feet north of road, opposite telephone pole C 920, in top of flat rock 3 feet by 4.5 feet; chiseled square, "6977" painted on rock. ....	6, 976. 12
Placerville, 6.3 miles northwest of, opposite large boulder on north side of highway, about 100 feet south of telephone pole 929; center of road, "6970" painted on rock. ....	6, 969. 6
Placerville, 7 miles northwest of, 11 feet north of highway, 120 feet west of A. M. Johnson's house, 36 feet west of gate, 100 feet south of telephone pole 954, in rounded boulder 4 feet by 8 feet by 5 feet; bronze tablet stamped "6936" .....	6, 935. 067
Placerville, 7 miles northwest of, 50 feet south of telephone pole 954, in top of stump; iron bolt (set by Mr. Meeker in 1911 for the San Miguel Development Co.) .....	6, 934. 63

Placerville, 7.3 miles northwest of, at foot of telephone pole 968, 90 feet north of road, in a small clearing; surface of ground, "6926" painted on pole.....	Feet. 6, 925. 2
Placerville, 7.4 miles northwest of, opposite telephone pole 973, where road goes over little rise and around cliff of red sandstone; center of road, "6926" painted on red sandstone cliff.....	6, 925. 3
Placerville, 8 miles northwest of, opposite telephone pole 994; south side of road, "6877" painted on pole.....	6, 876. 5
Placerville, 8.1 miles northwest of, 11 feet north of road, 25 feet southeast of telephone pole 999, in top of boulder 3 feet by 4 feet; chiseled square, "6871" painted on rock.....	6, 870. 23
Placerville, 8.5 miles northwest of, opposite telephone pole 1019; center of road, "6850" painted on pole.....	6, 849. 0
Placerville, 9 miles northwest of, on red rock, 12 feet north of road, under cliff; painted square, "6807" painted on cliff.....	6, 806. 56
Placerville, 9.2 miles northwest of, 12 feet north of road, between telephone poles 1044 and 1045, in top of rock; chiseled square, "6825" painted on rock.....	6, 824. 23
Placerville, 9.8 miles northwest of, opposite telephone pole 1067, on large boulder on south side of road; center of road, "6771" painted on boulder.....	6, 770. 6
Placerville, 10.3 miles northwest of, 9 feet north of road, opposite telephone pole 1086, 18 feet north of irrigation ditch, 5 miles east of Cane's house, on top of rock 2 feet by 4 feet; chiseled square.....	6, 734. 06
Placerville, 10.8 miles northwest of, 102 feet north of road, 600 feet north of Bert Cane's house, 300 feet west of telephone pole 1106, 11 feet from large pine tree, in rock 7 feet by 4.5 feet; bronze tablet stamped "6725".....	6, 724. 119
Placerville, 11.4 miles northwest of, opposite telephone pole 1130; center of road, "6663" painted on pole.....	6, 662. 9
Placerville, 11.8 miles northwest of, 6 feet north of road, opposite telephone pole 1145, in top of rock 3 feet by 4 feet; chiseled square.....	6, 651. 04
Placerville, 12 miles northwest of, where drain crosses road, in a depression where road is rocky; center of road, "6633" painted on large boulder on north side of road.....	6, 632. 2
Placerville, 12.5 miles northwest of, 6 feet north of road, at Riverside Hotel, in top of stump 48 feet west of telephone pole 1172; copper nail, "6611" painted on stump.....	6, 610. 27
Placerville, 12.5 miles northwest of, on southwest corner of Riverside Hotel porch, in foundation rock; chiseled square, "6616" painted on foundation.....	6, 615. 20
Norwood, 6 miles southeast of, 20 feet east of road, 37 feet from southeast corner of bridge over McKenzie Creek, about 75 feet east of bridge over San Miguel River, in sandstone rock 2 feet by 10 feet; bronze tablet stamped "6583".....	6, 582. 565
McKenzie Creek, under bridge; surface of water June 13, 1914, 3.20 p. m. .	6, 571. 7
San Miguel River, under bridge; surface of water June 13, 1914, 3.50 p. m. .	6, 572. 2
Norwood, 5.6 miles southeast of, on north side of road, 3 feet from stump on Norwood Hill; top of sharp rock, "6619" painted on rock.....	6, 618. 46
Norwood, 5.5 miles southeast of, south side of Norwood Hill, at second turn in road, on rock; chisel mark, "6675" painted on rock.....	6, 674. 76
Norwood Hill, south side of road, 0.7 mile from foot of hill; center of road, "6775" painted on rock.....	6, 774. 4

Norwood, 5 miles southeast of, 18 feet south of road, on Norwood Hill, 1 mile from foot of hill, in horseshoe bend of road, opposite small culvert, at foot of drain off of north slope, in top of rock; chiseled square, "6881" painted on rock.....	Feet. 6,880.83
Norwood, 4.8 miles southeast of, 12 feet south of road, on Norwood Hill, about 1.25 miles from foot of hill; rock, "6967" painted on rock.....	6,965.94
Norwood, 4.4 miles southeast of, on south side of road, on Norwood Hill, below cribbing, opposite telephone pole 1257; center of road, "7105" painted on rock.....	7,104
Norwood, 4.1 miles southeast of, 60 feet west of road, on Norwood Hill, 100 feet west of bridge, where road makes sharp bend, about 0.5 mile from top of hill, in top of rock; chiseled square, "7206" painted on rock.....	7,205.14
Norwood Hill, road forks just east and below top of, road running east to McKees ranch; ground, "7265" painted on corner of fence post.....	7,264.7
Norwood, 3 miles east of, north side of center of bridge over Nelson irrigation ditch at top of Norwood Hill, in stringer; copper nail and washer, "7290" painted on railing of bridge.....	7,289.1
Norwood, 3 miles east of, 27 feet south of road, in northeast corner of Andy Fell's yard, inside of fence, at top of Norwood Hill; iron bench-mark post stamped "7288".....	7,287.732
Norwood, 2.5 miles east of, in northeast corner of sec. 25, T. 45 N., R. 13 W., in top of fence post, 45 feet southwest of road crossing, 42.5 feet east of telephone pole 1288; copper nail, "7250" painted on pole.....	7,249.50
Norwood, 2 miles east of, quarter corner common to secs. 24 and 25, T. 45 N., R. 13 W., in foot of telephone pole 1308, at Sapp's house; spike, "7191" painted on pole.....	7,190.48
Norwood, 2 miles east of, just below Sapp's house, opposite telephone pole 1310; south end of bridge over irrigation ditch, "7186" painted on bridge.....	7,185.4
Norwood, 1.5 miles east of, in southeast corner of sec. 23, T. 45 N., R. 13 W., 24 feet north of road, opposite telephone pole 1328, 60 feet from center of crossroads, in top of solid rock 1.5 feet by 1.5 feet; chiseled square, "7106" painted on fence post.....	7,105.50
Norwood, 1.75 miles east of, between telephone poles 1335 and 1336; north side of bridge, "7088" painted on bridge.....	7,087
Norwood, 1 mile east of, at quarter corner common to secs. 23 and 26, T. 45 N., R. 13 W., opposite telephone pole D 1348, north side of graveyard and south side of gate; center of road, "7078" painted on pole.....	7,077.3
Norwood, 5 miles east of, in southeast corner of sec. 22, T. 45 N., R. 13 W., in east end of head gate, between poles 1368 and 1369, on north side of road; copper nail, "7042" painted on corner fence post.....	7,041.62
Norwood, between telephone poles 1383 and 1384; south side of bridge floor, "7012" painted on bridge.....	7,011.6
Norwood, on window sill of Galloway Brothers' Bank (San Miguel Development Co.'s bench mark), marked "7018".....	7,016.45
Norwood, 41 feet south of center of street, 155 feet west of quarter corner common to secs. 22 and 27, T. 45 N., R. 13 W., in northeast corner of Galloway Brothers' and Anderson's Bank, in north stone wall; bronze tablet stamped "7017".....	7,016.295
Norwood, 0.4 mile west of, opposite telephone pole 17, where irrigation ditch crosses road; center of road, "7011" painted on north end of bridge.....	7,010

Norwood, 0.5 mile west of, in southeast corner of sec. 21, T. 45 N., R. 13 W., 30 feet west of road, in telephone pole 22, underground; spike (a copper washer is driven 3 inches above as a witness), "7004" painted on pole.	Feet. 7,003.65
Norwood, 1 mile northwest of, 25 feet west of road, 35 feet north of east-west fence through quarter corner common to secs. 21 and 22, T. 45 N., R. 13 W., in telephone pole 40, underground; top of spike, 4 inches below copper washer (witness), "6971" painted on pole.	6,970.35
Norwood, 1.5 miles northwest of, in northeast corner of sec. 21, T. 45 N., R. 13 W., 40 feet from center of road crossing, 30 feet west of north-south road, in telephone pole 58, underground, 5 inches below copper washer (witness); top of spike, "6945" painted on pole.	6,943.83
Norwood, 2 miles northwest of, 110 feet west of north-south fence through quarter corner common to secs. 16 and 21, T. 45 N., R. 13 W., 30 feet north of road, halfway between two bridges, in telephone pole 77, underground, 3 inches below copper washer (witness); top of spike, "6917" painted on pole.	6,916.12
Norwood, 2.4 miles northwest of, 60 feet southeast of pole No. 90; south end of bridge over ditch, "6875" painted on bridge.	6,874.0
Norwood, 2.5 miles northwest of, 42 feet northeast of corner common to secs. 16, 17, 20, and 21, T. 45 N., R. 13 W., in bottom of pole 94, 3 inches below copper washer (witness); spike, "6867" painted on pole.	6,865.85
Norwood, 2.9 miles northwest of; top of east side of bridge over ditch, "6883" painted on bridge.	6,882.2
Norwood, 3 miles northwest of, in northeast corner of SE. $\frac{1}{4}$ sec. 17, T. 45 N., R. 13 W., 30 feet south of county line, 30 feet west of north-south road, in pole 113, underground, 4 inches below copper washer (witness); spike, "6884" painted on pole.	6,882.84
Norwood, 3.5 miles northwest of, 40 feet northeast of center of sec. 17, T. 45 N., R. 13 W., on Montrose-San Miguel county line, east of Fred Wright's house, 5 feet north of telephone pole 132; iron post stamped "6843"....	6,842.446
Norwood, 4 miles northwest of, in northeast corner of NW. $\frac{1}{4}$ sec. 17, T. 45 N., R. 13 W., about 300 feet east of Mr. Wooster's house, 70 feet southwest of center of road angle, in pole 151, underground, 5 inches below copper washer (witness); spike, "6851" painted on pole.	6,850.71
Norwood, 4.5 miles northwest of, in northeast corner of NE. $\frac{1}{4}$ sec. 18, T. 45 N., R. 13 W., 60 feet southwest of center of road crossing, 55 feet west of north-south road, in telephone pole 170, underground, 4 inches below copper washer; top of spike, "6821" painted on pole.	6,820.70
Norwood, 4.8 miles northwest of, at top of hill 400 feet east of house, 8 feet south of road, between poles D 183 and 184; south end of small culvert over irrigation ditch; "6842" painted on culvert.	6,841.8
T. 45 N., R. 13 W., in southeast corner of SW. $\frac{1}{4}$ sec 7, 35 feet north of road, at west end of gate to private lane running north to Williams's house, in pole 187 $\frac{1}{2}$ , underground, copper washer 0.6 foot above spike as witness; spike, "6836" painted on pole.	6,835.60
T. 45 N., R. 14 W., in northeast corner of NE. $\frac{1}{4}$ sec. 13, 25 feet south of road, 90 feet west of north-south line, in private lane north to Hook's house, in pole 205, underground, 3 inches below copper washer; top of spike, "6792" painted on pole.	6,791.34
T. 45 N., R. 14 W., in northeast corner of NW. $\frac{1}{4}$ sec. 13, 30 feet south of road, in pole 222, underground, 4 inches below copper washer; top of spike, "6786" painted on pole.	6,785.33
T. 45 N., R. 14 W., 240 feet east of north-south fence line through corner common to secs. 11, 12, 13, and 14, 25 feet south of road, in top of stump; top of iron pin (San Miguel Development Co.'s bench-mark marked "6743.70") "6741" painted on stump.	6,740.39

	Feet.
Norwood, 6.7 miles northwest of, north side of center of bridge over the Empire ditch at Coventry, "6701" painted on railing.....	6, 699. 7
Coventry, 7 miles northwest of Norwood, 40 feet north of road, 5.3 feet west of southwest corner of office building of San Miguel Development Co.; iron post stamped "6677" .....	6, 676. 142
Coventry, 0.5 mile west of, 680 feet west of quarter corner common to secs. 11 and 14, T. 45 N., R. 14 W., 30 feet north of road, at Mr. Whittmeyer's house, in bottom of heavy gate post, east end of gate, 4 inches below copper washer; spike, "6641" painted on post.....	6, 639. 98
Coventry, 1 mile west of, in northwest corner of sec. 14, T. 45 N., R. 14 W., 30 feet south of center of road, at J. Mock's gate, in pole, underground, 4 inches below copper washer (witness); spike, "6624" painted on gate... T. 45 N., R. 14 W., 30 feet west of quarter corner common to secs. 10 and 11, in northeast corner of G. A. Aker's field, in bottom of corner fence post, 4 inches below copper washer (witness); spike, "6577" painted on pole.....	6, 623. 62
Coventry, 1.75 miles northwest of, 0.25 mile north of Aker's house, where road leaves north-south section line and turns northwest; center of road, "6558" painted on pole.....	6, 576. 30
Coventry, 2.2 miles northwest of, opposite pole 322; center of road forks, "6519" painted on pole.....	6, 557. 6
T. 45 N., R. 14 W., in northeast corner of NW. $\frac{1}{4}$ sec. 10, 30 feet south of road, in pole 332, underground, 3 inches below copper washer (witness); top of spike, "6496" painted on pole.....	6, 517. 8
Redvale, 0.75 mile east of, in northeast corner of sec. 9, T. 45 N., R. 14 W., 175 feet west of W. P. Johnson's house, 30 feet south of road, 60 feet west of north-south fence line, in telephone pole 350, underground, 3 inches below copper nail (witness); top of spike, "6503" painted on pole.....	6, 495. 40
Redvale, 0.5 mile east of, 60 feet northeast of pole A 356; center of north side of bridge over irrigation ditch, "6507" painted on railing.....	6, 501. 80
Redvale, 30 feet south of east-west road, 36 feet east of north-south road, in northwest corner of town park, on opposite side of road from Hotel Redvale; iron post stamped "6482" .....	6, 506
Redvale, 0.5 mile west of, in northwest corner of sec. 9, T. 45 N., R. 14 W., 30 feet south of east-west road, in pole 387, underground, 6 inches below copper nail (witness); top of spike, "6413" painted on pole.....	6, 480. 854
Redvale, 0.8 mile northwest of, 42 feet north of pole 401; southwest corner of bridge over ditch, "6406" painted on bridge.....	6, 412. 25
Redvale, 1 mile northwest of, 120 feet north of east-west fence through quarter corner common to secs. 4 and 5, T. 45 N., R. 14 W., on top of hill, 30 feet west of road, in pole 407, underground, 5 inches below copper nail (witness); top of spike, "6418" painted on pole.....	6, 404. 8
T. 45 N., R. 14 W., in northeast corner of sec. 5, 30 feet west of north-south road, in pole 424, underground, 5 inches below copper nail (witness); top of spike, "6378" painted on pole.....	6, 417. 02
T. 46 N., R. 14 W., in southwest corner of SE. $\frac{1}{4}$ sec. 32, 30 feet north of road, in pole 442, underground, 5 inches below copper nail (witness); top of spike, "6325" painted on pole.....	6, 377. 18
Redvale, 2.3 miles northwest of, between poles 453 and 454; south end of bridge over ditch, "6322" painted on bridge.....	6, 324. 08
T. 46 N., R. 14 W., in southwest corner of sec. 32, 48 feet southwest of center of road, in pole 459, underground, 4 inches below copper nail (witness); top of spike, "6307" painted on pole.....	6, 320. 7
	6, 306. 11



T. 46 N., R. 14 W., in northwest corner of SW. $\frac{1}{4}$ , sec. 32, 30 feet east of road, in pole 479, underground, 4 inches below copper nail (witness); top of spike, "6278" painted on pole.....	Feet. 6, 277. 5
Shenandoah, 3.2 miles northwest of Redvale, 300 feet north of Mr. Malich's house, 48 feet west of road, 4.5 feet south of southeast corner of old store and schoolhouse; iron post stamped "6265" .....	6, 264. 109
T. 46 N., R. 14 W., 80 feet west of quarter corner common to secs. 30 and 31, 30 feet south of road, in pole 510, underground, 4 inches below copper nail (witness); top of spike, "6235" painted on pole.....	6, 233. 93
T. 46 N., R. 14 W., in northwest corner of SW. $\frac{1}{4}$ , sec. 30, 25 feet north of road where telephone line leaves road, about 200 feet south of old shack, in pole 531, underground, 4 inches below copper nail (witness); top of spike, "6128" painted on pole.....	6, 126. 75
Redvale, 4.6 miles northwest of; forks of road to Skala's house, "6111" painted on mail-box post.....	6, 109. 6
Redvale, 4.7 miles northwest of, where telephone line from Redvale to Naturita crosses the road, in pole 556, underground, 4 inches below copper nail (witness); top of spike, "6097" painted on pole.....	6, 095. 64
Redvale, 5.4 miles northwest of, where telephone line crosses east-west road, 18 feet south of road, in pole 585, underground, 6 inches below copper nail (witness); top of spike, "6048" painted on pole.....	6, 047. 16
Redvale, 6.4 miles northwest of, in top of solid rock 7 feet by 3 feet, 275 feet north of pole 628, 100 feet south of road; chiseled square, "5954" painted on rock.....	5, 952. 48
Redvale, 6.9 miles northwest of, about 0.5 mile from Naturita Canyon, in center of road on top of hill; top of rock, "5841" painted on rock on north side of road.....	5, 840. 1
Redvale, 7.2 miles northwest of, on hill into Naturita Canyon, less than 0.5 mile from road forks; center of road, "5683" painted on rock on north side of road.....	5, 681. 7
Naturita, 4.3 miles north of, opposite pole 670, just east of Maverick Draw; center of road, "5645" painted on pole.....	5, 643. 6
Naturita, 4.1 miles north of; center of west end of bridge over Maverick Draw, "5608" painted on bridge.....	5, 606. 4
Maverick Draw; surface of water June 26, 1914, 3.10 p. m.....	5, 595. 4
Naturita, 4 miles north of, 45 feet north of road to Nucla, at forks of road to Naturita, opposite pole 678, about 600 feet west of where Maverick Draw empties into Naturita Creek, in solid rock 5 feet by 3 feet; bronze tablet, "5631" painted on rock 10 feet from bench mark.....	5, 630. 221

**From point 4 miles southeast of Nucla along highways east and northeast to point near Montrose.**

Nucla, 4.7 miles southeast of, at Thomas Ray's ranch, on west side of center of bridge over San Miguel River, in floor of bridge; spike in painted square, "5579" painted on rail on west side of bridge.....	5, 577. 57
San Miguel River; surface of water October 6, 1914.....	5, 567. 8
Nucla, 5 miles southeast of, 60 feet south of road forks, east fork to Montrose, west fork to Norwood, north fork to Nucla, 0.25 mile south of Thomas Ray's ranch, on San Miguel River, in south end of solid rock 3 feet by 7 feet; bronze tablet stamped "5637," "5637" painted on rock.....	5, 635. 441
Nucla, 6.9 miles east of, 50 feet north of road from Nucla to Pinon, on top of hill on edge of pinon grove, in crotch of pinon tree; top of spike, "5767" painted on tree.....	5, 765. 66

	Feet.
Nucla, 8 miles east of, on south side of road, inside of a pinon grove, among a group of rocks, on highest point of a large slab rock; chiseled square, "5958" painted on rock.....	5, 956. 40
Nucla, 8.2 miles east of, 60 feet north of road, where road from Nucla to Pinon makes a decided bend in rounding ridge on east side of road, at top of small hill (or pitch), just west of a small park or opening in timber; bronze tablet stamped "6017," "6017" painted on rock.....	6, 015. 432
Nucla, 8.8 miles east of, in center of road, 2.5 miles west of Pinon; painted square, "6029" painted on rock on north side of road.....	6, 027. 3
Nucla, 9.5 miles east of, 1.8 miles west of Pinon, where road from Nucla to Pinon crosses old placer ditch, at a point where road makes a U bend, in southwest corner of bridge over ditch; top of spike, "6010" painted on west side of bridge.....	6, 008. 54
Nucla, 10.4 miles east of, 0.9 mile west of Pinon, on south side of road, where road and old placer ditch run close together, on top of large bowl-der; chiseled square "6018" painted on rock.....	6, 016. 73
Pinon (old bench mark 5,953.21, not described).....	5, 955. 36
Pinon, 60 feet south of road, about 0.25 mile west of bridge over San Miguel River, just west of an old peach orchard, in solid rock 25 feet by 12 feet by 6 feet; bronze tablet stamped "5926".....	5, 924. 355
Pinon, 0.3 mile east of, in east end of bridge over San Miguel River, in northeast pier; top of spike, "5840" painted on north rail.....	5, 838. 31
San Miguel River, surface of water October 11, 1914, at 10 a. m.....	5, 827. 1
Pinon, 0.8 mile southeast of, on north side of road, 100 feet north of Mr. Carlson's house, at head of C. C. Co's. flume, in top of solid rock; chiseled square, "5976" painted on rock.....	5, 974. 24
Pinon, 1 mile east of, in center of north side of first bridge over Cottonwood Creek, above flume; top of spike, "5932" painted on north side of bridge. Cottonwood Creek; surface of water October 11, 1914.....	5, 930. 72 5, 924. 8
Pinon, 1.9 miles east of, on south side of road, where road makes a right-angle bend to the northeast and enters a narrow canyon, on top of flat rock 2 feet by 3 feet; chiseled square, "6077" painted on rock.....	6, 075. 88
Pinon, 2 miles east of, on Cottonwood Creek; center of west end of third bridge above Pinon, "6081" painted on west side of bridge.....	6, 079. 9
Cottonwood Creek; surface of water October 11, 1914.....	6, 075. 0
Pinon, 2.8 miles east of, 0.5 mile below Rose's ranch, on Cottonwood Creek; center of north side of bridge, "6172" painted on bridge.....	6, 170. 6
Rose's ranch on Cottonwood Creek, 3 miles east of Pinon, 18 feet north of road, in foot of upright to east end of gate; top of spike, "6257" painted on upright.....	6, 255. 58
Pinon, 4.4 miles east of, 1.1 miles northeast of Rose's ranch, 150 feet south-east of road, where road crosses gulch, on the end of a long narrow ridge, 5 miles from Ute, in solid rock; bronze tablet stamped "6376".....	6, 375
Pinon, 5.2 miles east of, 4 miles southwest of Ute, 35 feet south of road, at east end of little park, in root of large cedar tree; spike, "6624" painted on tree.....	6, 622. 36
Ute, 2.8 miles west of, on south side of road, where road enters the cedars, on hill on south side of Pelham Draw, in foot of cedar tree; spike, "7134" painted on tree.....	7, 132. 92
Ute, 1.8 miles west of, 9 feet north of side of road, 110 feet east of drain, at point where road turns into Pelham Draw and where draw makes a decided bend to the northeast, north of rock outcrop on side of hill, in solid rock 6 feet by 5 feet; bronze tablet stamped "7241".....	7, 239. 417

Ute, 1 mile west of, 5 feet north of side of road, where road crosses head of Pelham Draw; t. b. m. marked "7385" .....	Feet. 7, 384. 23
Ute, 0.6 mile west of, 7 feet south of road, at junction of road and trail to Tabeguache Basin, on top of flat rock; painted square, "7471" painted on rock.....	7, 469. 45
Ute, opposite post office, on north side of road, 30 feet south of Pelham ranger station, in solid rock 7 feet by 12 feet; bronze tablet stamped "7577" .....	7, 576. 108
Ute, 0.7 mile northeast of, 25 feet east of road, 60 feet southwest of southwest fence corner of Benton's ranch, in foot of pine tree 4 inches in diameter; top of spike, "7646" painted on tree.....	7, 644. 52
Ute, 1.5 miles northeast of, just south of Arnold's ranch on Sheep Creek, 10.5 feet west of road, inside of fence, in pine tree 2.5 feet in diameter; spike, "7759" painted on tree.....	7, 757. 50
Ute, 2.1 miles northeast of, where road crosses Sheep Creek just northeast of Arnold's ranch and runs east to Sisco's ranch, in southeast corner of bridge; spike, "7753" painted on south side of bridge.....	7, 751. 47
Ute, 2.5 miles northeast of, where trail to Hanks Valley branches off of main road; center of road, "7914" painted on rock on west side of road...	7, 912. 3
Ute, 2.8 miles northeast of, 6 feet north of road, 18 inches from a large pine tree on north side of road, in solid rock; chiseled square, "8027" painted on rock.....	8, 025. 92
Ute, 3 miles northeast of, where road crosses Tumble Creek; bridge floor, "8049" painted on north end of bridge.....	8, 047. 5
Ute, 3.6 miles northeast of, near foot of Reade Hill, 12 feet north of road, southwest of group of rocks, on side of hill above bench mark, just northeast of two tall pine trees, in solid rock 3 feet by 7 feet; bronze tablet stamped "8291".....	8, 289. 343
Ute, 4.9 miles northeast of, 10 feet south of road, 265 feet east of land running north to Mr. Rose's ranch house and corral, at top of Reade Hill, west of a small drain, where road runs around south end of an aspen grove, in crotch of and at foot of a three-pronged aspen tree; spike, "8958" painted on board nailed to tree.....	8, 956. 59
Ute, 6.1 miles northeast of, 1.1 miles northeast of Mr. Rose's corral, at top of Reade Hill, on north side of road, in top of sharp-pointed rock; chiseled square, "9338" painted on rock.....	9, 337. 20
Ute, 7.1 miles northeast of, 3 miles below top of divide, 12 feet east of road, in top of solid rock; chiseled square, "9280" painted on rock.....	9, 279. 08
Ute, 7.5 miles northeast of, 5.5 miles southwest of Silesca ranger station, 2.5 miles below top of divide, 40 feet north of road, where it rounds a rocky point and passes through group of quaking aspen trees, in solid rock; bronze tablet stamped "9304" .....	9, 303. 011
Ute, 8.3 miles northeast of, 1.3 miles below top of divide, at the top of a hill, 6 feet east of road, in solid rock; chiseled square, "9434" painted on rock.....	9, 432. 77
Ute, 8.7 miles northeast of, about 1.5 miles below top of divide, in west side of bridge over creek; top of spike, "9345" painted on west side of bridge.....	9, 343. 49
Ute, 9 miles northeast of, 1 mile from top of divide, 6 feet north of road, in solid rock 9 feet by 25 feet; chiseled square, "9375" painted on rock....	9, 373. 66
Montrose, 24.2 miles southwest of, on top of divide (Uncompahgre Plateau), 40 feet north of road, 90 feet northeast of road forks, the road northwest leads to Delta and Olathe, iron springs are to be found at head of Red Canyon Creek, in top of solid rock; bronze tablet stamped "9572," "9572" painted on aspen tree 30 feet northeast of bench mark.....	9, 570. 772

Montrose, 23.9 miles southwest of, 2.5 miles southwest of Silesca ranger station, 90 feet west of divide road to Dallas divide, on west side of road, in foot of aspen tree; top of spike, "9581" painted on tree.....	Feet. 9,580.19
Montrose, 23.1 miles southwest of, 1.7 miles southwest of Silesca ranger station, 12 feet south of road, in solid rock; chiseled square, "9454" painted on rock.....	9,452.41
Montrose, 23.5 miles southwest of, 1.4 miles southwest of Silesca ranger station; road forks, "9442" painted on telephone pole.....	9,440.8
Montrose, 22 miles southwest of, 0.6 mile southwest of Silesca, 12 feet south of road, in solid rock; chiseled square, "9272" painted on aspen tree 22 feet south of bench mark.....	9,270.74
Montrose, 21.4 miles southwest of, at Silesca ranger station, 32.7 feet north of ranger's house, 79.8 feet south of gate, inside of fence, in solid sandstone rock; bronze tablet stamped "9129".....	9,128.061
Montrose, 20.4 miles southwest of, 1 mile northeast of Silesca ranger station, in the open, about 0.25 mile east of the timber line, 65 feet south of road, on north side of fence, in top of solid rock; chiseled square, "9062" painted on rock.....	9,061.50
Montrose, 19.4 miles southwest of, 2 miles northeast of Silesca, 25 feet south of road, on the open prairie at head of small drain, in solid rock; chiseled square, "9010" painted on rock.....	9,008.72
Montrose, 18.2 miles southwest of, 3.2 miles northeast of Silesca, 5 feet south of road, 225 feet north of a lone pine tree, in solid rock; bronze tablet stamped "8743," "8743" painted on rock. (The witness tree is blazed and a cross cut upon the blazed portion and painted white).....	8,741.461
Montrose, 17.8 miles southwest of, 12 feet north of road, 50 feet north of bridge over draw, in top of solid rock; chiseled square, "8612" painted on rock.....	8,610.29
Montrose, 16.7 miles southwest of, 1 mile southwest of Dry Creek, 6 feet north of road, in top of solid rock; chiseled square, "8243" painted on rock.....	8,242.12
Montrose, 15.8 miles southwest of, 6 feet south of road, on grade into Dry Creek Canyon, in solid rock; chiseled square, "7877" painted on rock..	7,876.11
Montrose, 14.6 miles southwest of, 132 feet north of road, 42 feet south of old road, near a group of four cedar trees, in solid rock; bronze tablet stamped "7730".....	7,728.463
Montrose, 13.7 miles southwest of, 7 feet south of road, in cedars, in top of solid rock; chiseled square, "7526" painted on large red rock 8 feet east of bench mark.....	7,524.48
Montrose, 13 miles southwest of, 6 feet north of road, about 1 mile southwest of Brown's ranch, in cedars, in top of solid rock; chiseled square, "7359" painted on rock.....	7,357.50
Montrose, 11.8 miles southwest of, in Upper Temple Park, about 0.25 mile northeast of Brown's ranch, north of road forks, 90 feet west of road, in solid rock; bronze tablet stamped "7072," "7072" painted on cedar tree 150 feet east of bench mark.....	7,070.289

## MONTROSE QUADRANGLE.

[Latitude 38°-38° 30'; longitude 107° 30'-108°.]

From point east of Sams along Rio Grande Southern R. R. to point west of Sams.  
(Part of line in which an error of 1 foot has been distributed.)

Ridgway, 15 miles west of, 0.4 mile west of Noel, 100 feet east of milepost 15, 60 feet north of railroad, in sandstone rock 8 feet by 8 feet; aluminum tablet stamped "8757"..... 8,757.140

Noel post office, 0.7 mile west of, on north side of center of bridge 16 A; top of rail, "8705" painted on bridge.....	Feet. 8,704. 54
Leopard Creek; surface of water May 30, 1914, at 9.35 a. m.....	8,697. 5
Bridge 16 B, center of, on north side of track; top of rail, "8677" painted on bridge.....	8,676. 6
Leopard Creek; surface of water May 30, 1914, 10.15 a. m.....	8,669. 1
Noel, 1.2 miles west of, 225 feet south of Batchelor's house, on north side of track, 50 feet south of road from Placerville to Ridgway; top of rail, "8646" painted on north side of tie.....	8,646. 43
Noel, 1.5 miles west of, in center of track, 13 feet south of milepost 16, in tie; spike, "8610" painted on north side of tie.....	8,609. 47
Noel, 1.5 miles west of, 12 feet north of center of railroad, 3.4 feet west of whistle post, just west of milepost 16, in top of rock 3 feet by 4 feet; chiseled square, "8607" painted on rock.....	8,607. 22
Leopard Creek station, on north side of track; top of rail, "8596" painted on north side of tie.....	8,595. 7
Sams post office, 0.5 mile east of, 30 feet north of railroad, 35 feet south of road, in top of rock 6 feet by 7 feet; chiseled square, "8530" painted on north side of rock.....	8,529. 84
Sams post office, 0.3 mile east of, 11.2 feet south of milepost 17, 30 feet south of road, in center of track; spike, "8480" painted on tie on north side of track.....	8,480. 03
Sams post office, 20 feet west of railroad crossing, in northeast corner of bridge over small creek from the north; spike, "8455" painted on top of bolt on northeast corner of bridge.....	8,454. 80
Sams post office, 0.5 mile west of, on northeast corner of bridge 18 C over Leopard Creek; top of iron bolt, "8397" painted on bridge.....	8,397
Sams post office, 1 mile west of, 11.6 feet north of Rio Grande Southern R. R., 150 feet north of road, 525 feet west of milepost 18, about 400 feet north of old deserted log cabin across Leopard Creek, in rock 4 feet by 4 feet; bronze tablet stamped "8324".....	8,323. 477
Sams post office, 1.5 miles west of, 30 feet south of railroad, 150 feet north of road, 100 feet west of section post 5, about 0.5 mile east of Dead Horse Gulch, in top of rock 5 feet by 10 feet; chiseled square, "8264" painted on rock.....	8,263. 49
Sams post office, 2 miles west of, on Rio Grande Southern R. R., on northeast corner of bridge 19 A, over Dead Horse Gulch; top of iron bolt, "8205" painted on bridge.....	8,205. 14
Sams post office, 2 miles west of, 300 feet west of Dead Horse Gulch, 65 feet southeast of milepost 19, 23 feet south of railroad, 500 feet north of road, in top of rock; chiseled square, "8191" painted on rock.....	8,190. 66

**From point 2.5 miles southwest of Neal's ranch northeast to point 3.2 miles southwest of Montrose.**

Montrose, 11.1 miles southwest of, 2.5 miles southwest of A. L. Neal's ranch in Shavano Valley, in Temple Park, 12 feet north of road, 150 feet southeast of a lone cedar tree, in top of solid rock; chiseled square, "6907" painted on rock.....	6,905. 87
Montrose, 10.4 miles southwest of, in Lower Temple Park, at road forks, road running south to Mr. Rockway's house, 8 feet north of road, in foot of cedar tree; top of spike, "6781" painted on tree.....	6,779. 08
Temple Park Hill, at top of, 30 feet east of road, on edge of a cedar grove, in top of solid rock; chiseled square, "6661" painted on rock.....	6,659. 54

Montrose, 9 miles southwest of, 0.5 mile from A. L. Neal's ranch, at top of first slope on the Temple Park Hill, 25 feet east of road, in solid rock; chiseled square, "6294" painted on rock.....	Feet. 6, 292. 26
Montrose, 8.5 miles southwest of, in Shavano Valley, about 500 feet southwest of A. L. Neal's ranch house, 75 feet east of road, 95 feet from west end of bridge over irrigation canal, about 400 feet from road forks (road to Nucla running southwest; road to Coal Creek running northwest), in solid rock; bronze tablet stamped "6143" .....	6, 141. 089
Montrose, 7.8 miles southwest of, 25 feet north of road, where road turns from northwest to west, in top of solid rock; chiseled square, "6137" painted on rock.....	6, 134. 99
Montrose, 7.4 miles southwest of, 30 feet south of road, at fence corner, where telephone line crosses road; top of white rock, "6157" painted on telephone pole on north side of road.....	6, 155. 66
Montrose, 6.8 miles southwest of, in Shavano Valley, at road forks, on north side of road to Montrose, on top of ridge, at Government canal tunnel, "B. N. 0.311," in top of rock; chiseled square.....	6, 188. 54
Montrose, 6.5 miles southwest of, in west side of center of bridge "B. N. B. 0.13" over Government irrigation canal (west canal); spike, "6154" painted on west side of bridge.....	6, 152
Montrose, 5.8 miles southwest of, 25 feet north of road, at quarter-section corner, in top of solid rock; chiseled square, "6064" painted on corner fence post on north side of road.....	6, 061. 93
Montrose, 5.3 miles southwest of, about 1.5 miles south of Oak Grove, on northwest corner of bridge "C 853" over the Montrose & Delta Canal; top of bolt, "6019" painted on west rail of bridge.....	6, 017. 67
Montrose, 4.8 miles southwest of, 30 feet east of road, at private lane and quarter-section corner, in foot of telephone pole; top of spike, "5964" painted on telephone pole.....	5, 962. 05
Montrose, 4.1 miles southwest of, in front of Oak Grove schoolhouse, 30 feet south of east-west road, 12 feet west of cement sidewalk; iron post stamped "5948," Reclamation Service bench mark (Elevation given= Bulletin 486, page 81, value+0.508 foot) .....	5, 929. 080
Montrose, 3.2 miles southwest of, 150 feet east of intersection of Grandview and Oak Grove avenues, 70 feet northeast of corner of fence, in ledge; aluminum tablet stamped "5948 1909" (Adopted elevation=Bulletin 486, page 78, value+0.3 foot) .....	5, 948. 193

## NATURITA QUADRANGLE.

[Latitude 38°-38° 30'; longitude 108° 30'-109°.]

From point east of Naturita along highway to Naturita. (Part of line from Sams in which error of 1 foot is distributed.)

Naturita, 3.3 miles north of, in Naturita Canyon, south of road, about 350 feet from where Naturita Creek makes its second big bend after leaving the forks of Nucla and Naturita Roads; top of rim rock, "5615" painted on rock.....	5, 614. 34
Naturita, 2.7 miles north of, 6 feet north of road, 50 feet east of pole 719, opposite old corral on south side of road, in top of flat rock 2 feet by 4 feet; chiseled square, "5525" painted on rock.....	5, 524. 16
Naturita, 2.3 miles north of, opposite pole 731, at Mr. McNutt's house; center of road, "5522" painted on pole.....	5, 521. 1

Naturita, 1.6 miles north of, 18 feet east of road, 90 feet from bridge over Naturita Creek, 186 feet from road forks, opposite pole 761, in foot of bank, in top of rock; chiseled square, "5465" painted on rock.....	Feet. 5,464.20
Naturita Creek; floor of bridge over, "5463" painted on railing to bridge..	5,462.1
Naturita Creek; surface of water June 27, 1914, 3.40 p. m.....	5,450.7
Naturita, 1.3 miles north of, 50 feet east of road, 40 feet east of telephone pole 770, at forks of road, on road south to Dry Creek Basin, in solid rock 18 feet by 6 feet; chiseled square, "5525" painted on rock.....	5,524.15
Naturita, 1.1 miles north of, on north side of road, where creek crosses road; highest point of rock 2.5 feet by 3 feet, "5455" painted on rock.....	5,453.53
Naturita, 0.7 mile east of, 36 feet north of road, on southeast corner of Naturita Hall; chiseled cross, "5460" painted on building.....	5,459.12
Naturita, 0.4 mile east of, opposite telephone pole 805; center of road, "5458" painted on rock on south side of road.....	5,457.1
Naturita, 0.3 mile east of; north end of bridge over gulch, "5423" painted on bridge.....	5,421.91
Naturita, near southwest corner of Williams's store; iron post stamped "5427" .....	5,426.071

**From Naturita north along highway to point near Nucla, thence southeast 4 miles.**

Naturita; east side of center of floor of bridge over San Miguel River, "5408" painted on east rail of bridge.....	5,406.7
San Miguel River; surface of water July 23, 1914, at 9.20 a. m.....	5,396.8
Naturita, 0.5 mile northeast of, north of house, on Naturita Hill, where a small drain crosses the road; point on south side of road, "5490" painted on rock.....	5,489.0
Naturita, 0.7 mile northeast of, on south side of road, about halfway up the Naturita Hill; highest point of a large conglomerate rock, "5591" painted on rock.....	5,589.7
Naturita, 1.3 miles northeast of, at top of Naturita Hill, in foot of north-west corner fence post of J. G. Swan's ranch; top of spike, "5699" painted on board nailed to the post.....	5,697.93
Naturita, 2 miles northeast of, 30 feet west of road, on divide between Naturita and Nucla, in foot of piñon tree; spike, "5786" painted on tree.	5,784.82
Nucla, 1.6 miles south of, 50 feet south of road, where telephone line joins the road on top of hill, in foot of telephone pole; top of spike, "5828" painted on pole.....	5,826.89
Nucla, 1.3 miles south of, on east side of road at road corner; foot of corner fence post, "5760" painted on post .....	5,759.0
Nucla, 1.1 miles south of, opposite the Morning Star ranch, opposite gates; center of road, "5736" painted on telephone pole.....	5,734.7
Nucla, 0.7 mile south of, where east-west drain crosses the road; west side of center of small bridge, "5720" painted on fence post.....	5,718.7
Nucla, 0.6 mile south of, in southwest corner of road crossing, in foot of telephone pole; spike, "5730" painted on pole.....	5,728.55
Nucla, 0.6 mile south of, in northeast corner of NW. $\frac{1}{4}$ sec. 8, T. 46 N., R. 15 W., in southwest corner of road crossing, in foot of telephone pole; top of spike, "5730" painted on corner fence post.....	5,728.55
T. 46 N., R. 15 W., in southwest corner of SW. $\frac{1}{4}$ sec. 4, at four corners, 25 feet east of north-south road, 25 feet north of east-west road, in foot of telephone pole; top of spike, "5774" painted on pole.....	5,773.10
T. 46 N., R. 15 W., in northwest corner of sec. 10, at road corner, 25 feet east of north-south road, 50 feet south of east-west road, in foot of telephone pole; top of spike, "5877" painted on pole.....	5,875.76

T. 46 N., R. 15 W., in northeast corner of sec. 16, 25 feet south of east-west road, 25 feet west of north-south road, in telephone pole, below surface; top of spike, "5820" painted on brace to corner fence post.....	Feet. 5,818.93
Brooks Hill, near top of, in southwest corner of NE. $\frac{1}{4}$ sec. 15, T. 46 N., R. 15 W., on north side of road, in top of solid rock; chiseled square, "5765" painted on rock.....	5,764.06

From Naturita northwest along highways to Bedrock, thence northeast to point 2.9 miles west of Club ranch.

Naturita, just west of Williams's store; center of north end of bridge over draw, "5419" painted on bridge.....	5,417.8
Naturita, 0.4 mile west of, about halfway between Naturita and Cooper's ranch, opposite pole 833; north end of bridge over ditch, "5446" painted on bridge.....	5,444.32
Naturita, 0.5 mile west of, at road forks just east of Cooper's ranch, opposite pole B 838, on south side of road; top of rock, "5449" painted on rock.....	5,447.68
Naturita, 0.6 mile west of, at Cooper's ranch, 12 feet south of road, in pole 844, underground; top of spike, "5450" painted on pole.....	5,448.78
Naturita, 1.1 miles west of, opposite telephone pole 863, also opposite large boulder on north side of road; center of road, "5455" painted on boulder.....	5,454.2
Naturita, 1.8 miles west of, 72 feet northwest of pole 884, 42 feet southeast of road, where road turns south to coke ovens, in top of solid rock; chiseled square, "5493" painted on rock.....	5,491.99
Naturita, 2.1 miles southwest of; north side of bridge over Dry Creek, "5365" painted on bridge chord.....	5,363.6
Dry Creek; surface of water July 1, 1914, at 2.45 p. m.....	5,351.6
Naturita, 2.2 miles southwest of, 102 feet west of road, opposite pole 896, where private road to Hutchins's ranch forks from the main road from Naturita to Bedrock, in top of solid rock 5 feet by 4 feet; chiseled square, "5376" painted on rock.....	5,374.92
Naturita, 2.8 miles southwest of, opposite large boulder on west side of road, opposite pole 920; center of road, "5413" painted on rock.....	5,412
Naturita, 3.1 miles southwest of, 12 feet east of road, opposite pole 927, in top of solid rock 5 feet by 4 feet; chiseled square, "5475" painted on rock.....	5,474.08
Naturita, 3.8 miles southwest of, at coke ovens of Standard Chemical Co.'s headquarters, on Dry Creek, 42 feet north of road, between poles 955 and 956, 456 feet east of office building, 18 feet east of northeast corner of mill site, in large solid rock; bronze tablet stamped "5483".....	5,481.885
Naturita, 3.9 miles southwest of, in front of Standard Chemical Co.'s office at coke ovens; northwest corner of top of cistern, "5482" painted on cistern.....	5,481.04
Naturita, 4 miles west of, 300 feet south of Standard Chemical Co.'s office building at coke ovens; west side of center of bridge over gulch, "5480" painted on west rail of bridge.....	5,479.23
Naturita, 4.9 miles west of, 16 feet north of road, where telephone line crosses road, in telephone pole C 991, underground; spike, "5580" painted on pole.....	5,578.67
Naturita, 5.5 miles west of, 12 feet north of road, opposite telephone pole 1011, where road starts through small grove of piñons, on east side of divide, in top of flat rock; chiseled square, "5686" painted on rock.....	5,684.92
Naturita, 6 miles west of, 6 feet south of road, opposite telephone pole 1024, on divide between East Paradox Creek and Dry Creek, on sandstone rock; painted circle, "5766" painted on rock.....	5,765.19



Naturita, 6.2 miles west of, 65 feet south of road, opposite telephone pole 1034, on a rocky point, in center of old roadway, on top of flat, solid rock; chiseled cross, "5791" painted on rock.....	Feet. 5, 789. 72
Naturita, 6.9 miles west of, opposite telephone pole 1053; northwest corner of bridge over gulch, "5774" painted on west end of bridge.....	5, 773. 2
Naturita, 7.2 miles west of, at road forks to Long Park, opposite telephone pole 1065; center of road, "5808" painted on fence post on south side of road.....	5, 807. 3
Naturita, 7.4 miles west of, on divide between East Paradox Creek and Dry Creek, 54 feet east of telephone pole 1071, 350 feet south of road, in solid rock; bronze tablet stamped "5830".....	5, 828. 966
Naturita, 8 miles west of, opposite telephone pole 1089; center of road, "5750" painted on fence post on north side of road.....	5, 748. 9
Naturita, 8.5 miles west of, 220 feet north of road, on point of ridge, in foot of telephone pole 1106; spike, "5747" painted on telephone pole.....	5, 746. 31
Naturita, 9.2 miles west of, 48 feet south of road, 1,135 feet east of road to Mr. Lindell's house, in foot of telephone pole 1129; top of spike, "5700" painted on pole.....	5, 698. 83
Naturita, 10 miles west of, 140 feet north of road, 12 feet east of north-south fence, in foot of telephone pole 1156; top of spike, "5599" painted on pole.....	5, 597. 67
Naturita, 10.2 miles west of, where road crosses East Paradox Creek, opposite telephone pole 1162; dry bottom of creek, "5583" painted on north side of bridge.....	5, 570. 9
Naturita, 11.5 miles west of, 54 feet south of road, 60 feet east of telephone pole 1209, about 0.25 mile east of road to Monogram mines belonging to Standard Chemical Co. in rock 5 feet by 8 feet; bronze tablet stamped "5558".....	5, 556. 529
Naturita, 11.9 miles west of, in front of small house belonging to the General Vanadium Co. of America, opposite telephone pole 1223; center of road, "5508" painted on north side of small house.....	5, 506. 9
Naturita, 12.4 miles west of, on north side of road, at private lane to house, in foot of mail-box post; top of spike, "5491" painted on post.....	5, 489. 90
Naturita, 13.3 miles west of, 36 feet north of road, on line to Monogram camp, in northeast corner of Mr. Sullivan's place, in foot of telephone pole; top of spike, "5448" painted on pole.....	5, 446. 86
Naturita, 14 miles west of, on top of ridge, on north-south fence line, opposite telephone pole 1285; center of road, "5446" painted on fence post...	5, 444. 6
Naturita, 14.7 miles west of, 25 feet north of road, in foot of telephone pole 1308; top of spike, "5424" painted on telephone pole.....	5, 423. 02
Naturita, 15.2 miles west of, on top of hill, 150 feet south of road, in foot of telephone pole 1323; top of spike, "5432" painted on pole.....	5, 431. 09
Naturita, 15.5 miles west of, 168 feet south of road, in foot of telephone pole 1335; top of spike, "5373" painted on pole.....	5, 372. 08
Tps. 46 and 47 N., Rs. 17 and 18 W., 2 feet north of township corner, 260 feet southeast of telephone pole 1349, opposite pole 1348, on north side of gulch, about 450 feet south of road, in rock 12 inches by 10 inches; bronze tablet stamped "5353", "5353" painted on pole 1349.....	5, 351. 760
Bedrock, 5.2 miles southeast of, opposite telephone pole 1367; center of south side of bridge over south fork of East Paradox Creek, "5229" painted on rail of bridge.....	5, 218
East Paradox Creek; bottom (dry).....	5, 210. 2

Bedrock, 4.9 miles southeast of, 25 feet north of road, where telephone line crosses road, in foot of telephone pole 1377; top of spike, "5191" painted on pole.....	Feet. 5, 189. 34
T. 47 N., R. 18 W., at quarter corner common to secs. 26 and 35, opposite telephone pole 1411, 85 feet south of road, in foot of corner fence post; spike, "5140" painted on post.....	5, 138. 40
Bedrock, 2.9 miles southeast of, 36 feet southwest of road, where road turns north on section line, opposite telephone pole 1445, in foot of corner fence post; top of spike, "5081" painted on post.....	5, 079. 62
Bedrock, 2.2 miles southeast of, 15 feet south of road, north of L. R. Carter's house, at foot of telephone pole 1467; surface of ground, "5047" painted on pole.....	5, 045. 6
Bedrock, 1.3 miles southeast of, 72 feet north of road, opposite telephone pole 1497, on top of rounded boulder; chiseled square, "5023" painted on rock.....	5, 021. 42
Bedrock, 0.7 mile southeast of, 6 feet south of road, 30 feet southeast of telephone pole 1519; top of rock, "4978" painted on rock.....	4, 976. 61
Bedrock, on northeast end of iron bridge over Dolores River, on coping to foundation; top of iron bolt, "4956" painted on bridge.....	4, 954. 61
Dolores River; surface of water July 13, 1914, 8 a. m.....	4, 944. 9
Dolores River; surface of water July 18, 1914.....	4, 945. 4
Bedrock, 25 feet south of road, opposite telephone pole 1542, 200 feet east of bridge over Dolores River, in top of solid rock 3.5 feet by 8.5 feet; bronze tablet stamped "4969", "4969" also painted on rock.....	4, 968. 264
Bedrock, 0.8 mile northeast of; U. S. Reclamation Service bench mark, "4957. 08".....	4, 955. 99
Bedrock, 1.2 miles east of, 50 feet north of house, on north side of small house, in beam; spike, "4957" painted on east side of house.....	4, 955. 40
Bedrock, 1.7 miles northeast of, on top of an isolated point in mouth of East Paradox Creek, in ground; foot of stake, "4961" painted on stake.....	4, 959. 5
Bedrock, 1.8 miles northeast of; U. S. Reclamation Service bench mark, "4954.04".....	4, 952. 87
Bedrock, 2 miles northeast of, on east side of road, 66 feet east of river, about 0.25 mile north of mouth of East Paradox Creek, in fence post; top of spike, "4958" painted on fence post.....	4, 957. 09
Bedrock, 3 miles northeast of; U. S. Reclamation Service bench mark, "4947. 94".....	4, 946. 73
Bedrock, 3.2 miles northeast of, the last house on the Dolores River before entering the canyon, back of cabin, in front of cellar; highest point of rock, "4945" painted on rock.....	4, 943. 37
Bedrock, 4.4 miles north of, 105 feet east of trail in mouth of Dolores Canyon, 300 feet east of Dolores River, in a cone-shaped boulder at foot of breaks, below east rim; bronze tablet stamped "4961," "4961" painted on rock.....	4, 960. 244
Bedrock, 5.5 miles north of, 25 feet west of trail, 30 feet south of drain, on east side of Dolores River, about 1 mile from mouth of canyon, in top of solid rock; chiseled square, "4940" painted on rock.....	4, 938. 93
Bedrock, 6.8 miles north of, 40 feet north of trail, on north side of Dolores River, in first big bend of canyon, where river runs nearly west, in top of large boulder; chiseled square, "4908" painted on rock.....	4, 906. 77
Bedrock, 7.2 miles north of, on east side of river, at point where trail crosses cliff, on south side of trail, west of gate, in large boulder; chiseled square, "4902" painted on rock.....	4, 901. 19

Bedrock, 8 miles north of, on east side of trail, in Dolores Canyon, in third big bend of river from south end of canyon, in top of large light sandstone boulder; chiseled square, "4888" painted on rock.....	Feet. 4, 886. 71
Bedrock, 8.6 miles north of, where creek from Saucer Basin empties into Dolores River, about 400 feet west of where trail starts up the east rim out of the Dolores Canyon, on south side of trail, in top of solid flat rock; chiseled square, "4883" painted on rock.....	4, 881. 80
Bedrock, 9.7 miles north of, 65 feet north of trail from Bedrock to Club ranch on San Miguel River, just south of prominent red sandstone point, at top of trail, on rim out of Dolores Canyon, in top of solid rock; bronze tablet stamped "5480," "5480" painted on rock.....	5, 478. 992
Club ranch on San Miguel River, 3.2 miles west of, 50 feet north of trail to Bedrock, southerly from the Dolores Mines owned by the Standard Chemical Co., in top of rim rock; chiseled square, "5134" painted on large boulder on north side of trail.....	5, 132. 42

**From Nucla northwest along highways to point 2.9 miles west of Club ranch.**

Nucla primary triangulation station, 145 feet west of road, 35 feet north of city reservoir on top of hill north of Nucla, in rock at foot of city flagstaff; bronze tablet stamped "5916".....	5, 914. 906
Nucla, 0.6 mile south of, in northeast corner of NW. $\frac{1}{4}$ sec. 8, T. 46 N., R. 15 W., in southwest corner of road crossing, in foot of telephone pole; top of spike, "5730" painted on corner fence post.....	5, 729. 40
Nucla, in lower sill on front between Nucla Pharmacy and Nucla Mercantile Co.; copper nail.....	5, 818. 81
Nucla, 150 feet west of main street, 50 feet west of west end of Town Hall, 430 feet south of triangulation station and flag pole, on top of hill north of Nucla, in solid sandstone surface rock; bronze tablet stamped "5863".	5, 862. 715
Nucla, 0.8 mile west of, 30 feet north of road, at T road south; highest point of rock, "5846" painted on fence.....	5, 845. 06
Nucla, 1 mile west of; north end of bridge.....	5, 811. 1
Nucla, 1.3 miles west of, 25 feet north of road, 12 feet east of gate (entrance to Cedar Ridge Cemetery), 6 feet west of fence corner, in foot of telephone pole; top of spike, "5764" painted on fence.....	5, 763. 12
Nucla, 1.7 miles west of, about 0.5 miles east of Frederick's ranch (Sunshine ranch), 200 feet southwest of small house with awnings, opposite telephone pole; center of road, "5743" painted on pole.....	5, 741. 5
Nucla, 2 miles west of, in northeast corner of crossroads at Sunshine ranch, 30 feet north of road, in foot of telephone pole; top of spike, "5719" painted on pole.....	5, 717. 78
Nucla, 2.2 miles west of, opposite gate of ranch just north of Sunshine ranch; center of road; "5735" painted on gate.....	5, 733. 7
Nucla, 2.6 miles west of, 42 feet north of road, where road crosses Tuttle Draw, in surface of large rock; chiseled square, "5629" painted on rock..	5, 628. 17
Nucla, 3 miles west of, where road crosses draw east of Schmahl's Point, on southwest corner of culvert; west end of culvert, "5672" painted on fence post on west side of road.....	5, 670. 78
Nucla, 3.2 miles west of, in northeast corner of NW. $\frac{1}{4}$ sec. 36, T. 47 N., R. 16 W., in northeast corner of Mr. Schmahl's ranch, in rock; bronze tablet stamped "5743," "5743" painted on corner fence post.....	5, 741. 725
Nucla, 3.5 miles west of, where road turns north 0.25 mile west of Mr. Schmahl's ranch, opposite telephone pole; center of road, "5697" painted on fence post.....	5, 695. 8

Nucla, 4 miles northwest of, 42 feet west of road, in foot of telephone pole in front of house; top of spike, "5760" painted on telephone pole.....	Feet. 5, 758. 25
Nucla, 4.3 miles northwest of, about 0.25 mile south of Rosedale ranch; west side of center of bridge over draw, "5750" painted on bridge.....	5, 749
Nucla, 4.5 miles northwest of, 30 feet north of road, 18 feet west of gate to Rosedale ranch, where road turns west, nailed to fence; west end of signboard, "5791" painted on signboard.....	5, 789. 82
Nucla, 5 miles northwest of, in southeast corner of road crossing, 126 feet northeast of Cedar Grove schoolhouse, in foot of telephone pole; top of spike, "5699" painted on pole.....	5, 698. 10
Nucla, 5.2 miles northwest of, 0.25 mile north of Cedar Grove schoolhouse, where irrigating ditch crosses road; top of southeast corner of head gate, "5727" painted on gate.....	5, 725. 48
Nucla, 5.7 miles northwest of, on north side of road, on west side of hill over which road passes, on opposite side of road from corner of fence; highest point of rock, "5717" painted on rock.....	5, 716. 1
Nucla, 6.4 miles northwest of, on west side of center of bridge over Coal Canyon; top of spike, "5494" painted on bridge.....	5, 492. 48
Nucla, 7.1 miles northwest of, 72 feet west of road, at top of hill out of Coal Canyon, on west side of canyon, in solid rock; bronze tablet stamped "5628," "5628" painted on rock and "P. B. M." on telephone pole on east side of road.....	5, 626. 862
Nucla, 7.9 miles northwest of, 20 feet west of road, at top of hill, in foot of corner fence post; top of spike, "5650" painted on post.....	5, 648. 50
Nucla, 8.5 miles northwest of, 120 feet west of road, 260 feet south of J. M. Patterson's house, in top of solid rock under rock ledge; chiseled square, "5561" painted on rock.....	5, 559. 46
Nucla, 9.9 miles northwest of, 18 feet north of road, in top of solid rock; chiseled square, "5742" painted on rock.....	5, 741. 14
Nucla, 10.5 miles northwest of, 12 feet south or road, in root of piñon tree on top of hill; top of spike "5819" painted on tree.....	5, 817. 87
Nucla, 11.8 miles northwest of, 48 feet south of road, 1.6 miles east of Tabeguache Hill, in solid rock in piñon grove; bronze tablet stamped "5898".....	5, 896. 430
Nucla, 12.6 miles northwest of, 12 feet north of road, on east side of gulch, about 0.8 mile east of Tabeguache Hill, in top of solid rock; chiseled square, "5893" painted on rock.....	5, 891. 64
Nucla, 13.1 miles northwest of, 0.25 mile east of Tabeguache Hill, where road goes over saddle, 55 feet west of telephone pole; ground, "5820" painted on pole.....	5, 818. 8
Nucla, 13.4 miles northwest of, 98 feet east of road, at top of Tabeguache Hill, in top of solid rock; chiseled square, "5772" painted on rock.....	5, 770. 49
Nucla, 14.4 miles northwest of, 50 feet north of road, on a rock rim at the top of first hill on Tabeguache Hill, 100 feet south of telephone line, in solid rock; bronze tablet stamped "5413," "5413" painted on rock 10 feet south of tablet.....	5, 411. 667
Ford Camp, 2.3 miles east of, on Tabeguache Hill, at bend in road, overlooking San Miguel River; center of road, "5302" painted on rim rock..	5, 300. 7
Ford Camp, 2.1 miles east of, at road bend; center of road, "5147" painted on rock on north side of road.....	5, 145. 9
Nucla, 15.3 miles northwest of, on southwest corner of bridge over Tabeguache Creek; top of bolt, "5028" painted on chord of bridge.....	5, 026. 99
Tabeguache Creek; surface of water August 3, 1914, at 2.10 p. m.....	5, 017. 2

Nucla, 15.7 miles northwest of, 18 feet south of road, 300 feet west of point where Tabeguache Creek empties into San Miguel River, in top of solid rock; chiseled square, "5036" painted on rock.....	Feet. 5, 034. 87
Nucla, 16.4 miles northwest of, 18 feet north of road, 18 feet southeast of telephone pole, where road leaves river bottom and runs close to foot of north slope, about halfway between Tabeguache Creek and Ford Camp, in top of solid rock; chiseled square, "4995" painted on rock, "U. S. B. M." painted on a rock 10 feet south of bench mark.....	° 4, 993. 11
Nucla, 17 miles northwest of, at Ford Camp belonging to Standard Chemical Co., of Pittsburgh, Pa., 36 feet north of road, about 200 feet north of stables and corral, in top of large sandstone rock; chiseled square, "4996" painted on rock.....	4, 994. 66
Club ranch, 1.2 miles east of, 30 feet south of road; north side of large boulder, "5021" painted on rock.....	5, 020
Club ranch on San Miguel River, 0.7 mile east of, 108 feet north of road, in top of solid rock; chiseled square, "5036" painted on rock.....	5, 034. 50
Club ranch on San Miguel River, 13 feet south of road, 300 feet northeast of Calhoun's house, in solid rock; bronze tablet stamped "5002," "5002" painted on rock.....	5, 000. 082
Club ranch on San Miguel River, 0.6 mile west of, at point where road crosses Atchison Creek; surface of water Aug. 4, 1914, 4.15 p. m., "4951" painted on brace to fence post on east side of creek.....	4, 949. 4
Club ranch on San Miguel River, 0.7 mile west of, 192 feet south of road, on northeast corner of burro bridge belonging to Standard Chemical Co., in top surface of foundation rock; chiseled square, "4936" painted on north rail post of east rail of bridge.....	4, 934. 15
San Miguel River; surface of water Aug. 14, 1914, at 10.30 a. m.....	4, 923
Club ranch on San Miguel River, 1.8 miles west of, 9 feet southeast of road, on rock ledge overhanging the river, opposite side of road from a prominent outcrop of Dakota sandstone; temporary bench mark, "5059" painted on sandstone on north side of road.....	5, 057. 34
Club ranch on San Miguel River, 2.4 miles west of, on south side of road to Dolores Mines, where small drain crosses road, 250 feet west of road fork, in flat rock; chiseled square, "5090" painted on rock.....	5, 088. 22
Club ranch on San Miguel River, 2.9 miles west of, 18 feet east of road, about 1 mile west of Dolores Camp, in top of large layer of sandstone; chiseled square, "5148" painted on rock.....	5, 146. 138

**From point west of Club ranch along highways to Mesa Creek (leveled twice), thence a single spur line to Uranium.**

Club ranch on San Miguel River, 4 miles west of, 145 feet east of road, where road rounds prominent point of red sandstone cliff, north of fork of San Miguel and Dolores rivers, in west edge of piñon grove, about 1.25 miles south of McMillan's camp, in solid rock 3 feet by 9 feet by 6 feet; bronze tablet stamped "5298".....	5, 297. 021
Club ranch on San Miguel River, 4.7 miles northwest of, 25 feet east of road, where road crosses drain from east, west of and below rim of Blue Bird Claim belonging to Standard Chemical Co., on surface of rock; painted square, "5172" painted on rock.....	5, 170. 62
Club ranch, 5.3 miles northwest of, on north side of road, in big bend, on west side of gulch from north; top of red sandstone, "5139" painted on sandstone.....	5, 138

Club ranch on San Miguel River, 5.5 miles northwest of, on east side of road at McMillan's camp, between two large boulders lying together on top of solid surface rock, on solid rock; chiseled square, "5143" painted on boulder.....	Feet. 5, 141. 82
Club ranch on San Miguel River, 6.1 miles northwest of, on north side of road, 72 feet north of gate and mail box marked Camp Dempster; highest point on boulder, "5052" painted on a large boulder.....	5, 050. 68
Mesa Creek, 2.7 miles south of, 6 feet west of road, 55 feet north of bridge, where road backs into drain from the east, below red sandstone, just northeast of swinging bridge; a mark, "4999" painted on cliff rock on opposite side of road.....	4, 997. 96
Mesa Creek, 2.2 miles south of, 35 feet south of road, just west of where road crosses old ditch, beside piñon tree; highest point of large flat rock, "4909" painted on rock.....	4, 907. 14
Mesa Creek, 1.1 miles south of, on south side of road, beside large piñon tree, in big bend of Dolores River, on red sandstone cliff on north side of road; chiseled square, "4796" painted on rock.....	4, 794. 35
Mesa Creek, on south side of, on east side of road, on north side of east-west fence where there is an outcrop of red-sandstone rock on the side hill, not far from old placer workings, just southeast of where Mesa Creek empties into Dolores River, on top of solid rock; chiseled square, "4817" painted on rock.....	4, 815. 70
Mesa Creek, 0.5 mile south of, 48 feet east of road, at foot of red-sandstone cliff, in solid rock 7 feet by 8 feet; bronze tablet stamped "4835".....	4, 833. 387
Mesa Creek, 0.4 mile northwest of, in northeast corner of west pier of swinging bridge over Dolores River; top of iron bolt, "4773" painted on cable support.....	4, 771. 88
Mesa Creek, 0.8 mile northwest of, 25 feet west of trail on west side of Dolores River, beside large boulder with smooth facing; top of split boulder, "4773" painted on large boulder.....	4, 771. 04
Mesa Creek, 1.3 miles northwest of, 8 feet east of trail, in second big bend of Dolores River below swinging bridge, just south of Lone Tree Mesa, in highest point of large boulder; chiseled square, "4765" painted on boulder.....	4, 763. 94
Rock Creek, where road or trail from mouth of Rock Creek to Uranium crosses Rock Creek, 300 feet southeast of B. Kling's ranch house; surface of water August 18, 1914, "4752" painted on small boulder on north side of creek.....	4, 750. 20
Rock Creek, 0.5 mile west of mouth of, about 600 feet east of B. Kling's ranch house, 200 feet south of ford, 18 feet south of road, just west of prominent red sandstone point or cliff, in top of large flat boulder; bronze tablet stamped "4765".....	4, 763. 670
Rock Creek, 1.6 miles southwest of mouth of, 7 feet east of trail, 250 feet east of Rock Creek, where trail from Kling's house to Uranium drops into creek bottom, about 1 mile from Kling's ranch, on solid rock; chiseled square, "4850" painted on rock.....	4, 848. 74
Kling's ranch on Rock Creek, 1.6 miles southwest of, on west side of trail, where creek traverses small canyon; highest point of rock, "4891" painted on rock.....	4, 889. 72
Uranium, 1.3 miles northeast of, 2.4 miles southwest of Kling's ranch on Rock Creek, on north side of road, in top of solid rock; chiseled square, "4972" painted on rock.....	4, 970. 18

Uranium, 60 feet west of road, on south side of trail from Uranium to Paradox, about 600 feet west of house belonging to A. Garvey, on west side of irrigating ditch, in sandstone rock; bronze tablet stamped "5140".... Feet. 5, 138. 505

**From Bedrock northwest along highways to point 2.7 miles north of Paradox (leveled twice).**

Bedrock, at Rader's store and post office, under center of porch; top of foundation rock, "4973" painted on porch.....	4, 971. 81
Bedrock, 0.4 mile northwest of post office, 25 feet south of road, opposite telephone pole 1579, about 200 feet south of house, in top of solid rock; chiseled square, "5023" painted on rock.....	5, 021. 70
T. 47 N., R. 19 W., in southeast corner of NW $\frac{1}{4}$ sec. 13, on north side of road, east of Knapp's house, 40 feet west of telephone pole 1637, 130 feet west of fence corner and north-south township line, in top of solid rock; chiseled square, "5092" painted on rock.....	5, 091. 20
Bedrock, 2.7 miles northwest of, 40 feet north of road, north of Shidler's place, in foot of telephone pole 1669; top of spike, "5133" painted on pole.....	5, 131. 44
Bedrock, 3.6 miles northwest of, 12 feet east of telephone pole 1712, 25 feet north of road, on south side of fence on C. A. Snyder's place, in rock 12 inches by 8 inches; bronze tablet stamped "5126".....	5, 125. 242
Bedrock, 4.2 miles northwest of, 60 feet north of road, in front of Mr. Williams's house, in telephone pole 1740; top of spike, "5159" painted on pole.....	5, 158. 44
T. 47 N., R. 19 W., in southwest corner of sec. 2, 6 feet north of road, just southeast of Mrs. Williams's house, in foot of telephone pole 1769; top of spike, "5189" painted on pole.....	5, 188. 31
Bedrock, 5.4 miles northwest of, between poles 1787 and 1788; east side of center of bridge over West Paradox Creek, "5196" painted on rail on bridge.....	5, 194. 4
West Paradox Creek; surface of water May 14, 1914, at 10.25 a. m.....	5, 184. 4
T. 47 N., R. 19 W., in northeast corner of sec. 3, on township line, 40 feet south of road, in foot of telephone pole 1813; top of spike, "5277" painted on pole.....	5, 275. 55
Paradox, 1 mile southeast of, between telephone poles 1821 and 1822; north side of center of bridge over gulch running south, "5273" painted on bridge.....	5, 271. 623
Paradox, 0.7 mile southeast of, opposite telephone pole A 1831; center of road, "5287" painted on pole.....	5, 285. 4
Paradox, just east of, opposite telephone pole 1844; road forks, "5283" painted on pole.....	5, 282
Paradox, 60 feet east of store, 6 feet north of telephone pole 1857, in rock; bronze tablet stamped "5311," "5311" painted on pole.....	5, 310. 209
Paradox, 0.2 mile north of; center of road forks, "5321" painted on telephone pole.....	5, 319. 4
Paradox, 0.4 mile north of, in center of road, on top of section-corner rock; chiseled square, "5320" painted on telephone pole on west side of road..	5, 319. 28
Paradox, 0.8 mile north of, at Paradox school, 55 feet west of road; northeast corner of porch, "5381" painted on fence board.....	5, 380. 21
Paradox, 1.2 miles north of, where road leaves section line and turns northwest; east side of center of bridge over irrigation ditch, "5414" painted on bridge.....	5, 412. 9
Paradox, 1.5 miles north of, 90 feet west of road to Frank Talbert's ranch, in foot of corner fence post; top of spike, "5432" painted on post.....	5, 431. 03

Paradox, 2.1 miles north of, 200 feet southeast of shack, opposite fence corner, 50 feet east of a lone pine tree; center of road, "5496" painted on fence post. ....	Feet. 5,494.6
Paradox, 1.8 miles north of, south of Andy Talbert's ranch; west side of center of bridge over irrigation ditch, "5477" painted on bridge. ....	5,476.1
Paradox, 2.8 miles north of, 0.3 mile west of Uranium road, opposite water trough at Frank Talbert's house; center of road, "5567" painted on small house. ....	5,565.4
Paradox, 2.7 miles north of, at junction of road from Paradox to Talbert's ranch with trail to Uranium, about 0.5 mile east of Frank Talbert's ranch, 100 feet east of Winkfield's house, in solid rock; bronze tablet stamped "5588," "5588" painted on rock. ....	5,586.389
<b>Creede, Del Norte, Engineer Mountain, Needle Mountains, Rico, and Silverton 15' quadrangles, and San Cristobal 30' quadrangle.</b>	

**DOLORES, HINSDALE, LA PLATA, MINERAL, OURAY, AND SAN JUAN COUNTIES.**

The elevations in the following list are based upon heights of bench marks at Montrose, Colo., established by precise leveling of the United States Geological Survey, and at Albuquerque, N. Mex., established by precise leveling of the Coast and Geodetic Survey, the connection being made by a primary-level net.

The leveling in the Creede quadrangle was done in 1904 by J. E. Chapson; in 1913 by H. B. Edwards and C. C. Holder; that in the San Cristobal quadrangle in 1899 by T. Winsor, in 1904 by Chapson, and in 1913 by Holder; that in the Silverton quadrangle in 1899 by Winsor and in 1901 by Chester Irvine; that in the Needle Mountains quadrangle in 1898 by T. Winsor and in 1900 by J. P. Darling; that in the Engineer Mountain quadrangle in 1896 by C. W. Beach, in 1897 by A. L. Fellows, and in 1898 by Winsor; and that in the Rico quadrangle in 1898 by Winsor.

The considerable error in stamped elevations is due to the assumed datums upon which the field work was done.

**CREEDE QUADRANGLE.**

[Latitude 37° 30'–38°; longitude 106° 30'–107°.]

**From point 3 miles northeast of Antelope northeast to Lower Creede.**

Antelope Springs, 6 miles northeast of, 20 feet east of road, 100 feet south of forks of road, 650 feet north of southeast corner of pasture; iron post stamped "8762 Ouray" .....	Feet. 8,758.280
Fivemile Bridge, 1.6 miles east of, 150 feet west of junction of Silverton and Sunnyside roads, 100 feet east of bridge over irrigating ditch, 60 feet north of road; iron post stamped "8682 Ouray" .....	8,678.420
Lower Creede, south part of town, 80 feet east of Denver & Rio Grande R. R. track, 150 feet north of section house, 120 feet west of Main Street; iron post stamped "8780 Ouray" .....	8,775.762

**From point 2 miles north of Lime Creek northeast to Lower Creede.**

Sevenmile Bridge, 1 mile northeast of, 30 feet north west of road, in 6 by 4 by 3 foot bowlder; aluminum tablet stamped "8759 Ouray" .....	8,755.32
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Lower Creede, 3.2 miles south of, 100 feet south of side grade of Denver & Rio Grande R. R. bridge, 100 feet east of wire fence, 20 feet southeast of road; iron post stamped "8708 Ouray" .....	Feet. 8,704. 227
Lower Creede, in old Maben Bank building, near south entrance; aluminum tablet stamped "8854 Ouray" .....	8,850. 140

**From Lower Creede via Bachelor, Park Regent mine, Phoenix Park, and East Willow Creek to Lower Creede.**

Lower Creede, 1.2 miles northwest of, 100 yards north of switchback, 70 feet west of road, in 4 by 4 by 2 foot bowlder; aluminum tablet stamped "9812 Ouray" .....	9,808. 693
Bachelor, east side of principal street, 40 feet north of town well; iron post stamped "10531 Ouray" .....	10,528. 037
Park Regent mine, 100 yards southeast of, 30 feet west of road, in bowlder; aluminum tablet stamped "10454 Ouray" .....	10,450. 996
Park Regent mine, 1.1 miles east of, 900 feet north of east branch of West Willow Creek, at old sawmill site, 20 feet east of road, in 4 by 2 by 2 foot bowlder; aluminum tablet stamped "10260 Ouray" .....	10,256. 803
Campbell Ridge, summit of, between East and West Willow creeks, in ledge with dead bearing tree north of road; aluminum tablet stamped "10601 Ouray" .....	10,598. 099
Phoenix Park, in south part of, 200 feet southeast of cabin, 150 feet west of road up East Willow Creek; iron post stamped "9709 Ouray" .....	9,705. 890
Mollie S. mine, 60 feet south of tram house, 20 feet east of East Willow Creek, 12 feet east of road, in 8 by 8 by 4 foot bowlder; aluminum tablet stamped "9160 Ouray" .....	9,156. 748

**From Creede along Denver & Rio Grande R. R. southeast to South Fork, thence east to Granger (double rodged).**

Lower Creede, 3.2 miles south of, 100 feet south of side grade of Denver & Rio Grande R. R. bridge, 100 feet east of wire fence, 20 feet southeast of road; iron post stamped "8708 Ouray" .....	8,704. 227
Wagon Wheel Gap station, 6.21 miles northwest of, 800 feet south of junction of wire and pole fences, three-fourths mile west of junction of "old stage" and Creede roads, in root of large spruce tree; copper nail. ....	8,693. 395
Wagon Wheel Gap station, 4.94 miles northwest of, large bowlder 500 feet south of railroad, 700 feet east of old cabin, 20 feet south of Creede road, 700 feet north of junction of Creede and "old stage" roads, on top of rock; chiseled square marked "U. S. T. B. M. 8567.1" .....	8,567. 130
Wagon Wheel Gap station, 3.4 miles northwest of, 1½ miles east of intersection of Creede and "old stage" roads, 50 feet south of Denver & Rio Grande R. R., 200 feet west of second crossing of Creede road and Denver & Rio Grande R. R. from Creede, in large bowlder; bronze tablet stamped "8511" .....	8,511. 635
Wagon Wheel Gap station, 2.09 miles northwest of, 900 feet west of cattle guard on Denver & Rio Grande R. R., 70 feet north of railroad, in telephone pole, 2 feet above ground; railroad spike, marked "U. S. T. B. M. 8480" .....	8,480. 284
Wagon Wheel Gap station, 1 mile northwest of, three-fourths mile west of railroad bridge, 200 feet south of public-road bridge, 40 feet west of railroad crossing, in sill of cattle guard on railroad; copper nail, painted "8456" .....	8,456. 466

Wagon Wheel Gap, 1,500 feet northwest of station, 80 feet west of railroad, 1,500 feet southeast of gap, 750 feet northeast of crossing of railroad and road to Creede, in bowlder; bronze tablet stamped "8447" .....	Feet. 8, 448. 566
Wagon Wheel Gap station, 0.80 mile southeast of, 7 feet north of railroad, 2,700 feet down track from section house on north side of railroad; point of rock.....	8, 424. 426
Wagon Wheel Gap station, 2.71 miles southeast of, 800 feet southeast of railroad bridge over Blue Creek, north side of track, in tie; copper nail and washer, painted "8391" .....	8, 391. 953
Wagon Wheel Gap station, 2.97 miles southeast of, on north side of track, 1,000 feet northwest of milepost 309, in bowlder; bronze tablet stamped "8374" .....	8, 375. 671
Wagon Wheel Gap, 4.09 miles southeast of, 450 feet northwest of milepost 308, north side of track, in tie; copper nail and washer, painted "8352" .....	8, 352. 783
South Fork, 8.95 miles northwest of, in milepost 307; railroad spike painted "8337" .....	8, 338. 488
South Fork, 8.11 miles northwest of, 1,000 feet southeast of railroad bridge, 100 feet northwest of wagon-road bridge, in crossing sign at road crossing; railroad spike painted "8316" .....	8, 317. 156
South Fork, 6.87 miles northwest of, 700 feet south of milepost 305, 1,000 feet west of private bridge over Rio Grande, at Haney's ranch, south side of railroad, in large bowlder; bronze tablet stamped "8321" .....	8, 321. 699
South Fork, 5.89 miles northwest of, at milepost 304, in north end of railroad tie; copper nail and washer, painted "8302" .....	8, 303. 040
South Fork, 4.89 miles northwest of, in milepost 303; railroad spike painted "8279" .....	8, 280. 513
South Fork, 3.85 miles northwest of, 1,800 feet west of Gathbreath's ranch, 200 feet east of milepost 302, 10 feet south of railroad, in side of cliff; aluminum tablet stamped "8243" .....	8, 244. 531
South Fork, 2.90 miles northwest of, milepost 301, 10 feet south of railroad, in post, 1 foot above ground; railroad spike painted "U. S. T. B. M. 8233" .....	8, 234. 254
South Fork, 1.88 miles northwest of, opposite milepost 300, in tie; copper nail and washer, painted "8216" .....	8, 216. 797
South Fork, 1.26 miles northwest of, 200 feet west of crossing, 20 feet south of railroad, in crossing signpost, 1 foot above ground; railroad spike painted "8189" .....	8, 190. 734
South Fork, 600 feet west of station, in foundation of Denver & Rio Grande R. R. water tank, west end of second beam; bronze tablet stamped "8184" .....	8, 184. 786
South Fork, 0.94 mile east of, in railroad-crossing signpost, 18 inches above ground; railroad spike painted "8160" .....	8, 161. 196
South Fork, 1.32 miles east of, in signal for crossing; spike painted "8149" .....	8, 150. 530
South Fork, 2½ miles east of, 410 feet east of milepost 296, 80 feet south of railroad, in bowlder; bronze tablet stamped "8135" .....	8, 136. 104
South Fork, 3.18 miles east of, track in milepost 295; spike painted "8123" .....	8, 124. 309
South Fork, 4.20 miles east of, milepost 294, 1 foot above ground; railroad spike painted "U. S. T. B. M. 8112" .....	8, 113. 558
South Fork, in milepost 293, 1 foot from ground; railroad spike painted "U. S. T. B. M. 8088" .....	8, 088. 643
Granger, 80 feet from railroad crossing, 30 feet east of dirt road, 20 feet southeast of bridge across big ditch, in rock 2.5 feet in length set 2 feet in ground; bronze tablet stamped "8080" .....	8, 081. 281

From point 10 miles above mouth of West Fork northwest to top of divide between Piedra River and Little Red Mountain Creek and 1.6 miles north of it. (An excessive error is distributed in this line.)

Pagosa Springs, 22.6 miles northeast of, 40 feet south of trail, on low bank at fork of river, in root of 8-inch spruce tree; spike marked "8639" . . . .	Feet. 8, 638. 27
Pagosa Springs, 23.3 miles northeast of, 80 feet south of trail, 160 feet east of hot springs, 60 feet north of San Juan River, in large boulder 4.5 feet above ground; bronze tablet stamped "9040" . . . . .	9, 039. 225
Pagosa Springs, 24.4 miles northeast of, 10 feet south of trail, on top of spur ridge, in large rock boulder, 6 inches above ground; bronze tablet stamped "10040" . . . . .	10, 039. 867
Pagosa Springs, 25.3 miles northeast of, 10 feet west of trail, north of double slide, in root of 16-inch spruce tree; nail marked "10214" . . . . .	10, 214. 20
Pagosa Springs, 26.9 miles northeast of, 10 feet east of trail, foot of steep ascent, in root of 12-inch spruce tree; spike marked "10915" . . . . .	10, 915. 38
Pagosa Springs, 27.4 miles northeast of, 20 feet south of trail, in small park 0.25 mile west of trail crossing small creek from north, in top of boulder; bronze tablet stamped "11187" . . . . .	11, 186. 681
Pagosa Springs, 28.6 miles northeast of, on top of first rocky point north of divide between San Juan River and Piedra River, 80 feet north of trail in solid rock; bronze tablet stamped "11970" . . . . .	11, 970. 356
Top of divide at trail crossing, 1.1 miles north of, 200 feet east of low divide between Piedra River and Little Red Mountain Creek, 100 feet east of trail; spike in root of spruce tree 12 inches in diameter, marked "11448" . . . . .	11, 448. 14
Top of divide at trail crossing, 1.6 miles north of, 60 feet south of miner's cabin, 20 feet south of trail; spike in root of 16-inch spruce tree, marked "11123" . . . . .	11, 122. 33

#### DEL NORTE QUADRANGLE.

[Latitude 37° 30'-38°; longitude 106°-106° 30'.]

From Granger east along Denver & Rio Grande R. R. (double-rodged line).

Granger, 1 mile east of, in milepost 291, 15 inches from ground; railroad spike painted "U. S. T. B. M. 8050" . . . . .	8, 051. 048
Granger, 2.02 miles east of, 10 feet west of milepost 290 in boulder; bronze tablet stamped "8018" . . . . .	8, 019. 287
Granger, 3.06 miles east of, 300 feet east of milepost 289, west end of Hannels switch, in second beam from west of cattle guard; copper nail and washer, painted "7998 U. S. T. B. M." . . . . .	7, 998. 606
Granger, 4.03 miles east of, north side of railroad, in milepost 288, 1 foot from ground; railroad spike painted "7981" . . . . .	7, 981. 043
Granger, 5.26 miles east of, 800 feet southeast of milepost 287, 200 feet south of railroad, 150 feet north of Creede-Del Norte road, at base of prominent rocky point, in rock; bronze tablet stamped "7955" . . . . .	7, 955. 821
Granger, 6.16 miles east of, in west beam of second bridge east of milepost 286, 300 feet north of Joe Holls's house; copper bolt and washer, painted "7946" . . . . .	7, 946. 914
Del Norte, 2.14 miles west of, north side of track, in milepost 285, 1 foot from ground; railroad spike painted "7915" . . . . .	7, 916. 069
Del Norte, 1.75 miles west of, 2,050 feet east of milepost 285, in cattle guard; copper bolt and washer, painted "U. S. T. B. M. 7912" . . . . .	7, 912. 179
Del Norte, 1.04 miles west of station, on north side of road, in first sill of cattle guard; copper nail and washer, painted "7898" . . . . .	7, 898. 169
Del Norte, at railroad station, in north side at west end of cement platform; bronze tablet stamped "7876" . . . . .	7, 876. 017

## SAN CRISTOBAL QUADRANGLE.

[Latitude 37° 30'–38°; longitude 107°–107° 30'.]

From Lake San Cristobal southwest along road up Gunnison River (Lake Fork)  
to Sherman, thence northwest to Whitecross.

Lake San Cristobal, 45 feet north of north end of, 40 feet east of road, 600 feet northeast of Golden Fleece tunnel; iron post stamped "9000 Ouray".	Feet. 8, 996. 053
Lake San Cristobal, 0.25 mile southwest of south end, 10 feet west of State road, in trachyte boulder 4 by 1 by 3 feet; aluminum tablet stamped "9021 Ouray".....	9, 017. 131
Lake San Cristobal, 3.5 miles southwest of south end, 30 feet east of junction of State road and road to Clawson's ranch, 30 feet south of small stream, in top of outcropping syenite boulder; aluminum tablet stamped "9180 Ouray".....	9, 176. 003
Wager Gulch, mouth of, on Gunnison River, 0.3 mile south of Capt. Hall's house, 15 feet south of junction of Silverton and Carson City roads, 200 feet south of river, in front of log cabin; iron post stamped "9350 Ouray".	9, 345. 703
Sherman, in east end of town, 200 feet south of where State road starts up mountain side; iron post stamped "9552 Ouray".....	9, 548. 236
Sherman, 3.5 miles northwest of, 300 feet north of river, 10 feet south of road, in ledge; aluminum tablet stamped "10270 Ouray".....	10, 267. 124
Whitecross, 1.5 miles east of, 100 feet east of Cooper Creek, at Argentum, in boulder 3 by 3 feet by 6 inches; aluminum tablet stamped "10564 Ouray".....	10, 560. 159
Whitecross, 10 feet south of road, 150 feet north of creek, 650 feet northeast of La Belle power house; iron post stamped "10754 Ouray".....	10, 750. 839

## From Gunnison River south through Carson to Rio Grande.

Carson Pass, 2.3 miles north of, in iron bed flats, 400 feet south of placer diggings, 6 feet west of road, in boulder; aluminum tablet stamped "11273 Ouray".....	11, 270. 337
Carson Pass, summit of, 75 feet west of road; iron post stamped "12360 Ouray".....	12, 357. 781
Carson Pass, 3.5 miles south of, 200 feet above and 650 feet east of Lost Trail Creek, where trail leaves pack and enters spruce timber, 5 feet east of trail, in boulder 5 by 1 by 3 feet; aluminum tablet stamped "11224 Ouray".....	11, 220. 803
Carson Pass, 6.2 miles south of, 500 feet south of junction of East and West Lost Trail creeks, 5 feet west of trail, in 4 by 4 by 1 foot boulder; aluminum tablet stamped "10307 Ouray".....	10, 303. 682

## Down Rio Grande east to Antelope Springs.

Point Burwell, 0.3 mile northwest of, 50 feet southeast of old log cabin, 25 feet south of road, in top of large rock; aluminum tablet stamped "9486 Dur".....	9, 493. 608
Point Burwell, 0.05 mile northwest of, in grassy flat, near large post marked "Point Burwell," 30 feet north of wagon road; iron post stamped "9479 Ouray".....	9, 475. 234
Point Burwell, 3.3 miles southeast of, at base of steep slope, 75 feet north of road at point where Rio Grande makes a sweep in bend, on bench of rock ledge; aluminum tablet stamped "9384 Dur" (old bench mark).....	9, 391. 687
Point Burwell, 4.1 miles south of, 100 yards south of log cabin, 200 yards north of Rio Grande ford, 50 feet west of base of bluff, 20 feet east of road, in grassy flat; iron post stamped "9386 Ouray".....	9, 382. 079

Weminuche Creek, 2.1 miles east of, 80 feet north of road, 50 feet south of river, in grassy park, in 5 by 5 by 4 foot boulder; aluminum tablet stamped "9321 Ouray".....	Feet. 9, 317. 073
Two Lakes Creek, 1.8 miles west of, 500 feet east of head of long park, 150 feet east of old chimney of burned cabin; iron post stamped "9441 Ouray".....	9, 438. 031
Two Lakes Creek, 1.1 miles southeast of, in long park, 25 feet east of road, in boulder 8 by 6 by 4 feet; aluminum tablet stamped "9275 Ouray" ..	9, 271. 556
Antelope Park, west edge of, 300 yards west of buildings on San Juan ranch, 50 feet north of northwest corner of ranch fence, 30 feet north of road; iron post stamped "9039 Ouray".....	9, 035. 498
Antelope Park, 150 feet southeast of Brown's ranch, 40 feet north of road; iron post stamped "9001 Ouray".....	8, 997. 374
Antelope Park, 20 yards west of old stage station, 20 feet south of low cliff of rocks, 2.2 feet north of road; iron post stamped "8938 Ouray".....	8, 933. 900
Soward ranch, 0.2 mile north of Rio Grande, 20 feet east of road, at ranch road to house; iron post stamped "8928 Ouray".....	8, 924. 608
Antelope Springs, 50 feet north of; iron post stamped "8960 Ouray"....	8, 956. 718

**From Antelope Springs northwest along road via Lake Santa Maria, Clear Creek, Cebolla Pass, and Slumgullion Gulch to Lake San Cristobal.**

Lake Santa Maria, 0.7 mile east of, 25 feet south of road, near highest point of Santa Maria Pass, in boulder 3 by 1 by 3 feet; aluminum tablet stamped "9695 Ouray".....	9, 691. 938
Lake Santa Maria, on contour line as surveyed by Equitable Life Insurance Co. for reservoir, near the company's station XXII; iron post stamped "9475 Ouray".....	9, 471. 388
Boulder Creek dam, 300 feet west of, 0.2 mile west of old Lakeman fish-pond, 30 feet south of road, in 15 by 10 by 4 foot boulder; aluminum tablet stamped "9705 Ouray".....	9, 702. 886
Clear Creek falls, 0.1 mile southwest of, 12 feet south of road; iron post stamped "10052 Ouray".....	10, 048. 783
Clear Creek crossing, 2 miles north of, 650 feet west of Big Spring Gulch Creek, 40 feet west of road, in boulder 8 by 5 by 3 feet; aluminum tablet stamped "10344 Ouray".....	10, 340. 853
Continental Divide, summit of, between Big Spring Gulch and Cebolla Creek, 50 feet east of road, 30 feet east of Lakeman ditch; iron post stamped "10901 Ouray".....	10, 897. 789
Cebolla Creek, 450 feet southwest of southwest branch, 15 feet east of road, in 4 by 2 by 1 foot boulder; aluminum tablet stamped "10394 Ouray".....	10, 390. 854
Slumgullion Pass, 2.5 miles south of, 20 feet south of corduroy roads, in 4 by 4 by 2 foot blue boulder; aluminum tablet stamped "11124 Ouray" ..	11, 120. 712
Slumgullion Pass, 0.5 mile west of, in Slumgullion Gulch, 100 feet south of road, at white dump from old tunnel, 30 feet east of sawdust pile at old mill site, in boulder; aluminum tablet stamped "11005 Ouray" (1909 value from Montrose=11,001.654 feet).....	11, 002. 004
Slumgullion Pass, 3.1 miles west of, 8 feet southwest of road in elbow of switchback, in 3 by 2 by 2 foot granite rock; aluminum tablet stamped "9762 Ouray".....	9, 758. 112

**From Antelope Springs northeast 3 miles along road toward Lower Creede.**

Antelope Springs, 3 miles east of, 40 feet southeast of road, 350 yards southwest of side grade by river, in large triangular boulder 4 by 4 by 4 feet; aluminum tablet stamped "8863 Ouray".....	8, 859. 385
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From Soward ranch along roads south of Rio Grande to point 2 miles north of Lime Creek.

Lime Creek, 450 feet west of, 900 feet south of river at great bend, 0.3 mile southeast of Kansas clubhouse, 1 mile northeast of Soward's house, at junction with road south, river pass; iron post stamped "8912 Ouray".....	Feet. 8, 908. 050
Lime Creek, 2 miles north of, 20 feet west of road, in 4 by 4 by 3 foot boulder; aluminum tablet stamped "8930 Ouray".....	8, 926. 718

From Lost Trail Creek east along trail down Clear Creek to Clear Creek Falls.

Rube Harris's ranch house, 0.2 mile northwest of, 200 yards southwest of small reservoir, 15 feet north of trail, in 4 by 4 by 2 foot boulder; aluminum tablet stamped "10417 Ouray".....	10, 413. 656
Swanks Lake, 50 yards northeast of north end of dam, 12 feet southeast of road; iron post stamped "10331 Ouray".....	10, 327. 578
Swanks ranch, 1.2 miles northeast of house, 65 feet north of junction of roads to Creede and Lake City; iron post stamped "10287 Ouray".....	10, 283. 284
Swanks ranch, 4.1 miles northeast of, 300 feet southeast of gorge, 20 feet north of road, 40 feet south of Clear Creek; iron post stamped "10211 Ouray".....	10, 207. 639
Swanks ranch, 6.1 miles east of, 100 feet south of junction of road with spur from Horse Thief trail, 600 feet east of creek, 600 feet northeast of rocky butte; iron post stamped "10143 Ouray".....	10, 139. 158
Clear Creek crossing, 0.4 mile northwest of, 100 feet west of irrigating ditch, 20 feet west of road, in 2 by 2 by 1 foot boulder with mound of rock alongside; aluminum tablet stamped "10065 Ouray".....	10, 061. 724

From Clear Creek crossing above falls south along road to San Juan ranch.

Divide between South Clear Creek and Rio Grande, 100 yards north of, 50 feet east of road, in 10 by 6 by 4 foot boulder; aluminum tablet stamped "9530 Ouray".....	9, 526. 815
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From forks of road to Emerald Lakes north to Point Burwell.

Los Pinos River, 0.2 mile southwest of mouth of Falls Creek, 12 miles northeast of Graham's ranch, southeast of trail, in front of 8-inch spruce tree, about 400 feet west of high waterfall on side of mountain, in top of pink granite boulder; bronze tablet stamped "8700 Dur".....	8, 707. 075
Flint Fork, 0.25 mile south of mouth of, on east side of trail, near summit of steep ascent on south side of Flint Fork Canyon, in top of large granite boulder; bronze tablet stamped "9323 Dur".....	9, 330. 223
Flint Fork, 2.75 miles northeast of mouth of, southeast of trail near clump of spruce trees, about 100 feet northeast of small mountain stream, in top of granite boulder; bronze tablet stamped "9904 Dur".....	9, 910. 183
Weminuche Pass, 4 miles southwest of, on east side of and nearly level with trail, in top of granite boulder; bronze tablet stamped "10050 Dur".....	10, 057. 487
Weminuche Pass, 9 feet east of trail, 150 feet south of summit of Continental Divide, in top of sandstone boulder; aluminum tablet stamped "10622 Dur".....	10, 629. 274
Weminuche Pass, 1.8 miles northeast of, 10 feet northeast of small creek, 60 feet southwest of blazed twin spruce tree on southeast side of trail, in triangular boulder; aluminum tablet stamped "10336 Dur".....	10, 343. 376

## From mouth of Lost Trail Creek west up Rio Grande to Pole Creek.

Point Burwell, 3 miles northwest of, 8 feet south of, and nearly level with road on side of hill, in top of sandstone rock; aluminum tablet stamped "9916 Dur".....	Feet. 9, 923. 563
Timber Hill, 1.5 miles east of, 45 feet north of road near cow camp at base of hill, 2 feet above ground, in southwest face of large wedge-shaped rock 12 feet high; aluminum tablet stamped "9989 Dur".....	9, 996. 499
Timber Hill, 1.7 miles northwest of, on edge of rocky mound, east side of road, 120 feet north of Pole Creek, in top of boulder; aluminum tablet stamped "10486 Dur".....	10, 493. 258

From point near divide north along highway down Little Red Mountain Creek to Rio Grande.<sup>1</sup>

Top of divide at trail crossing, 2.8 miles north of, 10 feet north of old road, 15 feet northeast of road crossing, small creek from north, 150 feet north of Little Red Mountain Creek, west end of park, in large granite boulder; bronze tablet stamped "10717".....	10, 716. 655
Top of divide at trail crossing, 5 miles north of, 20 feet west of old road, north of large park along Little Red Mountain Creek, in low hills, in solid rock; bronze tablet stamped "10161".....	10, 160. 342
Top of divide at trail crossing, 6.1 miles north of, 20 feet west of old road, 200 feet east of Little Red Mountain Creek, north end of park; top of boulder, marked "9794".....	9, 793. 62
Creede, 19 miles southwest of, 100 feet north of Stream's house, 50 feet west of road, 100 feet west of lake; top of boulder, marked "9629".....	9, 628. 52
Creede, 17.9 miles southwest of, 5 feet east of road, 400 feet northeast of old cabin, 40 feet west of Little Red Mountain Creek, in large boulder; bronze tablet stamped "9401".....	9, 399. 697
Creede, 15.7 miles southwest of, 30 feet west of road, 150 feet east of creek crossing, at fork of creek; top of boulder, marked "9202".....	9. 201. 17
Creede, 13.6 miles southwest of, 100 feet south of fork of Little Red Mountain trail with road on east side of Rio Grande, in large boulder; bronze tablet stamped "8933".....	8, 931. 368
Creede, 13.1 miles southwest of, 20 feet south of crossroads; iron post stamped "8912 Ouray".....	8, 908. 050

## From Rio Grande west 1 mile up Bear Creek.

Beartown, 3 miles northeast of, 200 feet northeast of spring branch, 1 foot north of road, in boulder; bronze tablet stamped "10623 Dur".....	10, 629. 775
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## SILVERTON QUADRANGLE.

[Latitude 37° 45'-38°; longitude 107° 30'-107° 45'.]

## From tollgate south of Ouray east via Bear Creek to American Flat.

Ouray, 5.9 miles southeast of, 150 feet south of Bear Creek trail at southwest corner of main cabin at Camp Snyder, in boulder; bronze tablet stamped "10839 Ouray".....	10, 837. 388
Ouray, 8.5 miles southeast of, 40 feet south of trail at crossing of range, head of Bear Creek and west of American Flat, in boulder; bronze tablet stamped "12630 Ouray".....	12, 629. 098

An excessive error is distributed in this line.

From point near Timber Hill northwest along road to Howardsville, thence southwest to Silverton and south to Molas Lake.

Stony Pass, 2.5 miles southeast of, on north side of road, 50 feet east of trail, 170 feet east of sharp bend in road, in top of bowlder; bronze tablet stamped "11473 Dur".....	Feet. 11, 478. 489
Stony Pass, summit of, 15 feet northeast of road, in top of flat rock; aluminum tablet stamped "12594 Dur".....	12, 599. 105
Howardsville, 1.7 miles southeast of, on south side of road, 150 feet east of junction with road running south up Cunningham Gulch, in top of large rock; bronze tablet stamped "10096 Dur".....	10, 101. 509
Howardsville, 400 feet south of post office, on south side of road at forks, 100 feet south of bridge over Cunningham Creek, in top of bowlder; aluminum tablet stamped "9670 Dur".....	9, 675. 305
Silverton, 2.3 miles northeast of, on south side of public road, 15 feet north of track, 120 feet east of road crossing, about 400 feet northeast of E. G. Stoiler's residence, on top of quartz bowlder; aluminum tablet stamped "9431 Dur".....	9, 436. 102
Silverton, in southeast corner of Grand Hotel block, 2.5 feet above sidewalk, at northwest corner of Greene and Twelfth streets; aluminum tablet stamped "9302 Dur".....	9, 306. 934
Silverton, at northwest corner of section house on opposite side of track from Denver & Rio Grande R. R. station; iron post stamped "9270 Dur".....	9, 275. 165

#### NEEDLE MOUNTAINS QUADRANGLE.

[Latitude 37° 30'–37° 45'; longitude 107° 30'–107° 45'.]

From point 2 miles north of fish hatchery north up Vallecito Creek, over divide, and down Bear Creek to its mouth.

Quartz mill, 0.5 mile north of, 90 feet north of prospect dump on trail and 150 feet south of junction of two branches of Vallecito Creek, in top of point of rock jutting into creek; aluminum tablet stamped "8426 Dur".....	8, 432. 978
Quartz mill, 3.7 miles northeast of, 300 feet south of creek crossing, foot of hill on west side of creek, 3 feet left of trail, in bowlder; aluminum tablet stamped "8869 Dur".....	8, 875. 700
Johnson Creek, 75 feet south of, 250 feet west of its junction with Vallecito Creek, in granite bowlder; aluminum tablet stamped "9166 Dur".....	9, 173. 428
Vallecito Creek, west side of, 3 miles northeast of mouth of Johnson Creek, 15 feet west of spring branch, 20 feet east of trail at foot of hill; aluminum tablet stamped "9578 Dur".....	9, 585. 035
Vallecito Creek, west side of, 7.5 miles north of mouth of Johnson Creek, 5 feet west of trail near forks of creek, in large rock; aluminum tablet stamped "10995 Dur".....	11, 002. 095
Hunchback Mountain Pass, summit of, 125 feet northwest of stone monument, 100 feet from west crest of divide; bronze tablet stamped "12487 Dur".....	12, 494. 154
Beartown, lower end of, 125 feet southwest of two lower cabins on north side of road, in bowlder on rocky point; bronze tablet stamped "11157 Dur".....	11, 163. 384

From Vallecito Creek west up Johnson Creek 3.5 miles (single spur line).

Johnson and Vallecito creeks, 3.5 miles above junction of, 200 feet south of cabin, in bowlder 30 feet from trail; bronze tablet stamped "11077 Dur".....	11, 084. 422
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## From point 3 miles northeast of Coal Bank Hill northeast to Molas Lake.

Molas Lake, 2.5 miles southwest of, on west side of road, 1,000 feet south of summit of hill, in top of limestone boulder 8 feet in diameter; aluminum tablet stamped "10790 Dur".....	Feet. 10,797.401
Molas Lake, 100 feet north of log house on southeast side of Silverton and Cascade toll road, in top of embedded granite boulder; bronze tablet stamped "10506 Dur".....	10,513.937

## From point near Molas Lake south along Denver &amp; Rio Grande R. R. (Silverton branch) to point 7 miles north of Rockwood.

Milepost D 491, 10 feet west of, on top of granite boulder 5 feet east of track; chiseled cross.....	9,023.21
Elk Park, 1 mile north of, 350 feet north of milepost D 490, 20 feet east of track at curve, in top of flat boulder; aluminum tablet stamped "8924 Dur".....	8,931.103
Elk Park, in front of signboard; top of rail.....	8,875.4
Elk Park, 2 miles south of, 26 feet west of track, opposite milepost D 487, in granite outcrop; aluminum tablet stamped "8750 Dur".....	8,757.797
Needleton, 3 miles north of, 19 feet west of and 4.5 feet below track, 200 feet south of milepost D 484, in top of granite ledge; aluminum tablet stamped "8430 Dur".....	8,437.256
Milepost D 482, 50 feet northwest of, 7 feet east of track, on granite ledge; chiseled cross.....	8,230.78
Needleton, 0.25 mile north of, 6 feet west of track, in outcropping rock; aluminum tablet stamped "8142 Dur".....	8,149.531
Needleton, in front of platform; top of rail.....	8,134.5
Needleton, 3 miles southwest of, 9 feet west of track, opposite milepost D 478, in top of granite ledge; aluminum tablet stamped "7846 Dur".....	7,853.802

## ENGINEER MOUNTAIN QUADRANGLE.

[Latitude 37° 30'-37° 45'; longitude 107° 45'-108°.]

## From Rockwood north along Denver &amp; Rio Grande R. R. 7 miles.

Rockwood, 7.4 miles north of, 2.1 miles south of Cascade siding, east side of canyon of Animas River, 3 feet above Denver & Rio Grande R. R. (Silverton branch) and 10 feet from center of track, 800 feet north of milepost D 475, in face of granite bluff; copper bolt stamped "U. S. G. S. 7587 B. M.".....	7,595.065
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## From Rockwood north along wagon road to point 3 miles northeast of Coal Bank Hill.

Rockwood, 5.8 miles north of, opposite north end of low limestone butte, 12 feet west of road about two-thirds way up steep hill, 25 feet southeast of blazed quaking aspen and 520 feet south of fence corner (east side), on limestone boulder 2 feet by 1 foot; chiseled circle.....	8,610.52
Rockwood, 7.6 miles north of, 30 feet west of road, in fence corner, 375 feet south of Elbert Creek, 80 feet southeast of T. Mahon's "Butter ranch"; iron post stamped "8795 Dur".....	8,802.806
Columbine Lake; surface of water.....	8,795.7
Rockwood, 9.5 miles north of, 0.2 mile south of main road forks, 15 feet east of road, 100 feet southwest of small pond, on sandstone boulder 2.5 by 4 feet; chiseled square.....	8,834.438

Cascade Creek bridge, 45 feet north of north end of, 20 feet west of center of road, in granite rock 3 by 4 feet; copper bolt stamped "8721 Dur"....	Feet. 8, 728. 067
Cascade Creek bridge, 5 miles north of, 8 feet north of road, 14 feet west of 24-inch spruce stump, 75 feet south of summit of Coal Bank Hill, in diamond-faced limestone rock, 3 by 3 feet; copper bolt stamped "U. S. G. S. 10654 B. M." .....	10, 661. 468
Coal Bank Hill, 2.8 miles northeast of, on north side of road, 40 feet northeast of bridge over small creek, at point where road makes a horseshoe bend, in top of embedded limestone boulder; bronze tablet stamped "9642 Dur" .....	9, 649. 831

**From West ranch on Rockwood-Silverton road west to Hermosa Park, thence south down Hermosa Creek to South Fork.**

Road forks to Hermosa Park and Silverton, 0.4 mile northwest of, at top of first hill, 25 feet north of road, 3 feet from north edge of outcrop, on flat sandstone ledge; chiseled square .....	8, 972. 82
West ranch, 2 miles northwest of, at summit in road between Hermosa Park and Rockwood-Silverton wagon road, 10 feet south of 12-inch spruce tree, in 2 by 2 foot sandstone boulder; copper bolt stamped "9805 Dur" .....	9, 812. 457
Hermosa Park, 1 mile east of, 12 feet south of center of road, 300 feet west of foot of steep rocky hill, in red sandstone ledge 7 by 7 feet and 2 feet above ground; copper bolt stamped "8898 Dur" .....	8, 905. 936
Hermosa Park, center of, 50 feet southwest of bridge over Hermosa Creek, at top of west bank, 0.5 mile north of junction of east fork; iron post stamped "8807 Dur" .....	8, 814. 696
Hermosa Park, 1.4 miles south of, 30 feet east of trail at top of high bluff over Hermosa Creek, on sandstone boulder 2.5 by 2.5 feet; chiseled square .....	8, 809. 62
Hermosa Park, 6.4 miles south of, 50 feet northeast by north of 16-inch fir tree, 80 feet west of 20-inch dead fir near knoll in park, 10 feet west of trail, 50 feet east of creek, 45 feet south of 12-inch spruce tree, in round red sandstone boulder 3 feet in diameter; copper bolt stamped "8219 Dur" .....	8, 227. 134
Hermosa Park, 10.5 miles south of, at mouth of south fork of Hermosa Creek, near east wall of canyon, 150 feet east of cook cabin at tie camp, 250 feet east of stream forks, 25 feet west by north of 8-inch pine tree and 30 feet southeast of 15-inch spruce tree east of trail, in sandstone boulder 2 by 4 feet and 3 feet above ground; copper bolt stamped "7700 Dur" ..	7, 707. 562

**From Hermosa Park north and west to Scotch Creek and down creek to point near Rico.**

Hermosa Park, 1.8 miles north of, 40 feet south of 24-inch spruce tree at mouth of west fork of Hermosa Creek, in white sandstone rock; bronze tablet stamped "8986 Dur" .....	8, 993. 409
Hermosa Park, 5.25 miles northwest of, 15 feet southwest of road, at summit of divide between Hermosa Creek and Dolores River; iron post stamped "10413 Dur" .....	10, 420. 269
Rico, 6.25 miles southeast of, on north side of road, 300 feet west of where road crosses to north branch of Scotch Creek, in top of red sandstone outcrop; bronze tablet stamped "9247 Dur" .....	9, 254. 635

**RICO QUADRANGLE.**

[Latitude 37° 30'-37° 45'; longitude 108°-108° 15'.]

**Down Scotch Creek to Rico.**

Rico, 3 miles south of, on north side of road, 150 feet east of forks of road to Durango, in top of conglomerate boulder; aluminum tablet stamped "8538 Dur" .....	Feet. 8, 545. 705
Rico, 1 mile south of, at forks of road, 150 feet south of south side of cemetery, on granite boulder; chiseled cross.....	8, 723. 49
Rico, at south side of main entrance to courthouse, in top of west end of balustrade; aluminum tablet stamped "8824 Dur" .....	8, 831. 715
Rico, 50 feet south of Rio Grande Southern R. R. station, near northeast corner of small park; iron post stamped "8714 Dur" .....	8, 721. 525

**From Rico west to summit of Expectation Mountain.**

Expectation Mountain, summit of, 20 feet northeast of triangulation station, in top of 15 by 15 inch embedded granite boulder; bronze tablet stamped "12065 Dur".....	12, 072. 923
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**Del Norte, Hooper, La Jara, Saguache, and Silesia Peak quadrangles.****COSTILLA, CONEJOS, RIO GRANDE, AND SAGUACHE COUNTIES.**

The elevations in the following list were determined by primary leveling and accord with the 1912 adjustment of precise leveling. They are dependent on an elevation at Del Norte determined by a double-rodged line from Creede. Orthometric corrections have been applied. These corrections are in addition to those necessary to close circuits, and they lower elevations at the northern limits of this work 0.5 foot with respect to those at its most southern point.

The leveling was done in Del Norte quadrangle, in 1914, by J. R. Ellis and R. W. Burchard; in Hooper and La Jara quadrangles, in 1914, by Ellis, Burchard, and R. R. Monbeck; and in Saguache and Silesia Peak quadrangles, in 1914, by Burchard.

**DEL NORTE QUADRANGLE.**

[Latitude 37° 30'-38°; longitude 106°-106° 30'.]

**From Del Norte southeast along Denver & Rio Grande R. R. to point 2 miles east of Parma.**

	Feet.
Del Norte, 0.5 mile east of, at private-road crossing; rail.....	7, 868. 7
Rio Grande, 100 feet west of milepost 282; surface of water September 7, 1914.....	7, 854
Milepost 282, about 500 feet east of, in top of cottonwood stump; copper nail .....	7, 860. 85
Del Norte, 1.5 miles east of, at road crossing; north rail.....	7, 856. 5
Milepost 281, in south face of; spike.....	7, 848. 30
Milepost 280, 0.25 mile west of, at private-road crossing; north rail.....	7, 837. 2
Milepost 280, opposite, 45 feet south of center of Denver & Rio Grande R.R., in stone post 8 by 6 by 30 inches set 27 inches in ground; bronze tablet (not reported stamped).....	7, 829. 710
Milepost 279, in south face of warning board; spike.....	7, 809. 01
Rio Grande, under wagon bridge at milepost 279; surface of water September 9, 1914.....	7, 797. 2

	Feet.
Milepost 279, 0.7 mile east of, at private-road crossing; north rail.....	7, 791. 5
Milepost 278, at road crossing, in south face of milepost; spike.....	7, 783. 67
Private-road crossing; north rail.....	7, 782. 2
Milepost 278, 0.5 mile east of, at private-road crossing; north rail.....	7, 775. 4
Milepost 277, on south side of Denver & Rio Grande R. R., opposite, on stone; bronze tablet (not reported stamped).....	7, 773. 837
Milepost 277, about 0.5 mile east of, at road crossing; north rail.....	7, 761
Bridge 276 A; surface of creek under.....	7, 754
Milepost 276, in south face of; spike.....	7, 753
Haywood station, just north of, at road crossing; north rail.....	7, 754. 4
Milepost 275, in south face of; spike.....	7, 736. 16
Milepost 275, 0.5 mile east of, at private-road crossing; south rail.....	7, 732. 8
Milepost 274, under bridge at; surface of large canal.....	7, 718. 1
Milepost 274, opposite, on south side of Denver & Rio Grande R. R., in stone post 8 by 8 by 28 inches, set 25 inches in ground; bronze tablet stamped "7722".....	7, 721. 655
Spur, at road crossing just west of; north rail.....	7, 713. 5
Milepost 273, in south face of; spike.....	7, 707. 69
Milepost 273, 0.3 mile east of, at private-road crossing; south rail.....	7, 704. 1
Bridge 272 A; surface of large ditch under.....	7, 689. 2
Milepost 272, in south face of; spike.....	7, 688. 21
Milepost 272, 0.25 mile east of, at second-class road crossing; south rail....	7, 686. 2
Milepost 271, opposite, on south side of Denver & Rio Grande R. R., in stone post 7 by 10 by 30 inches set 27 inches in ground; bronze tablet stamped "7676".....	7, 676. 568
Bridge 270 A; surface of creek under.....	7, 668. 5
Milepost 270, 0.25 mile west of, at road crossing; north rail.....	7, 672
Milepost 270, on bridge 269 B; bolthead.....	7, 666. 63
Milepost 270, 0.25 mile east of, at private-road crossing; north rail.....	7, 663. 7
Monte Vista flour mill, at street crossing; north rail.....	7, 662. 9
Monte Vista station, in front of telegraph window, in concrete platform; bronze tablet stamped "7660".....	7, 659. 988
Monte Vista station, in front of; south rail.....	7, 659. 9
Monte Vista station, 0.25 mile east of, at road crossing; north rail.....	7, 657. 7
Monte Vista station, 0.5 mile east of, at road crossing; north rail.....	7, 655. 7
Monte Vista Standard Oil plant, at road crossing just east of; north rail...	7, 653. 5
Milepost 268, in south face of; spike.....	7, 650. 78
Milepost 267, in south face of; spike.....	7, 641. 74
Milepost 267, 0.5 mile east of, at private-road crossing; north rail.....	7, 638. 1
Zinzer station, opposite milepost 266, on south side of Denver & Rio Grande R. R., in concrete post; bronze tablet stamped "7634".....	7, 633. 687
Zinzer station, at road crossing; north rail.....	7, 634
Milepost 265, 0.25 mile west of, at private-road crossing; north rail.....	7, 628. 8
Milepost 265, in south face of; spike.....	7, 625. 70
Milepost 265, 0.25 mile east of; road crossing.....	7, 624. 07
Milepost 264, 0.25 mile west of, under bridge; surface of large canal.....	7, 617. 3
Milepost 264, in south face of; spike.....	7, 616. 91
Milepost 264, 0.3 mile east of, at private-road crossing; north rail.....	7, 615. 4
Milepost 263, opposite, on south side of Denver & Rio Grande R. R., in concrete post; bronze tablet stamped "7612".....	7, 611. 797
Parma station, at road crossing; north rail.....	7, 606. 8
Milepost 262, in south face of; spike.....	7, 604. 62
Milepost 261, in south face of; spike.....	7, 596. 95

From point 8 miles east of Center along highways to Center, thence south to Monte Vista.

Tps. 40 and 41 N., R. 9 E., corner of secs. 31, 32, 5, and 6, in northwest corner of crossroads, in top of brace to corner fence post; copper nail, painted "7598.8"	Feet: 7, 598.79
Tps. 40 and 41 N., Rs. 8 and 9 E., township corner, northwest corner of crossroads, in concrete post in fence corner; bronze tablet stamped "7607"	7, 606.885
Tps. 40 and 41 N., R. 8 E., corner of secs. 35, 36, 1, and 2, northeast corner of crossroads, in top of brace to corner fence post; copper nail, painted "7617.1"	7, 617.11
Tps. 40 and 41 N., R. 8 E., corner of secs. 34, 35, 2, and 3, southeast corner of crossroads, in top of brace to corner fence post; copper nail, painted "7626.9"	7, 626.91
Tps. 40 and 41 N., R. 8 E., corner of secs. 33, 34, 3, and 4, southeast corner of crossroads, in top of brace to corner fence post; copper nail, painted "7635.5"	7, 635.52
Center, 0.5 mile southeast of, at road crossing, on San Luis Central R. R.; east rail, painted "7639.9"	7, 639.93
Center, in southwest corner of public-school yard, in concrete post; bronze tablet stamped "7641"	7, 641.159
Center, 0.3 mile southwest of, in wooden bridge over canal, in north side of floor, under rail; copper nail, painted "7645.4"	7, 645.43
Tps. 40 and 41 N., R. 8 E., 200 feet west of corner of secs. 31, 32, 5, and 6, north side of road, in top of brace to corner fence post; copper nail, painted "7658.3"	7, 658.29
Tps. 40 and 41 N., Rs. 7 and 8 E., township corner, at junction of county road and "Gunbarrel" road, northwest corner of crossroads, in concrete post; bronze tablet stamped "7668"	7, 668.237
T. 40 N., Rs. 7 and 8 E., corner of secs. 1, 6, 7, and 12, southwest corner of crossroads, in top of brace to corner fence post; copper nail, painted "7674.0"	7, 674
T. 40 N., Rs. 7 and 8 E., corner of secs. 12, 7, 18, and 13, southwest of crossroads, in top of brace to corner fence post; copper nail, painted "7679.7"	7, 679.69
T. 40 N., Rs. 7 and 8 E., corner of secs. 13, 18, 19, and 24, southeast corner of crossroads, in concrete post; bronze tablet stamped "7679"	7, 679.403
T. 40 N., Rs. 7 and 8 E., corner of secs. 24, 19, 30, and 25, northwest corner of crossroads, in top of corner fence post; copper nail, painted "7683.2"	7, 683.25
T. 40 N., Rs. 7 and 8 E., corner of secs. 25, 30, 31, and 36, northeast corner of crossroads, in top of brace to corner fence post; copper nail, painted "7684.3"	7, 684.38
Tps. 39 and 40 N., Rs. 7 and 8 E., township corner, southeast fence corner, in concrete post; bronze tablet stamped "7683"	7, 682.697
T. 39 N., Rs. 7 and 8 E., corner of secs. 1, 6, 7, and 12, at northeast corner of crossroads, in top of post; copper nail, painted "7683.1"	7, 683.14
T. 39 N., Rs. 7 and 8 E., corner of secs. 12, 7, 18, and 13, northwest corner of crossroads; in top of corner fence post; copper nail, painted "7679.8"	7, 679.86
T. 39 N., Rs. 7 and 8 E., corner of secs. 13, 18, 19, and 24, southwest corner of crossroads, in concrete post in fence corner; bronze tablet stamped "7672"	7, 671.890
Monte Vista, 2.1 miles north of, bridge across Rio Grande, in top of pier, south end, west side; painted "0," painted "7665.5"	7, 665.55

Monte Vista, 2.1 miles north of, Rio Grande; surface of water, Oct. 8 to 14, 1914.....	Feet. 7, 659. 1
T. 39 N., Rs. 7 and 8 E., quarter corner between secs. 25 and 30, southwest corner of crossroads, in top of brace to corner fence post; copper nail, painted "7662.0".....	7, 662. 11
Monte Vista, at depot, in front of telegraph office, in concrete platform; bronze tablet stamped "7660" .....	7, 659. 988

**From Center along highway west 7 miles, thence southwest to Del Norte.**

Tps. 40 and 41 N., Rs. 7 and 8 E., township corner, northwest corner of crossroads, in concrete post; bronze tablet stamped "7668".....	7, 668. 237
"Farmers Union" main canal, bridge across, in top of northwest pier; copper nail, painted "7675.6".....	7, 675. 59
Tps. 40 and 41 N., R. 7 E., corner of secs. 35, 36, 1, and 2, 130 feet southwest of section corner, in top of brace to corner fence post; copper nail, painted "7683.5".....	7, 683. 54
Tps. 40 and 41 N., R. 7 E., corner of secs. 34, 35, 2, and 3, north side of road, in top of brace to corner fence post; copper nail, painted "7695.9".....	7, 695. 98
Tps. 40 and 41 N., R. 7 E., corner of secs. 33, 34, 3, and 4, northeast corner of crossroads at fence corner, in concrete post; bronze tablet stamped "7711".....	7, 711
Tps. 40 and 41 N., R. 7 E., corner of secs. 32, 33, 4, and 5, at road crossing, in top of pier of wooden bridge across canal lateral, north end, east side; copper nail, painted "7727.0".....	7, 727. 03
Tps. 40 and 41 N., R. 7 E., corner of secs. 31, 32, 5, and 6, north side of road, in top of corner fence post; copper nail, painted "7744.9".....	7, 744. 94
Tps. 40 and 41 N., Rs. 6 and 7 E., 50 feet southeast of township corner, 30 feet south of road, in concrete post; bronze tablet stamped "7758".....	7, 757. 664
Tps. 40 and 41 N., R. 6 E., 200 feet north of corner of secs. 35, 36, 1, and 2, bridge across main canal "Travelers," in top of floor, south side; copper nail, painted "7771.3".....	7, 771. 36
Del Norte, 6.1 miles north of, in top of milepost 6 along Travelers Canal; copper nail, painted "7787.8".....	7, 787. 86
Del Norte, 5.25 miles north of, 60 feet west of road, at intake gate of lateral, in top of upright; copper nail, painted "7804.7".....	7, 804. 75
Del Norte, 4.5 miles north of, east side of road, 150 feet east of canal, in concrete post in fence corner; bronze tablet stamped "7816".....	7, 816. 063
Del Norte, 4 miles north of, along Travelers Canal, west side of road, in top of milepost 4; copper nail, painted "7828.3".....	7, 828. 34
Del Norte, 2.3 miles north of, in northwest corner of yard surrounding Rock School house, east side of road, at fence corner, in concrete post; bronze tablet stamped "7854".....	7, 854
Del Norte, 1.9 miles north of, south end of east side of wooden bridge across east branch of Travelers Canal, in top of stringer; copper nail, painted "7869.2".....	7, 869. 30
Del Norte, 1 mile north of, at junction of Center and Saguache stage roads, southeast corner of crossroads, in top of brace to corner fence post; copper nail, painted "7884.4".....	7, 884. 51
Del Norte, 0.5 mile north of, middle of bridge across Rio Grande, on top of sandstone pier, west side; circle, painted "7877.3".....	7, 877. 44
Del Norte, northwest corner of depot, in concrete platform; bronze tablet stamped "7876".....	7, 876. 017

From Center north along highway to Veteran School, thence east 6 miles, thence north 2 miles, thence east 1 mile.

Tps. 40 and 41 N., Rs. 7 and 8 E., township corner, northwest corner of crossroads, in fence corner, in concrete post; bronze tablet stamped "7668"	Feet. 7, 668. 237
T. 41 N., Rs. 7 and 8 E., corner of secs. 25, 30, 31, and 36, southeast corner of crossroads, in top of brace to corner fence post; copper nail, painted "7665.2"	7, 665. 17
T. 41 N., Rs. 7 and 8 E., corner of secs. 24, 19, 30, and 25, northeast corner of crossroads, in top of brace to corner fence post; copper nail, painted "7657.5"	7, 657. 45
T. 41 N., Rs. 7 and 8 E., corner of secs. 13, 18, 19, and 24, southeast corner of crossroads, in concrete post at fence corner; bronze tablet stamped "7650"	7, 649. 729
T. 41 N., Rs. 7 and 8 E., corner of secs. 12, 7, 18, and 13, northwest corner of crossroads, in top of brace to corner fence post; copper nail, painted "7644.4"	7, 644. 41
T. 41 N., Rs. 7 and 8 E., corner of secs. 1, 6, 7, and 12, northeast corner of crossroads, in top of brace to corner fence post; copper nail, painted "7638.3"	7, 638. 33
Tps. 41 and 42 N., Rs. 7 and 8 E., corner of township, southeast corner of crossroads, in concrete post at fence corner; bronze tablet stamped "7631"	7, 630. 935
T. 42 N., Rs. 7 and 8 E., corner of secs. 25, 30, 31, and 36, west side of road, in top of brace to post; copper nail, painted "7623.9"	7, 623. 85
T. 42 N., Rs. 7 and 8 E., corner of secs. 24, 19, 30, and 25, southwest corner of crossroads, in base of corner fence post; copper nail, painted "7617.6"	7, 617. 54
T. 42 N., Rs. 7 and 8 E., corner of secs. 13, 18, 19, and 24, west side of road, in base of brace to corner fence post; copper nail, painted "7610.5"	7, 610. 42
T. 42 N., Rs. 7 and 8 E., corner of secs. 12, 7, 18, and 13, at Veteran School, southeast corner of crossroads, in concrete post at fence corner; bronze tablet stamped "7606"	7, 606. 311
T. 42 N., R. 8 E., corner of secs. 7, 8, 17, and 18, north side of road, in top of brace to corner fence post; copper nail, painted "7597.9"	7, 597. 49
T. 42 N., R. 8 E., corner of secs. 8, 9, 16, and 17, north side of road, in top of corner fence post; copper nail, painted "7594.8"	7, 594. 76
T. 42 N., R. 8 E., corner of secs. 9, 10, 15, and 16, southwest corner of crossroads, in top of brace to corner fence post; copper nail, painted "7584.8"	7, 584. 75
T. 42 N., R. 8 E., 30 feet southwest of corner of secs. 10, 11, 14, and 15, south side of road, in concrete post on fenceline; bronze tablet stamped "7577"	7, 577. 394
T. 42 N., R. 8 E., corner of secs. 11, 12, 13, and 14, south side of road, in top of brace to corner fence post; copper nail, painted "7571.8"	7, 571. 74
T. 42 N., Rs. 8 and 9 E., corner of secs. 12, 7, 18, and 13, southeast corner of crossroads, in top of brace to corner fence post; copper nail, painted "7566.6"	7, 566. 60
T. 42 N., Rs. 8 and 9 E., corner of secs. 1, 6, 7, and 12, west side of road, in top of brace to corner fence post; copper nail, painted "7564.9"	7, 564. 86
Tps. 42 and 43 N., Rs. 8 and 9 E., 40 feet southeast of township corner, in concrete post; bronze tablet stamped "7559"	7, 558. 981
Tps. 42 and 43 N., R. 9 E., corner of secs. 31, 32, 5, and 6, south side of road, in base of corner fence post; iron nail, painted "7556.8"	7, 556. 77

**From Veteran School north along highway to Swede Corners.**

	Feet.
Saguache, 14.8 miles south of, at Veteran School, southeast corner of crossroads, in concrete post; bronze tablet stamped "7606".....	7, 606. 311
Saguache, 13.8 miles south of, northwest corner of crossroads, in base of corner fence post; iron nail, painted "7598.3".....	7, 598. 43
Saguache, 12.8 miles south of, northeast corner of crossroads, in base of corner fence post; iron nail, painted "7593.3".....	7, 593. 39
Saguache, 11.7 miles south of, at bend of road around Russell Springs, east side of road, in concrete post in fence corner; bronze tablet stamped "7590".....	7, 589. 940
Saguache, 11.2 miles south of, west side of road, in top of brace to corner fence post; copper nail, painted "7595.6".....	7, 595. 62
Saguache, 10.2 miles south of, southeast corner of road at bend, in top of brace to corner fence post; copper nail, painted "7593.3".....	7, 593. 35
Saguache, 9.5 miles south of, northeast corner of crossroads, in top of brace to corner fence post; copper nail, painted "7600".....	7, 600. 12
Saguache, 8.5 miles south of, southeast corner of crossroads, in top of brace to corner fence post; copper nail, painted "7617.5".....	7, 617. 54
Saguache, 7.5 miles south of, at Swede Corners, northeast corner of crossroads, Gunbarrel-Moffat roads, in concrete post at fence corner; bronze tablet stamped "7641".....	7, 641. 129

**HOOPEE QUADRANGLE.**

[Latitude 37° 30'–38°; longitude 105° 30'–106°.]

**From point 2 miles southeast of Parma to point 4 miles southeast of Parma.**

Milepost 260, on south side of Denver & Rio Grande R. R. opposite, in concrete post; bronze tablet stamped "7588".....	7, 587. 631
Milepost 259, in north face of; spike.....	7, 579. 92
Spur, at switch block to; north rail.....	7, 580. 3
Milepost 258, in north face of; spike.....	7, 574. 67

**From point 3 miles north of Washington Springs north along highway 3 miles, thence west to McGinty, thence south 3 miles.**

Washington Springs, 3.8 miles north of, corner of secs. 26, 27, 34, and 35, T. 38 N., R. 11 E., southeast corner of crossroads, 900 feet west of house, beside fence corner, in concrete post; bronze tablet stamped "7525"...	7, 525. 173
T. 38 N., R. 11 E., 4.8 miles north of Washington Springs, corner of secs. 22, 23, 26, and 27, 200 feet east of crossroads, in foot of brace to corner post; painted "7525.1".....	7, 525. 11
Culvert over drainage ditch, southwest corner of, on top of stake; painted cross.....	7, 527. 4
T. 38 N., R. 11 E., corner of secs. 14, 15, 22, and 23, on Wells's ranch, 150 feet southeast of house, 20 feet west of road, in top of fence corner post; copper t. b. m., painted "7527.8".....	7, 527. 82
T. 38 N., R. 11 E., corner of secs. 10, 11, 14, and 15, northwest corner of crossroads, at fence corner, in concrete post; bronze tablet stamped "7526".....	7, 526. 527
McGinty station, 5 miles east of, south side of road, at corner of secs. 9, 10, 15, and 16, in top of brace to corner fence post; copper nail, painted "7529.5".....	7, 529. 74
McGinty station, 4 miles east of, at corner of secs. 8, 9, 16, and 17, north side of road, in base of corner fence post; railroad spike, painted "7535.6"....	7, 535. 83



McGinty station, 3 miles east of, 100 feet west of corner of secs. 7, 8, 17, and 18, south side of road, in concrete post on fence line; bronze tablet stamped "7537" .....	Feet- 7, 537. 133
McGinty station, 2 miles east of, southeast corner of road crossing, at corner of secs. 7, 12, 13, and 18, in base of corner fence post; spike, painted "7539.8" .....	7, 540. 03
McGinty station, 1 mile east of, northwest corner of crossroads, at corner of secs. 11, 12, 13, and 14, in base of corner fence post; spike, painted "7544.4" .....	7, 544. 57
Alamosa, 5.6 miles north of, at McGinty station, T. 38 N., R. 10 E., corner of secs. 10, 11, 14, and 15, 200 feet southeast of schoolhouse, 50 feet west of track, southeast corner of crossroads, 5 feet east of fence corner, in concrete post; bronze tablet stamped "7549" .....	7, 548. 741
Alamosa, 4.7 miles north of, Denver & Rio Grande R. R., 15 feet west of track, 600 feet east of road, 1,000 feet northeast of house, in base of milepost 295; spike, painted "7549.2" .....	7, 549. 38
Road crossing; top of rail .....	7, 550
Bridge 295 B over drainage ditch; top of rail .....	7, 550. 2
Alamosa, 3.7 miles north of, 15 feet west of track, in top of milepost 296; copper t. b. m., painted "7552.1" .....	7, 552. 32
Alamosa, 3.5 miles north of, T. 38 N., R. 10 E., corner of secs. 22, 23, 26, and 27, 700 feet west of Denver & Rio Grande R. R. track, 200 feet south of culvert over drainage ditch, northwest corner of crossroads at fence corner, in concrete post; bronze tablet stamped "7548" .....	7, 547. 947
Alamosa, 2.5 miles north of, on Blanca farm, 200 feet southwest of house, 30 feet west of road, in top of stub of pine post; copper t. b. m., painted "7545.3" .....	7, 545. 48
Alamosa, 1.5 miles north of, Tps. 37 and 38 N., R. 10 E., corner of secs. 34, 35, 2, and 3, northeast corner of crossroads, 10 feet west of drainage ditch, in middle of brace to corner post; copper t. b. m., painted "7545.0" .....	7, 545. 21
Alamosa, 0.5 mile north of, T. 37 N., R. 10 E., corner of secs. 2, 3, 10, and 11, center of road forks, 400 feet south of schoolhouse; top of section-corner stone, painted "7540.0" .....	7, 540. 24
Alamosa, T. 37 N., R. 10 E., sec. 10, on concrete wagon bridge over Rio Grande, southwest corner of bridge, in top of concrete guard railing; bronze tablet stamped "7548" .....	7, 547. 798
<b>From point 6 miles north of Washington Springs along highways northeast 5 miles, thence north to Medano ranch, thence west to point 3 miles north of Mosca, thence south along Denver &amp; Rio Grande R. R. to McGinty.</b>	
T. 38 N., R. 11 E., near quarter corner between secs. 12 and 13, 8.3 miles northeast of Washington Springs, 20 feet east of road forks, in top of wooden stake; copper t. b. m., painted "7523.1" .....	7, 523. 06
T. 38 N., R. 11 E., near range line between secs. 12 and 7, 15 feet south of road forks, in top of cedar stake; copper t. b. m., painted "7515.1" .....	7, 515. 10
Dukes camp, 250 feet south of adobe hut; top of corner post of fence .....	7, 518. 1
Washington Springs, 10 miles northeast of, 500 feet north of gap where road passes through sand ridge, 30 feet southeast of road, in concrete post; bronze tablet stamped "7518" .....	7, 517. 974

Washington Springs, 11.2 miles northeast of, 10 feet southeast of road, in top of cedar stake; copper t. b. m., painted "7527.4".....	Feet. 7, 527. 39
Medano ranch, 11.4 miles south of, south boundary fence of pasture, 250 feet west of fence corner, 100 feet north of road forks, 20 feet west of road, west end of iron gate, in concrete post; bronze tablet stamped "7531".....	7, 530. 986
Medano ranch, 10 miles south of, in Medano pasture, northeast side of sand hill, 0.7 mile southwest of road, in top of cedar post; copper t. b. m., painted "7533.0".....	7, 533. 03
Medano ranch, 9.4 miles south of, 25 feet north of road, in top of cedar stake; copper t. b. m., painted "7529.0".....	7, 528. 97
Medano ranch, 8.5 miles south of, in saddle between sand dunes, 15 feet northeast of road, in top of cedar stake; copper t. b. m., painted "7531.6".....	7, 531. 62
Medano ranch, 7.7 miles south of, between forks of road, 50 feet east of forks, 500 feet north of sand ridge, in concrete post; bronze tablet stamped "7524".....	7, 524. 287
Medano ranch, 6.6 miles south of, west boundary fence of pasture, in iron gate; top of lower hinge, painted "7519.9".....	7, 519. 87
Medano ranch, 5.6 miles south of, 400 feet south of swamp, 15 feet east of road, in top of cedar stake; copper t. b. m., painted "7527.0".....	7, 527. 01
Medano ranch, 4.6 miles south of, 10 feet west of road, in top of cedar stake; copper t. b. m., painted "7527.0".....	7, 526. 97
Medano ranch, 3.3 miles south of; center of crossroads.....	7, 527. 3
Medano ranch, 3 miles south of, 900 feet east of sand ridge, 15 feet west of pasture gate, in concrete post; bronze tablet stamped "7529".....	7, 528. 842
NOTE.—From an iron pin 0.23 mile north of the above b. m. a spur line was run west to the shore of San Luis Lake and back, making a circuit of 1.57 miles.	
San Luis Lake, east shore, 25 feet east of shore line, in top of stake; copper t. b. m., painted "7529.7".....	7, 529. 71
San Luis Lake; water level Sept. 23, 1914.....	7, 525. 15
Medano ranch, 2 miles south of, south boundary fence of meadow, 20 feet west of gate, in top of cedar stake; copper t. b. m., painted "7536.6".....	7, 536. 51
Medano ranch, 0.8 mile southwest of, fenced inclosure containing hay stacks, northeast corner, in top of stake; copper t. b. m., painted "7538.4".....	7, 538. 35
Medano ranch, northwest corner of yard, 200 feet northwest of house, 5 feet south of fence corner and telephone pole, in concrete post; bronze tablet stamped "7551".....	7, 551. 334
Medano ranch, 1 mile west of, southeast corner of fence inclosure containing hay stacks, in foot of corner post; iron nail, painted "7538.4".....	7, 538. 35
Medano ranch, 2 miles west by 0.5 mile south of, north end of meadow, 10 feet south of old road, in top of cedar stake; copper t. b. m., painted "7531.3".....	7, 531. 30
Medano ranch, 2.5 miles west by 0.5 mile south of, 900 feet southeast of Head Lake, 800 feet west of Sand Creek, 200 feet northwest of old corral, 25 feet southwest of road forks, in concrete post; bronze tablet, stamped "7531".....	7, 531. 427
Head Lake; surface of water September 24, 1914.....	7, 526. 6
Medano ranch, 3.5 miles west by 0.5 mile south of, 300 feet southwest of shore of Head Lake, 30 feet north of road forks, in top of cedar stake; copper t. b. m., painted "7533.4".....	7, 533. 35
Theodore Werthman ranch, 0.8 mile northeast of, northeast corner of meadow, in top of stake at west brace to corner post; copper t. b. m., painted "7534.2".....	7, 534. 19

Theodore Werthman ranch, 3.5 miles north by 4.5 miles east of Mosca, 300 feet southwest of house, 2 feet north of corner post, 30 feet south of road, in concrete post; bronze tablet stamped "7531".....	Feet. 7, 531. 117
T. 40 N., R. 11 E., corner of secs. 20, 21, 28, and 29, 40 feet southeast of crossroads, in base of corner post; iron nail, painted "7529.5".....	7, 529. 50
T. 40 N., R. 11 E., corner of secs. 19, 20, 29, and 30, southwest corner of pasture, 10 feet north of road, in base of corner post; railroad spike, painted "7535.8".....	7, 535. 83
T. 40 N., line between Rs. 10 and 11 E., corner of secs. 19, 24, 25, and 30, southwest corner of crossroads, beside fence corner post, in concrete post; bronze tablet, stamped "7541".....	7, 541. 405
T. 40 N., R. 10 E., corner of secs. 23, 24, 25, and 26, 800 feet northwest of old house, center of crossroads, in top of stone section corner; chiseled cross, painted "7544.7".....	7, 544. 73
Mosca, 2.5 miles north by 0.5 mile east of, T. 40 N., R. 10 E., corner of secs. 22, 23, 26, and 27, southwest corner of crossroads, in base of corner post; railroad spike, painted "7550.1".....	7, 550. 15
Mosca, 2.5 miles north by 0.5 mile west of, T. 40 N., R. 10 E., corner of secs. 21, 22, 27, and 28, southwest corner of crossroads, 50 feet southwest of railroad crossing, beside fence corner, in concrete post; bronze tablet stamped "7555".....	7, 554. 636
Mosca, 1.9 miles north of, on Denver & Rio Grande R. R. (narrow-gage line), 400 feet north of road crossing, 15 feet west of track, in base of milepost 285; spike, painted "7556.6".....	7, 556. 60
Mosca, 0.9 mile north of, 400 feet north of road crossing, 15 feet west of track, in top of milepost 286; copper t. b. m., painted "7560.1".....	7, 560. 19
Mosca, 290 feet south of depot, 30 feet east of track, 23 feet west of scale house, in concrete central pier of beet dump; bronze tablet stamped "7557".....	7, 557. 392
Mosca, 1.2 miles south of, 15 feet west of track, 600 feet north of road crossing, in top of milepost 288; copper t. b. m., painted "7562.0".....	7, 562. 05
Mosca, 2.2 miles south of, 15 feet west of track, in base of milepost 239; railroad spike, painted "7551.9".....	7, 552. 01
Mosca, 3.4 miles south of, T. 39 N., R. 10 E., on line between secs. 22 and 27, 50 feet west of track, in concrete post; bronze tablet stamped "7553".....	7, 552. 819
Mosca, 4.2 miles south of, 800 feet north of road crossing, 15 feet west of track, in top of milepost 291; copper t. b. m., painted "7555.6".....	7, 555. 69
Bridge over drainage ditch; top of rail.....	7, 555. 9
Mosca, 5.2 miles south of, 15 feet west of track, in top of milepost 292; copper t. b. m., painted "7552.8".....	7, 552. 97
Alamosa, 6.8 miles north of, 800 feet northwest of house, 15 feet west of track, in base of milepost 293; spike, painted "7550.6".....	7, 550. 72
Bridge over irrigation ditch; top of rail.....	7, 552. 1
<b>From point 3 miles north of Mosca north along highway to Hooper, thence west 7 miles.</b>	
T. 40 N., R. 10 E., 200 feet west of secs. 21, 22, 27, and 28, 50 feet west of railroad crossing, in concrete post at fence corner; bronze tablet stamped "7555".....	7, 554. 609
T. 40 N., R. 10 E., corner of secs. 15, 16, 21, and 22, southwest corner of road crossing, in brace to corner fence post; copper nail, painted "7556.4".....	7, 556. 44
T. 40 N., R. 10 E., corner of secs. 9, 10, 15, and 16, northeast corner of road crossing, in top of brace to corner fence post; copper nail, painted "7559.7".....	7, 559. 72

T. 40 N., R. 10 E., corner of secs. 3, 4, 9, and 10, southeast corner of road crossing, in top of brace to corner fence post; copper nail, painted "7559.6".....	Feet. 7, 559. 58
Hooper station, 100 feet north of depot, 40 feet west of main line of Denver & Rio Grande R. R., southwest corner of unused railroad water tank, in top of sandstone slab; bronze tablet stamped "7560".....	7, 559. 957
Hooper, in front of station; top of rail.....	7, 559. 25
Tps. 40 and 41 N., R. 10 E., corner of secs. 32, 33, 4, and 5, southwest corner of crossroads, in top of brace to corner fence post; copper nail, painted "7562.0".....	7, 561. 93
Tps. 40 and 41 N., R. 10 E., corner of secs. 31, 32, 5, and 6, southeast corner of crossroads, in top of brace to corner fence post; copper nail, painted "7568.2".....	7, 568. 15
Tps. 40 and 41 N., Rs. 9 and 10 E., township corner, southwest corner of crossroads, in concrete post in fence corner; bronze tablet stamped "7575".....	7, 574. 517
Tps. 40 and 41 N., R. 9 E., corner of secs. 35, 36, 1, and 2, northwest corner of crossroads, in top of brace to corner fence post; copper nail, painted "7575.4".....	7, 575. 44
Tps. 40 and 41 N., R. 9 E., corner of secs. 34, 35, 2, and 3, north side of road, in top of brace to corner fence post; copper nail, painted "7577.9".....	7, 577. 87
Tps. 40 and 41 N., R. 9 E., corner of secs. 33, 34, 3, and 4, northwest corner of crossroads, in concrete post in fence corner; bronze tablet stamped "7582".....	7, 582. 415
Tps. 40 and 41 N., R. 9 E., corner of secs. 32, 33, 4, and 5, northeast corner of crossroads, in base of corner fence post; copper nail, painted "7588.4".....	7, 588. 42

**From Hooper north along Denver & Rio Grande R. R. to Moffat.**

Hooper, 100 feet northwest of depot, in sandstone rock; bronze tablet stamped "7560".....	7, 560. 291
Moffat, 17 miles south of, in base of milepost 279; railroad spike, painted "7550.8".....	7, 550. 98
Moffat, 16 miles south of, in top of milepost 278; copper nail, painted "7552.7".....	7, 552. 85
Moffat, 15 miles south of, in concrete post in fence corner, east side of track, 400 feet south of milepost 277; bronze tablet stamped "7548".....	7, 547. 723
Moffat, 14 miles south of, in base of milepost 276; railroad spike, painted "7549.8".....	7, 549. 89
Moffat, 13 miles south of, in base of milepost 275; railroad spike, painted "7545.1".....	7, 545. 20
Moffat, 12.5 miles south of, at Gibson station, 200 feet south of section house on edge of right of way, west side, in concrete post; bronze tablet stamped "7546".....	7, 545. 633
Moffat, 11 miles south of, in base of milepost 273; railroad spike, painted "7541.4".....	7, 541. 51
Moffat, 10 miles south of, in base of milepost 272; railroad spike, painted "7542.5".....	7, 542. 10
Moffat, 9 miles south of, 50 feet west of milepost 271, on edge of right of way, in fence corner, in concrete post; bronze tablet stamped "7541".....	7, 541. 367
Moffat, 8 miles south of, in base of milepost 270; log screw, painted "7545.5".....	7, 545. 55
Moffat, 7 miles south of, at La Garita station, in top of milepost 269; copper nail, painted "7550.3".....	7, 550. 36
Moffat, 6 miles south of, at edge of right of way, west side, at cattle guard, in base of corner fence post; railroad spike, painted "7545.3".....	7, 545. 36

Moffat, 4.8 miles south of, at milepost 267, at fence, west side of track, in concreté post; bronze tablet stamped "7549".....	Feet. 7, 549. 140
Moffat, 3.8 miles south of, in top of milepost 266; copper nail, painted "7554.8".....	7, 554. 78
Moffat, 2.8 miles south of, in top of milepost 265; copper nail, painted "7558.9".....	7, 558. 91
Moffat, 1.8 miles south of, in base of milepost 264; railroad spike, painted "7559.7".....	7, 559. 75
Moffat, 1 mile south of, at stockyards, at railroad crossing; top of east rail, painted "7562.4".....	7, 562. 42

**From point 5 miles south by 5 miles west of Moffat east along highway to Denver &  
Rio Grande R. R.**

Tps. 42 and 43 N., R. 9 E., corner of secs. 32, 33, 4, and 5; northwest corner of crossroads, in base of corner fence post; iron log screw, painted "7551.8".....	7, 551. 79
Tps. 42 and 43 N., R. 9 E., corner of secs. 33, 34, 3, and 4, south side of road, in top of corner fence post; copper nail, painted "7554.1".....	7, 554. 16
Tps. 42 and 43 N., R. 9 E., 40 feet southeast of corner of secs. 34, 35, 2, and 3, in concrete post; bronze tablet stamped "7551".....	7, 550. 603
Tps. 42 and 43 N., R. 9 E., corner of secs. 35, 36, 1, and 2, in top of corner stake; copper nail, painted "7549.6".....	7, 549. 57
Tps. 42 and 43 N., Rs. 9 and 10 E., township corner, east side of "Range Line" road, in top of brace to corner fence post; copper nail, painted "7651.4".....	7, 651. 44

**From Crestone along highway southeast to Liberty, thence southwest to point 3 miles  
north of Hooper.**

Crestone, 75 feet south of depot, at edge of right of way, in concrete post; bronze tablet stamped "7863".....	7, 862. 727
Crestone, 1.35 miles south of, in base of milepost 275; railroad spike, painted "7999.5".....	7, 999. 57
Crestone, 2.35 miles south of, in base of milepost 276; railroad spike, painted "8111.7".....	8, 111. 77
Crestone, 3.05 miles south of, west side of road, in top of brace to gate- post; copper nail, painted "7931.9".....	7, 932
Crestone, 4 miles south of, at forks of Crestone-Liberty-Cottonwood stage roads, 20 feet east of forks, in concrete post; bronze tablet stamped "7903".....	7, 902. 909
Crestone, 5.2 miles south of, 30 feet east of road, in top of stake; copper nail, painted "7774.3".....	7, 774. 43
Crestone, 6.3 miles south of, 100 feet west of road, north side of dry gulch, in top of cedar stump; copper nail, painted "7744.4".....	7, 744. 56
Crestone, 7.4 miles south of, 30 feet west of road, in top of stake; copper nail, painted "7773.1".....	7, 773. 25
Crestone, 8.4 miles south of, 500 feet north of ford across Deadmans Creek, 30 feet east of road, in grove of trees, in concrete post; bronze tablet stamped "7810".....	7, 810. 495
Crestone, 9.4 miles south of, 30 feet from summit of sand dune, in top of stake; copper nail, painted "7768.1".....	7, 768. 23
Crestone, 11.5 miles south of, on east-west fence line through Boca Grant, in base of gatepost, west side; railroad spike, painted "7729.9".....	7, 730. 13
Crestone, 13 miles south of, 30 feet north of Hooper-Liberty road, on slight sand ridge, in top of stake; copper nail, painted "7687.3".....	7, 687. 52
Crestone, 14.8 miles south of, 700 feet west of windmill at "sixmile" well, 50 feet north of gate, in concrete post; bronze tablet stamped "7627".....	7, 627. 274

Crestone, 16 miles south of, 500 feet east of well at Antelope Springs, 20 feet south of road, in top of stake; copper nail, painted "7596.4".....	Feet. 7, 596.66
Crestone, 17.5 miles southwest of, 30 feet south of road, in top of stake; copper nail, painted "7568.6".....	7, 568.81
Crestone, 18.6 miles southwest of, 20 feet north of road, in top of stake; copper nail, painted "7550.1".....	7, 550.31
Crestone, 19.8 miles southwest of, 0.5 mile east of January ranch, 20 feet south of gate in division fence of Boca Grant, in top of concrete post; bronze tablet stamped "7539".....	7, 539.378
Crestone, 21.5 miles southwest of, west side of road, north side of lane, in base of gatepost; railroad spike, painted "7535.4".....	7, 535.58
Crestone, 22.3 miles southwest of, 25 feet north of gate, in base of brace to corner fence post; railroad spike, painted "7534.7".....	7, 534.97
Crestone, 23 miles southwest of, 50 feet east of Gibson drainage ditch, 20 feet south of road, at fence corner, in concrete post; bronze tablet stamped "7536".....	7, 536.664
Crestone, 24.9 miles southwest of, south side of road, in base of corner fence post; railroad spike, painted "7544.2".....	7, 544.39
Hooper, 3.4 miles north of, 200 feet south of milepost 277, 50 feet east of track, in concrete post in fence corner; bronze tablet stamped "7548"....	7, 547.723

**From point 1.2 miles east of Antelope Springs south across country to Medano ranch.**

"Sixmile" well, 50 feet north of, gate in north-south fence line of Boca Grant, in concrete post; bronze tablet stamped "7627".....	7, 627.274
"Sixmile" well, 0.9 mile south of, in north-south fence line, in base of gatepost; railroad spike, painted "7626.1".....	7, 626.39
"Sixmile" well, 2.1 miles south of, south boundary of Boca Grant, at fence corner, in base of gatepost; railroad spike, painted "7626.5".....	7, 626.79
"Sixmile" well, 3.6 miles south of, in top of stake on summit of sand dune; copper nail, painted "7617.5".....	7, 617.79
"Sixmile" well, 5.6 miles south of, north side of Medano's north meadow, 20 feet east of wire gate, in concrete post; bronze tablet stamped "7566"....	7, 566.065
"Sixmile" well, 7.4 miles south of, south side of Medano's north meadow, in base of gatepost; railroad spike, painted "7544.0".....	7, 544.40
"Sixmile" well, 8.8 miles south of, 0.6 mile west of Medano ranch house, in top of brace to corner fence post at gate; copper nail, painted "7544.6"....	7, 545.06
Medano ranch, in northwest corner of yard about ranch house, in concrete post; bronze tablet stamped "7551".....	7, 551.334

**LA JARA QUADRANGLE.**

[Latitude 37°-37° 30'; longitude 105° 30'-106°.]

**From milepost 257 southeast along Denver & Rio Grande R. R. to Washington Springs.**

Milepost 257, opposite, on south side of Denver & Rio Grande R. R., in concrete post; bronze tablet stamped "7572".....	7, 571.636
Milepost 256, in south face of; spike.....	7, 561.20
Milepost 255, in south face of; spike.....	7, 554.34
Milepost 254, opposite, on south side of railroad, in concrete post; bronze tablet stamped "7551".....	7, 550.910
Milepost 253, in south face of; spike.....	7, 543.02
Bridge 252 A; surface of creek under.....	7, 535.9
Alamosa, in concrete pier to north side of city water tower; bronze tablet stamped "7543".....	7, 543.219
Alamosa station, opposite telegraph window; south rail of north track....	7, 541

Alamosa, in northeast part of, at northwest corner of concrete bridge(wagon), in concrete guard rail; bronze tablet stamped "7548".....	Feet. 7, 547. 798
Bridge 251 A, under; surface of Rio Grande, Sept. 15, 1914 .....	7, 533
Alamosa, railroad Y, 500 feet east of, in south face of telegraph pole; spike.....	7, 539. 98
Milepost 250, half a mile west of, at road crossing; south rail.....	7, 538. 6
Milepost 250, in south face of; spike.....	7, 535. 37
Milepost 249, in south face of; spike.....	7, 533. 87
Hayes station, on north side of railroad, in southwest corner of field, in concrete post; bronze tablet stamped "7531".....	7, 531. 287
Milepost 248, in south face of; spike.....	7, 530. 52
Hayes station, 1.25 miles east of, in north end of concrete culvert; bronze tablet stamped "7528".....	7, 528. 124
Milepost 247, in south face of; spike.....	7, 525. 50
San Luis road crossing; north rail.....	7, 526. 7
Milepost 246, in south face of; spike.....	7, 526. 19
Washington Springs, in lowest point in valley east and west in swale, in north face of telephone post 2470; spike.....	7, 521. 01
Milepost 245, 50 feet northwest of, on north side of railroad, in concrete post; bronze tablet stamped "7540".....	7, 540. 444

**From Hayes along highways southwest to Hansen's ranch, thence north to point  
near Washington Springs.**

Hayes station, 0.70 mile south of, in center of road between secs. 17 and 18, T. 37 N., R. 11 E., in top of quarter corner stake; copper nail, painted "7529.2".....	7, 529. 37
Hayes station, 1.66 miles south of, 250 feet north of Rio Grande, northwest corner of crossroads, in top of brace to corner fence post; copper nail, painted "7528.9".....	7, 528. 99
Hayes station, 2.34 miles southeast of, T. 37 N., R. 11 E., in top of section stake at corner of secs. 20, 21, 28, and 29; copper nail, painted "7525.3".....	7, 525. 45
Hayes station, 3.50 miles southeast of, at quarter corner between secs. 28 and 33, T. 37 N., R. 11 E., in concrete post in fence corner; bronze tablet stamped "7523".....	7, 523. 578
Hayes station, 4.75 miles southeast of, in corner of fence around hay lot, in top of cedar fence post; copper nail, painted "7523.6".....	7, 523. 77
Hayes station, 5.75 miles southeast of, on Hansen's ranch, 500 feet north- west of Hansen ranch house, in fence corner, in concrete post; bronze tablet stamped "7534".....	7, 533. 998
Hansen's ranch, 1 mile north of, 20 feet west of gate, in top of fence post; copper nail, painted "7533.4".....	7, 533. 58
Hansen's ranch, 1.6 miles north of, in section 22, 2,000 feet west of house on mesa, 100 feet west of road, in top of stake; copper nail, painted "7519.3".....	7, 519. 50
Washington Springs, 0.8 mile northeast of, 20 feet east of main road, 10 feet north of lane, in foot of brace to fence corner; copper t. b. m., painted "7546.2".....	7, 546. 28
Washington Springs, 1.3 miles north of, quarter corner between secs. 2 and 11, 200 feet northwest of house, at T road south, in foot of brace to corner post; copper t. b. m., painted "7,536.5".....	7, 536. 61
Washington Springs, 2.5 miles north of, 300 feet east of quarter corner be- tween secs. 2 and 35, in alkali swale, 10 feet south of road, in top of fence post; copper t. b. m., painted "7524.3".....	7, 524. 31

**SAGUACHE QUADRANGLE.**

[Latitude 38°-38° 30'; longitude 106°-106° 30'.]

**From point 7.5 miles east of Saguache along highways through Saguache to Swede Corners.**

	Feet.
Saguache, 7.5 miles east of, 20 feet north of road, in top of cedar stake; copper nail, painted "7687.0".....	7, 685. 93
Saguache, 6.5 miles east of, at northwest corner of crossroads, in top of cedar stake; copper nail, painted "7711.2".....	7, 711. 15
Saguache, 5.5 miles east of, at junction of Villa Grove-Saguache and Mirage roads, southeast corner of crossroads, in concrete post; bronze tablet stamped "7704".....	7, 704. 081
Saguache, 4 miles east of, at summit of low saddle, north side of road, in top of stake; copper nail, painted "7710.1".....	7, 710. 09
Saguache, 3.2 miles east of, north side of road, in top of stake; copper nail, painted "7680.9".....	7, 680. 85
Saguache, 1.8 miles east of, northwest corner of wooden culvert, in top of upright post; copper nail, painted "7677.2".....	7, 677. 11
Saguache, in front of window of Saguache County Bank, in concrete sidewalk; bronze tablet stamped "7697".....	7, 696. 831
Saguache, 0.6 mile south of, north side of road, in top of stake of wooden culvert; copper nail, painted "7692.1".....	7, 692. 03
Saguache, 1.7 miles south of, in top of brace to corner fence post, northeast corner of crossroads; copper nail, painted "7683.6".....	7, 683. 55
Saguache, 3 miles south of, in concrete post in southeast corner of crossroads; bronze tablet stamped "7687".....	7, 686. 932
Saguache, 4 miles south of, in top of cedar stake, 50 feet west of road; copper nail, painted "7666.7".....	7, 666. 68
Saguache, 4.5 miles south of, in base of corner fence post, east side of road at bend; spike, painted "7656.8".....	7, 656. 85
Saguache, 5.6 miles south of, in top of brace to corner fence post, east side of road; copper nail, painted "7644.5".....	7, 644. 49
Saguache, 6.8 miles south of, in base of corner fence post, southeast corner of 10-acre inclosure, west side of road; copper nail, painted "7651.4"....	7, 651. 45

**SILESIA PEAK QUADRANGLE.**

[Latitude 38°-38° 30'; longitude 105° 30'-106°.]

**From Moffat north along Denver & Rio Grande R. R. 7 miles, thence west along highway to point 7.5 miles east of Saguache.**

Moffat, in front of station; top of rail.....	7, 564. 6
Moffat, in south side of concrete sidewalk, 50 feet east of station; bronze tablet stamped "7564".....	7, 563. 667
Moffat, 0.6 mile north of, in base of milepost 262; railroad spike, painted "7568.3".....	7, 568. 57
Moffat, 1.6 miles north of, in base of milepost 261; railroad spike, painted "7576.9".....	7, 576. 88
Moffat, 2.6 miles north of, in base of milepost 260; railroad spike, painted "7584.3".....	7, 584. 29
Moffat, 3.6 miles north of, in concrete post, west edge of right of way at milepost 259; bronze tablet stamped "7592".....	7, 592. 255
Moffat, 4.6 miles north of, in base of milepost 258; railroad spike, painted "7604.2".....	7, 604. 19



	Feet.
Moffat, 5.6 miles north of, "Mirage" switch, in base of milepost 257; railroad spike, painted "7614.1".....	7, 614.05
Moffatt, 6.9 miles north of, at road corner, 50 feet east of track, in concrete post in fence corner; bronze tablet stamped "7632".....	7, 631.866
Saguache, 11.3 miles east of, north side of road, in brace to corner fence post; copper nail, painted "7630.9".....	7, 630.82
Saguache, 10.5 miles east of, in top of wooden culvert, at southeast corner; copper nail, painted "7623.3".....	7, 623.27
Saguache, 9.2 miles east of, north side of road, in southeast corner of 40-acre inclosure, in concrete post at fence corner; bronze tablet stamped "7630".....	7, 629.731
Saguache, 8.4 miles east of, at southwest corner of crossroads, in top of cedar stake; copper nail painted "7656.8".....	7, 656.77

**From Moffat east along highway to Crestone.**

Moffat, 50 feet east of station, in concrete sidewalk; bronze tablet stamped "7564".....	7, 563.667
Moffat, 1 mile east of, in base of milepost 263; railroad spike, painted "7567.2".....	7, 567.23
Moffat, 2 miles east of, in base of milepost 264; railroad spike, painted "7566.8".....	7, 566.86
Moffat, 3 miles east of, in base of milepost 265; railroad spike, painted "7571.8".....	7, 571.84
Travis switch, top of north rail.....	7, 575.2
Moffat, 4 miles east of, in concrete post 20 feet south of track at milepost 266; bronze tablet stamped "7576".....	7, 575.816
Moffat, 5 miles east of, in base of milepost 267; railroad spike, painted "7590.2".....	7, 590.19
Moffat, 6 miles east of, in base of milepost 268; railroad spike, painted "7609.0".....	7, 609.03
Moffat, 7 miles east of, in base of milepost 269; railroad spike, painted "7633.4".....	7, 633.46
Moffat, 8 miles east of, in concrete post beside milepost 270; bronze tablet stamped "7653".....	7, 652.815
Moffat, 9 miles east of, in base of milepost 271; railroad spike, painted "7692.8".....	7, 692.86
Moffat, 10 miles east of, in base of milepost 272; railroad spike, painted "7747.3".....	7, 747.31
Moffat, 11 miles east of, in base of milepost 273; railroad spike, painted "7819.2".....	7, 819.26

**Ignacio, Pagosa Springs, and Summitville 30' quadrangles.**

**ARCHULETA AND LA PLATA COUNTIES.**

The elevations in the following list are based upon primary leveling in this area.

The leveling in the Ignacio quadrangle was done in 1896 by C. W. Beach, in 1899 by T. Winsor, in 1900 by J. P. Darling, in 1906 by A. R. Carver, and in 1907 by F. A. Nussle; that in the Pagosa Springs quadrangle in 1899 by Winsor, in 1906 by Carver, and in 1907 by Nussle; and that in the Summitville quadrangle in 1906 by Carver, in 1912 by C. P. McKinley, and in 1913 by C. C. Holder.

The considerable difference between stamped and adjusted elevations is due mostly to errors in the assumed data upon which the field work was based and partly to errors in field computation.

**IGNACIO QUADRANGLE.**

[Latitude 37°-37° 30'; longitude 107° 30'-108°.]

**From Durango north to Animas, thence east to Florida Valley.**

Durango, Smelter State Bank building, Newman Block, in second course of masonry of foundation, at southwest corner; bronze tablet stamped "6517" .....	Feet. 6, 525. 151
Durango, in southwest corner of masonry foundation of courthouse, 1.5 feet above ground; bronze tablet stamped "6551" .....	6, 559. 467
Durango, in front of station; top of rail .....	6, 510. 8
Animas, 4 miles east of, 40 feet northwest of junction of Animas City and Florida Valley wagon road, on west side of Florida Valley; iron post stamped "7146" .....	7, 154. 203

**From Durango northeast to Bluff triangulation station.**

Durango, 3.5 miles northeast of, top of highest peak on ridge east of Bluff triangulation station, at head of Horse Gulch, in bedrock 2 feet south of monument; bolt marked "U. S. G. S. 8169 B. M" .....	8, 176. 761
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**From Durango west to Lightner Creek, thence north to Junction Creek (spur line).**

Durango, 5 miles west of, in forks of Lightner Creek, 80 feet northwest of highway bridge crossing Dry Fork of Lightner Creek; iron post stamped "6944" .....	6, 952. 074
Animas, 4.5 miles northwest of, 7 feet north of road along Junction Creek and 0.2 mile below deserted sawmill; iron post stamped "7258" .....	7, 265. 567

**From Animas north along Denver & Rio Grande R. R. to Rockwood.**

Trimble Springs, 2.5 miles south of, in south base of large boulder 10 by 8 by 6 feet, east side of road running along west side of Animas Valley; iron post stamped "6569" .....	6, 577. 096
Hermosa, near Denver & Rio Grande R. R. (Silverton branch) station, 125 feet west of tracks on south side of Durango wagon road; iron post stamped "6630" .....	6, 638. 309
Rockwood, 100 feet north of, within boundaries of railroad Y switch; iron post stamped "7348" .....	7, 354. 913

**From Hermosa northwest up Hermosa Creek to South Fork.**

Hermosa, 3.5 miles northwest of, 15 feet east of trail, in flat, north of Hermosa Creek; iron post stamped "7709" .....	7, 717. 329
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**From point 4 miles east of Animas on Florida River east via Spring Gulch to Columbus.**

Nelson's shingle mill, 0.2 mile northeast of, 1.3 miles southwest of district school No. 14, east side of road, 35 feet north of bridge over headrace; iron post stamped "7325 Dur" .....	7, 332. 840
Stark's sawmill, 1 mile southwest of, on southeast side of road, 10 feet west of gate at entrance to lane leading to Eschoven's residence, 300 feet distant; iron post stamped "7547 Dur" .....	7, 555. 079

Stark's sawmill, 1.5 miles northeast of, 5 feet south of fence corner, at forks of roads, 100 feet east of bridge over Florida River; iron post stamped "7770 Dur".....	Feet. 7, 777. 761
Columbus, 500 feet west of post office, at forks of road; iron post stamped "7321 Dur".....	7, 328. 460
<b>From Columbus northeast along Pine River to point 3 miles northeast of Graham ranch.</b>	
Columbus, 3 miles northeast of, near angle in rail fence, on east side of road, 200 feet north of bridge over drain; iron post stamped "7496 Dur".....	7, 503. 501
Columbus, 6.5 miles north of, near wire fence, on southeast side of road, at junction with road running up Vallecito Creek; iron post stamped "7617 Dur".....	7, 624. 505
Graham's ranch, 0.5 mile southwest of, on north side of road, 17 feet west of bridge over Pine River, near beginning of trail up river, in top of boulder; aluminum tablet stamped "7747 Dur".....	7, 754. 311
<b>From Vallecito north up Vallecito Creek to point 2 miles north of fish hatchery.</b>	
Fish hatchery, 0.7 mile south of, 250 feet south of small creek, in granite boulder; aluminum tablet stamped "7720 Dur".....	7, 726. 850
Fish hatchery, 2 miles north of, 100 feet south of branch of Vallecito Creek, at foot of large pine tree, on west edge of trail, in flat rock; aluminum tablet stamped "7926 Dur".....	7, 933. 968
<b>From milepost 413 west along Denver &amp; Rio Grande R. R. to La Boca, thence north-west along railroad to Durango.</b>	
Milepost 413, 100 feet south of, on opposite side of track, near telegraph pole, 30 feet south of track, 630 feet southeast of private road crossing and cattle guard; iron post.....	6, 342. 752
Milepost 415, 500 feet northwest of, 50 feet south of track, 20 feet east of telegraph pole, 100 feet south of private road; iron post.....	6, 306. 641
La Boca, 60 feet west of track, 20 feet east of road, 300 feet north of water tank; iron post.....	6, 172. 519
La Boca, in front of station; top of rail.....	6, 168. 3
Ignacio, in front of station; top of rail.....	6, 432. 0
Ignacio, 4.4 miles southeast of, 50 feet west of track, 100 feet east of road; iron post stamped "6252".....	6, 259. 568
Ignacio, 200 feet east of station, 100 feet east of road; iron post.....	6, 428. 269
Ignacio, 2.3 miles northwest of, 50 feet northwest of road crossing, 30 feet south of track, 600 feet southeast of milepost 428; iron post.....	6, 530. 248
Ignacio, 7.2 miles northwest of, 100 feet southwest of road crossing, 40 feet south of track; iron post.....	6, 597. 822
Florida, 1.7 miles southeast of, 80 feet southwest of milepost 435, 60 feet southwest of track, 150 feet east of private road; iron post.....	6, 721. 328
Florida, 50 feet south of freight platform, 250 feet northwest of bridge near telegraph pole; iron post.....	6, 690. 970
Milepost 445, 75 feet east of, 50 feet east of track, 1,500 feet north of road; iron post.....	6, 780. 773
Durango, 6.3 miles southeast of, 20 feet south of road, 500 feet south of track, on side of hill; iron post.....	6, 729. 217
Bocea, in front of station; top of rail.....	6, 698. 9
Durango, about 3 miles south of, 150 feet southeast of east end of Florida road, wagon bridge over Las Animas River, 60 feet west of railroad, in top of large red boulder; aluminum tablet (Reclamation Service bench mark No. 3).....	6, 416. 976

From Colorado-New Mexico line north along Denver & Rio Grande R. R. to point 3 miles south of Durango, thence east to point 6 miles east of Bayfield.

NOTE.—The elevations of the first five of the following bench marks may be 3 feet greater.

Colorado-New Mexico line, 0.3 mile northwest of, in State of Colorado, 10 feet north of milepost D 467; iron post stamped "5936".....	Feet. 5, 934. 090
Colorado-New Mexico line, 4.2 miles north of, 0.1 mile south of milepost D 463, opposite water tank, in line of telegraph poles; iron post stamped "5 6049".....	6, 047. 023
Castelar, 1 mile south of post office, 30 feet west of road, on top of mesa; iron post stamped "6139".....	6, 136. 879
Castelar, 3 miles north of, 30 feet west of road, on ridge; iron post stamped "B. M. 219 6210".....	6, 207. 371
Castelar, 3.4 miles north of sec. 36, T. 34 N., R. 10 W., 30 feet west of wagon road above and 150 feet west of house of Weaselskin (a Ute Indian), on right bank of Animas River, in top of embedded granite boulder 3 by 4 feet, about 2 feet above ground; aluminum tablet stamped "6202" (Reclamation Service bench mark No. 4; its elevation, 6,199.798 feet)....	6, 207. 018

NOTE.—A break of 3 feet is made in the computed line here on account of circuit closure and the closure on this and a following Reclamation Service bench mark.

Castelar, 6.2 miles north of, 20 feet west of road, on top of mesa; iron post stamped "6344 B. M. 223".....	6, 345. 119
Bocea, 0.5 mile southeast of station, 20 feet south of road, 50 feet south of railroad track, on side of hill; iron post stamped "6723 B. M. 230".....	6, 729. 117
Bocea, 2.5 miles east by 0.5 mile north of, road forks at northeast corner of B. Bellino's field; iron post stamped "6993 B. M. 233".....	6, 993. 075
Bocea, 4.5 miles east by 1.25 miles north of, 1 mile east of Florida River, 50 feet north of road, near lone piñon tree; iron post stamped "6917 B. M. 225".....	6, 918. 298
Bayfield, 6.5 miles northwest of, 20 feet south of road, on top of ridge; iron post stamped "7071 B. M. 238".....	7, 072. 439
Bayfield, 3 miles southwest of, 25 feet north of road, 60 feet west of large pressure pipe; iron post stamped "6855 B. M. 242".....	6, 855. 554
Bayfield, 0.5 mile west of, in road forks of Durango and Ignacio road, on west side of Pine River; iron post stamped "6913 B. M. 245".....	6, 914. 226
Bayfield, 2.8 miles east of, 20 feet west of road, on top of ridge 600 feet east of deserted mill; iron post stamped "6940 B. M. 249".....	6, 951. 639
Bayfield, 5.9 miles east of, 20 feet west of road, 30 feet south of arroyo; iron post stamped "7224 B. M. 252".....	7, 225. 969

#### From Bayfield south down Pine River to State line.

Bayfield, 3.5 miles south of, 15 feet west of road, in line with cedar bush; iron post.....	6, 790. 103
Ignacio agency, at west end of highway bridge; old iron post of Geological Survey stamped "6469 B. M. 326".....	6, 479. 227

#### PAGOSA SPRINGS QUADRANGLE.

[Latitude 37°-37° 30'; longitude 107°-107° 30']

#### From Graham's ranch northeast 3 miles.

Graham's ranch, 3 miles northeast of, beside wire fence, 10 feet east of gate through which trail passes, in top of granite boulder; bronze tablet stamped "7873 Dur".....	7, 879. 956
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## At Thomas &amp; Spaeth's store.

Thomas & Spaeth's store, southeast corner of, 160 feet north of track; iron post.....	Feet. 6, 221. 971
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## From State line crossing near milepost 384 west along Denver &amp; Rio Grande R. R. to milepost 410.

Juanita, 150 feet southeast of post office and freight platform, 60 feet north of track, 150 feet south of Navajo River; iron post.....	6, 328. 406
Pagosa Junction, southwest fence corner of W. Zabriski's store, 150 feet north of track, 200 feet northwest of station; iron post.....	6, 266. 848
Milepost 392, 75 feet east of, 40 feet north of road crossing, 200 feet north of San Juan River, in sandstone boulder; aluminum tablet .....	6, 232. 605
Carracas, 90 feet south of signboard, 10 feet west of northwest corner of section house; iron post.....	6, 167. 013
Milepost 397, 300 feet northwest of, 50 feet north of track, 30 feet south of road and wire gate, in fence corner; iron post.....	6, 128. 421
Milepost 399, 15 feet south of, 50 feet north of track, 75 feet south of road; iron post.....	6, 095. 545
Arboles, northwest corner of B. A. Rodriguez store and post office, 100 feet south of track; iron post.....	6, 005. 184
Arboles, in front of station; top of rail.....	6, 007. 8
Milepost 406, 150 feet northwest of, 70 feet northeast of road crossing; iron post.....	6, 125. 400
Milepost 409, 0.7 mile east of, 50 feet southwest of road crossing, 20 feet west of irrigating ditch, 40 feet south of track; iron post.....	6, 169. 836

## From point 6 miles east of Bayfield east along road to dike.

Lange ranch, 300 feet east of ranch house, in road forks; iron post stamped "7333 B. 255".....	7, 333. 470
Mack ranch, 2.3 miles east of, top of Yellow Jacket divide, 10 feet west of road; iron post stamped "7900 B. M. 258".....	7, 900. 622
Piedra, Charles Freeman's ranch, 15 feet north of road, on top of small ridge; iron post stamped "7024 B. M. 262".....	7, 021. 844
Campbell's ranch, 0.4 mile south of, 20 feet east of road; iron post stamped "6670 B. M. 265".....	6, 670. 057
Harland's ranch, forks of Bayfield-Pagosa Springs and Bayfield-Arboles roads; iron post stamped "6450 B. M. 268".....	6, 449. 766
Harland's ranch, 2.8 miles southeast of, 15 feet east of road, on Devil Hill; iron post stamped "6751 B. M. 271".....	6, 750. 577
Harland's ranch, 6.3 miles southeast of, 15 feet west of road, on top of ridge; iron post stamped "6794 B. M. 274".....	6, 793. 921

## From dike east along Denver &amp; Rio Grande R. R. to Pagosa Springs.

Dike, opposite signboard; top of rail.....	5, 808. 4
Dike, 600 feet east of post office, 12 feet north of road, 40 feet south of track; iron post stamped "6801 B. M. 277".....	6, 801. 482
Dike, 3.5 miles northeast of, 50 feet north of milepost D 411, 60 feet south of road; iron post stamped "7020 B. M. 280".....	7, 020. 895
Nutria, in front of signboard; top of rail.....	7, 044. 5
Hatcher spur, 0.5 mile north of, 30 feet east of milepost D 414; iron post stamped "7379 B. M. 283".....	7, 379. 319
Sumetha, in front of signboard; top of rail.....	7, 508. 8

Sumetha, 1.2 miles northeast of, 60 feet north of track, 20 feet east of road; iron post stamped "7463 B. M. 287" .....	Feet. 7, 463. 919
Pagosa Springs, south end of station platform, in line with front of station; iron post stamped "7104 B. M. 290" .....	7, 104. 372
Pagosa Springs, in base of watering trough; aluminum tablet stamped "7079 B. M. 291" .....	7, 079. 804

**From point 3 miles northeast of Vallecito northeast along Pine River to junction  
with trail northwest to Emerald Lake.**

Graham's ranch, 6 miles northeast of, 30 feet north of trail, about 0.2 mile northeast of Pine River crossing, in top of flat triangular boulder; bronze tablet stamped "7985 Dur" .....	7, 992. 143
Graham's ranch, 8.5 miles northeast of, 17 feet northwest of forks at junc- tion with trail running northwest to Emerald Lakes, 0.1 mile northwest of Lake Fork, in top of granite boulder; aluminum tablet stamped "8185 Dur" .....	8, 192. 282

**SUMMITVILLE QUADRANGLE.**

[Latitude 37°-37° 30'; longitude 106° 30'-107°.]

**From Pagosa Springs southeast along road to Edith.**

Pagosa Springs, 4.1 miles southeast of, 15 feet east of road, on top of ridge; iron post stamped "7248 B. M. 296" .....	7, 245. 662
Pagosa Springs, 8 miles south of, 15 feet north of road, on top of Eightmile Hill, 30 feet east of road forks, in top of a 4-inch iron pipe buried in ground; aluminum tablet stamped "7521 B. M. 300" .....	7, 518. 718
Halfway House, 0.2 mile east of, 15 feet east of road, near burnt pine stump, in top of sandstone boulder; aluminum tablet stamped "7135 B. M. 304" .....	7, 133. 708
Halfway House, 3.6 miles east of, on top of divide 15 feet south of road, 50 feet east of track, in top of sandstone post; aluminum tablet stamped "7758 B. M. 307" .....	7, 754. 845
Halfway House, 8 miles south of, 15 feet east of road, on top of ridge, in top of sandstone post; aluminum tablet stamped "7402 B. M. 311" .....	7, 399. 169

**From Pagosa Springs northeast 11.5 miles (double-rodged line).**

Pagosa Springs; base of watering trough marked "7079" .....	7, 077. 804
Pagosa Springs, 1 mile northeast of, 150 feet southeast of county road, 300 feet south of log house and large barn; copper nail in root of pine tree, painted "7196" .....	7, 197. 25
Pagosa Springs, 2.2 miles northeast of, 10 feet west of county road, 400 feet east of log house; copper nail in root of large pine tree, painted "7272" ..	7, 273. 23
Pagosa Springs, 3.4 miles northeast of, 10 feet north of county road, 120 feet west of crossing of county road by old log tramway, 150 feet north- west of road forks; copper nail in root on northwest side of large pine tree, painted "7449" .....	7, 449. 79
Pagosa Springs, 4.2 miles northeast of, 150 feet northeast of culvert over Fourmile Creek, 50 feet east of county road, 500 feet southwest of Grimes's ranch house, 0.5 mile northwest of San Juan River, in top of granite rock; aluminum tablet stamped "7254" .....	7, 254. 988
Pagosa Springs, 5.2 miles northeast of, 0.5 mile east of mouth of Fourmile Creek, 200 feet south of San Juan River, 150 feet east of angle in road south; copper nail in root of 20-inch pine tree, painted "7289" .....	7, 289. 62

Pagosa Springs, 6.3 miles northeast of, 800 feet southwest of barn and small house, 200 feet north of San Juan River, 100 feet north of old county road, 1,200 feet northeast of ford; copper nail in root of 24-inch pine tree, painted "7301".....	Feet. 7,301.90
Pagosa Springs, 7.3 miles northeast of, 120 feet north of San Juan River road, 200 feet southwest of fork of county road and river road, 1,500 feet north of San Juan River, in granite rock; aluminum tablet stamped "7429".....	7,429.534
Pagosa Springs, 8.3 miles northeast of, 40 feet south of county road, 80 feet west of culvert over small arroyo, 800 feet north of San Juan River; copper nail in northeast side of 30-inch pine tree, painted "7456".....	7,457.38
Pagosa Springs, 9.4 miles northeast of, 150 feet northeast of culvert over Turkey Creek, 150 feet southeast of Strong house, 400 feet north of San Juan River, in boulder 6 by 6 by 36 inches set 30 inches in ground; aluminum tablet stamped "7465".....	7,465.738
Pagosa Springs, 10.5 miles northeast of, 5 feet north of county road, 200 feet west of arroyo, 900 feet west of San Juan River; copper nail in root of 18-inch pine tree, painted "7606".....	7,607.46
Pagosa Springs, 11.5 miles northeast of, 400 feet northeast of forks of road, 600 feet west of West Fork ford, 0.6 mile north of junction of West Fork and San Juan River, in large rock; aluminum tablet stamped "7660".....	7,660.760
<b>From mouth of West Fork of San Juan River north along highway 10 miles up West Fork.<sup>1</sup></b>	
Pagosa Springs, 12.5 miles northeast of, 200 feet north of Chapson's house, 70 feet east of road, in root of pine tree; spike.....	7,713.04
Pagosa Springs, 13.8 miles northeast of, 200 feet east of Elmer Chapson's house and 150 feet south of his barn, 10 feet west of road, in boulder; bronze tablet stamped "7736".....	7,735.782
Pagosa Springs, 15 miles northeast of, 80 feet northwest of bridge, west side of San Juan River, 30 feet north of road; top of large boulder.....	7,725.22
Pagosa Springs, 16 miles northeast of, 100 feet northeast of Himes's house, 10 feet west of road; top of boulder, marked "7870".....	7,869.68
Pagosa Springs, 16.6 miles northeast of, 60 feet east of road, 50 feet north of fence corner, in solid rock, 10 inches above ground; bronze tablet stamped "7851".....	7,851.166
Pagosa Springs, 18.8 miles northeast of, at gate, in root of spruce tree; nail marked "8264".....	8,233.56
Pagosa Springs, 19.1 miles northeast of, 50 feet northeast of Henry Born's house, 6 inches above ground, in solid rock; bronze tablet stamped "8373".....	8,372.447
Pagosa Springs, 20.4 miles northeast of, 5 feet east of trail, 200 feet south of small park, in root of 20-inch spruce tree; nail marked "8629".....	8,629.06
Pagosa Springs, 21.2 miles northeast of, 100 feet northeast of a sulphur spring, 50 feet west of trail, 70 feet south of small creek from west, in solid rock, 5 inches above ground; bronze tablet stamped "8687".....	8,686.043

**Durango, La Plata, Mancos, Red Mesa, and Soda Canyon 15' quadrangles and Cortez and Ignacio 30' quadrangles.**

#### LA PLATA AND MONTEZUMA COUNTIES.

The elevations in the following list are based on heights of bench marks in southwest Colorado.

<sup>1</sup> An excessive error was distributed in this line.

The leveling was done in 1910 by M. R. McDanal and by R. M. Copeland in 1911.

Additional leveling was done in Soda Canyon quadrangle in 1912 by C. P. McKinley.

The leveling in Red Mesa quadrangle was done in 1911 by R. M. Copeland.

#### DURANGO QUADRANGLE.

[Latitude 37° 15'–37° 30'; longitude 107° 45'–108°.]

From Durango west along Rio Grande Southern R. R. 2 miles (double-rodged line).

Feet.

Durango, near freight depot, west of railroad; iron pin in boulder.....	6,516.89
Durango, 1 mile west of, on trestle over Lightner Creek; iron pins in cross tie.....	6,523.26
Durango, 1.7 miles west of, near road crossing at brickkiln, in bridge over Lightner Creek; iron pins.....	6,523.24
Durango, 2.1 miles west of; spike in base of milepost 160.....	6,596.33
	6,596.25
	6,660.26

#### IGNACIO QUADRANGLE.

[Latitude 37°–37° 30'; longitude 107° 30'–108°.]

From point 4 miles west of Durango along Rio Grande Southern R. R. to point 3 miles west of Porter.

Durango, 4 miles west of, on south side of railroad; cross marks in boulder.....	6,944.08
Porter, 2 miles east of, south side of wagon road, 4 feet from southwest corner of frame shack, 12 feet above road, in sandstone ledge; aluminum tablet stamped "6980".....	6,944.06
Porter, 1 mile west of, in north side of milepost 156; nail.....	6,977.928
Porter, 2 miles west of, in base of milepost 155; spike.....	7,130.18
Porter, 3.3 miles west of, on small divide, north side of highway, in top of stump; bolt.....	7,191.84
	7,383.46
	7,383.43

#### LA PLATA QUADRANGLE.

[Latitude 37° 15'–37° 30'; longitude 108°–108° 15'.]

From point 3 miles west of Porter northwest along railroad to Menefee (double-rodged line).

Porter, 5.5 miles west of, northeast side of crossing of railroad and highway; cross on top of boulder.....	8,004.73
Ute Junction, 0.1 mile east of, at north end of Y; bolts in base of switch block.....	8,004.71
Hesperus, south end of siding, at tool house; bolts in base of switch block.....	8,101.31
Hesperus, 50 feet west of station, 6 feet below level of track, in granite boulder; aluminum tablet stamped "8113".....	8,101.37
Hesperus, 1.1 miles west of, on north side of track; cross marks on top of boulder.....	8,117.47
Hesperus, 1.4 miles west of; spikes in north side of base of milepost 144.....	8,117.51
Hesperus, 2.4 miles west of; spikes in north side of base of milepost 143.....	8,241.67
Hesperus, 3.5 miles west of, at branch road to north; spike in base of switch block.....	8,242.03
	8,290.19
	8,290.14
	8,413.53
	8,413.47
	8,557.73



	Feet.
Hesperus, 3.8 miles west of, top of divide, 50 feet south of railroad, in sandstone boulder; aluminum tablet stamped "8585".....	8, 583. 110
Cima, west end of siding; spike in base of switch block.....	8, 581. 93
Cima, 1.3 miles west of; spikes in north side of base of milepost 140.....	{ 8, 563. 82 8, 563. 61
Cima; 2.3 miles west of; spike in north side of base of milepost 139.....	8, 444. 74
Cima, 3.3 miles west of; spikes in base of milepost 138.....	{ 8, 325. 77 8, 325. 70
Cima, 4.3 miles west of; spike in north side of base of milepost 137.....	8, 254. 50
Cima, 4.8 miles west of, east end of siding at Dix; spikes in base of switch block.....	{ 8, 218. 22 8, 218. 34
Dix, 20 feet south of main track, midway between switch block at west end of siding and derail switch block, 330 feet west of station sign, in sandstone boulder; aluminum tablet stamped "8209".....	8, 207. 468
Dix, 0.4 mile west of; spikes in north side of base of milepost 136.....	{ 8, 189. 06 8, 188. 78
Dix, 1.4 miles west of; spikes in north side of base of milepost 135.....	{ 8, 158. 38 8, 158. 23
Dix, 2.4 miles west of; spikes in north side of base of milepost 134.....	{ 8, 140. 68 8, 140. 50
Grady, at east end of siding; spike in base of milepost 133.....	8, 133. 38
Grady, 1.7 miles south of, on divide between Mancos River and Cherry Creek, 25 feet south of wagon road, 200 feet south of frame shack, 25 feet north of blazed pine tree, in sandstone boulder; aluminum tablet stamped "7956".....	7, 954. 310
Menefee, 0.3 mile west of, 520 feet east of milepost 125, 8 feet below and 10 feet north of railroad track, in sandstone boulder; aluminum tablet stamped "7263".....	7, 261. 316

**From point northeast of Fort Lewis school north along highways to Hesperus.**

Fort Lewis School, dining hall, 2 miles northeast of, along road to Hesperus, 5 feet east of, 450 feet south of forks of road to Hay Gulch; top point of granite boulder, marked "U. S. 7822".....	7, 824. 75
Hesperus, 2.5 miles south of, 1,200 feet east of bridge over La Plata River, at fence corner northwest of turn in road to west, at T road east to Fort Lewis railroad station; iron post stamped "7843".....	7, 845. 445
Hesperus, 1.5 miles south of, 10 feet east of road, 150 feet southwest of ranch house on east side of road; top point of stone, marked "U. S. 7949".....	7, 951. 47
Hesperus, 0.3 mile south of, 15 feet east of road south, 50 feet south of dance hall; spike in root of large pine tree, marked "U. S. 8074".....	8, 074. 88
Hesperus, 60 feet west of southwest corner of railroad station, in 3-foot granite rock; aluminum tablet stamped "8113".....	8, 111. 778

**From point near Grady east and south along highway to point 3.1 miles south of Sponsel's sawmill.**

Grady, 0.2 mile south of, on divide between Mancos River and Cherry Creek, 25 feet south of wagon road, 200 feet south of frame shack, 25 feet north of blazed pine tree, in sandstone boulder; aluminum tablet stamped "7956".....	7, 952. 310
Divide, 1.1 miles east of, turn at foot of graded road to south, southwest of turn in road; copper nail in corner fence post, marked "7605".....	7, 605. 53
Divide, 1.3 miles east by 0.5 mile south of, east of road, in root on west side of large pine tree marked "South Boundary Montezuma National Forest"; copper nail, marked on blaze 3 feet above ground "7539"....	7, 539. 90

Sponsel's sawmill, 0.7 mile north of, 950 feet north of turn in road to west, 3 feet west of fence east of road, in top of sandstone rock; bronze tablet stamped "7369" .....	Feet. 7, 369. 988
Sponsel's sawmill, 0.1 mile south of, 80 feet south of barn west of road, 5 feet west of road; point near top of 3-foot stone, marked "U. S. 7298" ..	7, 299. 12
Sponsel's sawmill, 1.1 miles south of, 50 feet west of gate on road to Pilcher's ranch house, 25 feet above road, on west side; top point of large rock, marked "U. S. 7223" .....	7, 223. 47
Sponsel's sawmill, 2.3 miles south of, 4,800 feet south of deserted shacks, west of road, in top of 5-foot rock, marked "U. S. 7142"; bronze tablet stamped "7142" .....	7, 143. 236
Sponsel's sawmill, 3.1 miles south of, 200 feet south of south end of uncultivated plat 800 feet long, west side of road; top point of small stone, marked "U. S. 7083" .....	7, 083. 75

**MANCOS 15' QUADRANGLE.**

[Latitude 37° 15'-37° 30'; longitude 108° 15'-108° 30'.]

**From point near Mud Creek west along highways to point near Big Ditch.**

Mud Creek, 1.5 miles west of, in northeast corner of culvert over dry arroyo; spike. ....	6, 744. 92
Mud Creek, 2.2 miles west of, in northwest corner of culvert over dry arroyo; tack. ....	6, 807. 84
Divide between Mancos and Montezuma valleys, north side of road, in granite boulder; bronze tablet stamped "6949" .....	6, 950. 178
Divide, 0.9 mile west of; spike in north corner of culvert over arroyo, marked "U. S. 6734" .....	6, 735. 27
Divide, 1.6 miles west of; spike in northeast corner of culvert over dry arroyo, marked "U. S. 6670" .....	6, 671. 21
Divide, 2.4 miles west of, 350 feet east of culvert over intermittent stream, 1 foot south of blazed pine stump, north side of road, in granite boulder; bronze tablet stamped "6552" .....	6, 552. 991
Little Ditch, 0.5 mile west of, 1,000 feet west of division fence north; cross on top of sandstone north of road, marked "6458" .....	6, 459. 16
Big Ditch, 1 mile east of, king post bridge over dry arroyo, in southeast corner; spike in truss, marked "6355" .....	6, 356. 33
Big Ditch, culvert over; spike in northeast corner, marked "6260" .....	6, 260. 91

**From Menefee southwest along Rio Grande Southern R. R. to Mancos, thence southwest along highway to Point Lookout (double-rodged line).**

Menefee, 1.5 miles west of; spikes in base of milepost 124. ....	7, 149. 77
Menefee, 2.3 miles west of, at siding to south; bolt in base of switch block. ....	7, 080. 83
Mancos, intersection of Main Street and Grand Avenue, southwest corner of First National Bank building, in third course of masonry; aluminum tablet stamped "7035" .....	7, 033. 388
Mancos, 0.9 mile west of, in fence around McGrew's residence; spike in base of gatepost. ....	6, 965. 29
Mancos, 2.7 miles west of, on south side of road, 250 feet east of yellow house on north side of road; spike in base of gatepost. ....	6, 872. 44
Mancos, 3.1 miles west of, at T road south; spike in base of fence post. ..	6, 789. 41
Mud Creek, 0.1 mile east of, top of hill at sharp bend in road, north side of road; spike in fence post. ....	6, 695. 30
Mud Creek, 60 feet east of bridge, on fence line, north side of road, in granite boulder; aluminum tablet stamped "6631" .....	6, 629. 214

Mud Creek, 1.1 miles west of, 200 feet north of road; spike in base of telegraph pole.....	Feet. 6,684.31
Mud Creek, 1.5 miles west of; spike in east end of truss of bridge over dry arroyo.....	6,717.30
Government Cabin, 40 feet southwest of, at entrance to Mesa Verde National Park, in sandstone boulder; aluminum tablet stamped "7239".	7,237.202
Government Cabin, 0.3 mile south of, divide between Mancos and Dolores rivers, just north of road at edge of park boundary; spike in base of cedar tree.....	7,458.25
Lookout triangulation station, Mesa Verde Park, in sandstone boulder at base of piñon tree used as signal; aluminum tablet stamped "8431"...	8,429.251

**From Point Lookout south along trail to point 3.5 miles south of Morfield Canyon (single-rodged line).**

Morfield Canyon, 0.9 mile from head of, 25 feet northeast of trail; top of sandstone boulder.....	7,743.20
Morfield Canyon, 2.2 miles from head of, quarter corner 150 feet west of large boulder, 150 feet east of blazed pine tree; top of stone.....	7,530.78
Morfield Canyon, 2.3 miles from head of, 200 feet south of cabin, 700 feet north of windmill, in sandstone boulder; aluminum tablet stamped "7510".....	7,507.923
Morfield Canyon, 2.4 miles from head of, in base of foundation of windmill; spike.....	7,483.80

**From East Gap at head of Morfield Canyon to West Fork Canyon (single-rodged line).**

Divide between Prater and Moccasin canyons, 25 feet south of trail; nail in root of lone pine tree.....	8,326.24
Divide between Moccasin Canyon and east fork of School Section Canyon, south side of trail; top of sandstone boulder.....	8,358.31
School Section Canyon, head of east fork, on north side of trail; top of sandstone boulder.....	8,232.39
School Section Canyon, ridge between east and west forks of, on north side of trail; top of sandstone boulder.....	8,347.114
School Section Canyon, head of west fork, 25 feet north of trail, 50 feet south of rim rock, in northeast corner of sandstone boulder; aluminum tablet stamped "8155".....	8,153.151

**From Park south along trail 2 miles (single-rodged line).**

Park, triangulation station, in base of sandstone boulder; aluminum tablet.....	8,572.31
Park, 0.4 mile south of, on ridge, east side of trail; top of sandstone boulder.....	8,421.29
Park, 1.7 miles south of, on ridge, in old ruins on west side of trail; top of sandstone boulder.....	8,087.36
Park, 2.1 miles south of, on ridge, at bend, on southeast side of trail; top of sandstone boulder.....	7,983.67

**From head of Soda Canyon west to ridge between west prong of east fork and east prong of west fork of Little Soda Canyon (single-rodged line).**

Soda Canyon, head of, in trail 300 feet west of drain; top of sandstone boulder.....	8,155.47
Soda Canyon and prong of east fork of Little Soda Canyon, on head of ridge between, old trail; top of sandstone boulder.....	8,399.79

Little Soda Canyon, head of ridge between east and west prongs of east fork of, on north side of trail; top of sandstone boulder.....	Feet. 8, 309. 12
Little Soda Canyon, ridge between west prong of east fork and east prong of west fork of, on north side of trail; top of sandstone boulder.....	8, 303. 28

## SODA CANYON QUADRANGLE.

[Latitude 37°-37° 15'; longitude 108° 15'-108° 30'.]

From point 4.5 miles south of head of Morfield Canyon south 1.3 miles (single-rodged line).

T. 35 N., R. 14 W., 500 feet southwest of corner between secs. 32 and 33, 5.8 miles from head of Morfield Canyon, in sandstone boulder in old ruins; aluminum tablet stamped "7220" .....	7, 218. 026
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From point 2.7 miles south of Park south 0.3 mile.

Park, 2.7 miles south of, on ridge, east side of trail, in sandstone boulder; aluminum tablet stamped "7895" .....	7, 893. 329
Park, 3 miles south of, on ridge, east side of intersection of trails; top of sandstone boulder.....	7, 812. 04

From milepost 76.5 on Ute Reservation line to head of Spruce Tree Canyon.

Milepost 76.5 on Ute Reservation line, east side of road, in top of; spike..	7, 357. 84
Spruce Tree Canyon, head of, 25 feet southeast of reservoir, 200 feet north of Spruce Tree House, in rim rock; aluminum tablet stamped "6932" ..	6, 930. 468

From Spruce Tree House along trails south to Balcony House, thence east to Morfield Canyon, thence north to point north of Morfield Canyon.

Spruce Tree House, 200 feet north of, in top of cliff; aluminum tablet stamped "6932" .....	6, 930. 468
Spruce Tree House, 0.6 mile southeast of, lowest limb on piñon on north side of trail; point cut, marked "6944" on tree.....	6, 942. 19
Spruce Tree House, 1 mile southeast of; point on rock south of trail, marked "6910" .....	6, 908. 79
Cliff Palace, 200 feet west of, on prominent rocky point in cliff; bronze tablet stamped "6789" .....	6, 789. 982
Balcony House, 0.2 mile north of, foot trail crosses top of cliff; bronze tablet stamped "6773" .....	6, 773. 895
Balcony House, 1.7 miles east of, 200 feet east of a park free from trees, south side of small drain on rock outcrop; top point marked "6825" ..	6, 826. 30
Balcony House, 2.4 miles east of, 1,500 feet west of fork of Morfield and Prater canyons, in west wall of small cove of Morfield Canyon, top of upper cliff; point on rock, marked "6789" .....	6, 789. 74
Mancos River, fork with Morfield Canyon, 0.7 mile north of, bottom of second cliff from top, on west side of Morfield, in cove opposite a cliff house on east side; top of large rock, marked "6573" .....	6, 573. 60
Mancos River, fork with Morfield Canyon, 1.4 miles north of, on forested ridge on west side of Morfield; top point of uppermost of three prominent large rocks, marked "6245" .....	6, 245. 67
Morfield Canyon; fork with Prater Canyon, 100 feet north of actual stream fork, in top of large rock; aluminum tablet stamped "6086" .....	6, 086. 696
Morfield Canyon, fork with Waters Canyon, 4-foot rock on east bank of Waters stream bed; point near top, marked "6327" .....	6, 328. 10
Morfield Canyon, fork with Waters Canyon, 0.6 mile north of, east edge of stream bed and east of trail; point near west side of rock, marked "6497" ..	6, 497. 81

Morfield Canyon, fork with Waters Canyon, 2.4 miles north of, on east side of stream bed, in top of 8-foot rock marked on north side "U. S." and on west side "6802"; bronze tablet stamped "6802".....	Feet. 6, 803. 381
Morfield Canyon, fork with Waters Canyon, 3.1 miles north of, on bench caused by rim rock, at north edge of timber; 2-foot flat rock west of trail, marked "7007".....	7, 008. 41
Morfield Canyon, fork with Waters Canyon, 4.9 miles north of, 25 feet north of lower trail, 300 feet west of stream bed, in wall of ancient house (now ruin), in small stone; aluminum tablet stamped "7220"...	7, 218. 026

**From forks of Morfield and Prater canyons south to sec. 22, T. 33 N., R. 15 W., thence east to corner of secs. 9, 10, 15, and 16, T. 33 N., R. 13 W.**

NOTE.—An excessive error of 0.8 foot was adjusted in this 24-mile line.

Morfield Canyon, forks with Prater Canyon, 100 feet north of actual stream forks, in top of large rock; tablet stamped "6086".....	6, 086. 696
T. 33 N., R. 15 W., sec. 1, 150 feet northeast of mouth of Morfield Canyon, 10 feet east of trail, 60 feet north of sharp turn in Mancos River at west end of cliff; chiseled square on sandstone rock, painted "U.S.B.M. 5824".....	5, 824. 99
T. 33 N., R. 15 W., sec. 2, 300 feet north of mouth of small canyon to north, 160 feet north of trail, 500 feet northeast of trail crossing of Mancos River; chiseled square on sandstone rock, painted "U.S.B.M. 5792.8".....	5, 793. 73
T. 33 N., R. 15 W., sec. 11, 15 feet northwest of mouth of Soda Canyon, 4 feet north of trail, 6 feet west of actual stream bed, in top of sandstone rock; bronze tablet stamped "5751".....	5, 751. 870
T. 33 N., R. 15 W., sec. 10, 300 feet west of small canyon to north, 100 feet north of trail; chiseled square on large sandstone rock, painted "U.S.T.B.M. 5748.5".....	5, 749. 44
T. 33 N., R. 15 W., sec. 22, 3,000 feet southwest of mouth of Johnson Canyon, on west end of stony point, 100 feet south of sharp turn in Mancos River, 60 feet west of old trail, 50 feet north of small canyon, in top of large rock; bronze tablet stamped "5688".....	5, 689. 087
T. 33 N., R. 15 W., sec. 22, 6 feet west of old Ute trail, 20 feet south of old brush fence over trail, 600 feet south of where trail comes into very low gap, on north edge of rim rock; chiseled square on top of large sandstone rock, painted "U.S.T.B.M. 6197".....	6, 198. 20
Broad timbered ridge, 1,000 feet south of rim rock of Johnson Canyon, 10 feet north of trail; copper nail in root of piñon tree, painted "U.S.B.M. 6553.5".....	6, 554. 61
Old Ute trail, top of ridge trail leading east along Johnson Canyon, 6 feet north of trail, 50 feet west of angle in trail to south, in sandstone rock 36 by 8 by 8 inches set 34 inches in ground; bronze tablet stamped "6639".....	6, 639. 936
Ute trail, 200 feet east of small drain of Black Canyon, 6 feet north of trail; copper nail in root of cedar tree, painted "U.S.B.M. 6682".....	6, 683. 33
Top of ridge, 6 feet north of spur ridge to south, 200 feet south of mound and small reservoir; copper nail in root of piñon tree, painted "U.S.T.B.M. 6741.3".....	6, 742. 70
Old Ute trail, top of ridge, 6 feet north of trail, 3 feet west of arroyo of Grass Canyon, in top of large sandstone rock; bronze tablet stamped "6755".....	6, 756. 053
Old Ute trail, top of ridge, 12 feet north of trail, 100 feet east of forks of trail; copper nail in root of 20-inch cedar tree, painted "U. S. B. M. 6813.5".....	6, 814. 77

Ute trail, 100 feet south of, 100 feet southwest of forks of Johnson Canyon, on east edge of rim rock, 500 feet east of where trail crosses over rim rock, in top of sandstone cliff; bronze tablet stamped "6685".....	Feet. 6, 685. 830
Trail up Johnson Canyon to Red Mesa, in extreme head of canyon, 30 feet north of trail, 150 feet west of piñon thicket; copper nail in root of large cedar tree, painted "U.S.T.B.M. 6831" .....	6, 832. 49
Top of ridge in low gap head of Ponds Arroyo and Johnson Canyon, dividing ridge between Montezuma and La Plata counties, 10 feet north of trail; copper nail in root of large cedar tree, painted "U.S.T.B.M 7009" .....	7, 010. 60
T. 33 N., R. 13 W., southwest corner of sec. 18, 300 feet north of trail, in sandstone rock 6 by 6 by 30 inches, set 26 inches in ground; bronze tablet stamped "6857" .....	6, 857. 986
T. 33 N., R. 13 W., sec. 18, 10 feet north of old Ute trail, at west end of piñon thicket; copper nail in root of piñon tree, painted "U.S.B.M. 6797" .....	6, 798. 49
T. 33 N., R. 13 W., sec. 17, 20 feet north of trail, 100 feet southeast of clump of trees; copper nail in root of 14-inch piñon tree, painted "U.S.B.M. 6762" .....	6, 762. 98
T. 33 N., R. 13 W., corner of secs. 9, 10, 15, and 16, in top of sandstone rock 6 by 12 by 36 inches, set 30 inches in ground; bronze tablet stamped "6686" .....	6, 687. 532

## CORTEZ QUADRANGLE.

[Latitude 37°-37° 30'; longitude 108° 30'-109°.]

From point near Big Ditch west along highways to Cortez, thence south and east along highways to Pinon triangulation station.

Big Ditch, 0.8 mile west of, low ridge of sandstone north of road 25 feet, 25 feet south of lone piñon, in most southern point of outcrop; bronze tablet stamped "6215" .....	6, 215. 705
McElmo Creek, bridge over, under truss on south side near king post; spike in floor, marked "U. S. 6129" .....	6, 129. 66
McElmo Creek, 1 mile west of, at white house (Crescent Hill), east gatepost of team drive; spike in west face of post near ground, marked "6176" .....	6, 176. 58
Cortez, northeast corner of Main and Market streets, Montezuma Valley National Bank, in third tier of masonry; aluminum tablet stamped "6198" .....	6, 199. 351
Cortez, 0.6 mile southwest of, ditch at turn of road to west, on northwest side of turn; nail in post, marked "6167" .....	6, 167. 98
Cortez, 1.5 miles south of, 700 feet east of white ranch house on ridge, 75 feet northwest of fence corner, on prominent outcrop of sandstone north of road; small projection marked "6088" .....	6, 089. 06
McElmo Creek, concrete bridge over, center of east side; bronze tablet stamped "5926" .....	5, 926. 910
T. 35 N., R. 16 W., corner of secs. 4, 5, 8, and 9, southwest corner of T road south to Navajo Springs; spike in fence post, marked "5881" .....	5, 882. 49
T. 35 N., R. 16 W., corner of secs. 8, 9, 16, and 17, northwest corner of crossroads; spike in fence post, marked "5940" .....	5, 941. 35
T. 35 N., R. 16 W., 1 mile south of corner of secs. 8, 9, 16, and 17; spike in southwest corner of culvert over large ditch, marked "6033" .....	6, 033. 78
T. 35 N., R. 16 W., quarter corner between secs. 20 and 21, in fence corner northwest of road; spike in post, marked "U. S. 6083" .....	6, 084. 48

T. 35 N., R. 16 W., 0.5 mile southwest of quarter corner between secs. 20 and 21, 145 feet west of north end of fence on High Line ditch over dry arroyo, 15 feet northwest of large cedar tree, on north bank, in sandstone; bronze tablet stamped "6162" .....	Feet. 6, 163. 119
Oil-well derrick, 1.7 miles south of, in west truss of flume over dry arroyo; top of bolt.....	6, 179. 94
Oil-well derrick, 1.2 miles south of, flume over dry arroyo, at south end; spike in west end of top brace, marked "6174" .....	6, 175. 12
Oil-well derrick, 3 miles southeast of, northwest corner of fence of small farm; spike in post, marked "6210" .....	6, 211. 14
Oil-well derrick, 0.8 mile east of, first ridge of piñons west of shale knife edge running up Krueger Point, at top of bank of gully; small projection at top of large rock, marked "6326" .....	6, 326. 74
Krueger Point (lower cliff), 0.3 mile northwest of, on side of hill; top point of brown rock, marked "6397" .....	6, 398. 09
Pinon, 0.6 mile north of, in shale knife edge running northeast from Pinon; top point of large sandstone rock in wash, marked "6548" .....	6, 548. 71
Pinon, 0.6 mile north of, divide on shale knife edge running northeast from Pinon; spike in cedar tree, marked "6784" .....	6, 785. 43
Krueger Point (lower cliff), 0.2 mile north of, ridge running northeast from shale knife edge; point on large rock, marked "6831" .....	6, 832. 49
Krueger Point (lower cliff), 350 feet north of, last ridge running into shale knife edge at south end on east side, 25 feet east of highest large cedar on ridge; small rock marked "7071" .....	7, 072. 09
Krueger Point (lower cliff), 400 feet east of; projection near top point of large rock, marked "7217" .....	7, 217. 69
Krueger Point (lower cliff), first break on east side; three projections on large prominent rocks marked, respectively, "7309," "7403," "7494" .....	7, 309. 74 7, 403. 67 7, 494. 83
Krueger Point (lower cliff), 0.4 mile south of, trail crosses top of upper cliff; projection on rock, marked "8124" .....	8, 125. 08
Horse Canyon, east branch head of; point on rock, marked "8199" .....	8, 197. 22
Piñon triangulation bench mark, at foot of stripped piñon tree, top of hill; aluminum tablet stamped "8310" (bench mark is loose $\frac{1}{16}$ inch) .....	8, 308. 118
<b>From east prong of west fork of Little Soda Canyon south along trail to point 4 miles north of head of Spruce Tree Canyon (single-rodged line).</b>	
Little Soda Canyon, head of east prong of west fork of, 200 feet north of old trail, 300 feet east of Kelly's trail; top of sandstone boulder.....	8, 123. 15
Little Soda Canyon, summit and head of ridge between north prong of west fork of, and east fork of Navajo Canyon, 10 feet south of bluff, in sandstone boulder; aluminum tablet stamped "8338" .....	8, 336. 338
Little Soda Canyon, 1,200 feet south of head of north prong of west fork of, on east side of Kelly's trail; top of sandstone boulder.....	7, 995. 73
Rim of mesa, 3.2 miles south of, 15 feet west of road, in sandstone boulder by pile of rocks; aluminum tablet stamped "7639" .....	7, 637. 746
<b>From east fork of Navajo Canyon southwest along highway and trail to Pinon (single-rodged line).</b>	
Navajo Canyon, head of east fork of, 25 feet west of drain, 10 feet south of bluff; top of sandstone boulder.....	8, 097. 14
Long Canyon, summit of ridge between first and second prongs of, 300 feet south of bluff, 10 feet north of old trail, in boulder; aluminum tablet stamped "8300" .....	8, 298. 370

## RED MESA QUADRANGLE.

[Latitude 37°-37° 15'; longitude 108°-108° 15'.]

From point south of Sponsel's sawmill along highways south, east, and north via Red Mesa, Kline, and Breen to point near Fort Lewis School.

	Feet.
Sponsel's sawmill, 4.3 miles south of, sec. 31, T. 35 N., R. 12 W., 300 feet south of farmhouse in small canyon west of road, 50 feet west of clump of large scrub oaks in corral east of road, 10 feet west of road; point near north end of 3-foot stone, marked "U. S. 7054".....	7, 055. 02
T. 34 N., R. 12 W., sec. 6, 0.2 mile south of Redmesa, on road to Redmesa and Hay Gulch, T "Hill road" east from Cherry Creek, 40 feet west of northwest corner of fence, 45 feet west of road, 1 foot east of flume, on prominent outcrop of sandstone with small flume built around it; aluminum triangulation tablet stamped "6976".....	6, 977. 388
T. 34 N., R. 12 W., sec. 7, 1.1 miles south of T "Hill road" east to Redmesa, 300 feet south of wash flowing east, 50 feet north of gate, in fence post near ground; copper nail in knot, marked "U. S. 6919".....	6, 920. 08
T. 34 N., R. 13 W., sec. 11, 2.1 miles south of T "Hill road" east to Redmesa, 600 feet west of ditch, 300 feet north of Mossman's ranch house; copper nail in fence post, marked "6842".....	6, 843. 18
T. 34 N., R. 13 W., sec. 13, 40 feet east of ditch, 100 feet southeast of fence west, 800 feet northeast of Kristensen's ranch house, in west (lower) edge of 20-foot rock; bronze tablet stamped "6823".....	6, 824. 384
T. 34 N., R. 13 W., sec. 24, 1,100 feet southeast of ranch house ("Rancho del Ego") 100 feet east of road; copper nail in root of dead cedar tree, marked "U. S. 6747".....	6, 748. 17
T. 34 N., R. 13 W., sec. 25, 900 feet south of ranch house, 275 feet west of corner of fence; copper nail in top of fence post, marked "U. S. 6697".....	6, 698. 15
T. 34 N., R. 13 W., sec. 25, 490 feet north of ranch house, 15 feet west of road, in top of large rock marked on east side "U. S. 6653"; bronze tablet stamped "6653".....	6, 653. 663
T. 34 N., R. 13 W., sec. 36, north end of small bench climbed by road, north end of 100-foot wide alluvial fan, 10 feet east of road; on top of small upright stone, marked "U. S. 6609".....	6, 610. 38
T. 33 N., R. 13 W., sec. 1, 840 feet south of ranch house, 25 feet east of road; top point of large rock, marked "U. S. 6548".....	6, 549. 48
T. 33 N., R. 12 W., sec. 7, 0.2 mile north of fork of La Plata River with Cherry Creek, 400 feet west of point of mesa between streams, 35 feet west of road, in top of large rock marked on north side "U. S. B. M. 6468"; aluminum tablet stamped "6468".....	6, 469. 604
T. 33 N., R. 12 W., secs. 7 and 18, 0.4 mile east by 0.5 mile south of fork of La Plata River and Cherry Creek, at T fence north; copper nail in post, marked "6551".....	6, 551. 55
Red Mesa, secs. 8 and 17, T. 33 N., R. 12 W., 50 feet south of front yard of house, 1 foot east of path to house; iron post stamped "6618".....	6, 618. 895
T. 33 N., R. 12 W., corner of secs. 4, 5, 8, and 9, southeast of road crossing, northwest of brick house; copper nail in corner brace of fence, marked "U. S. 6677".....	6, 678. 44
T. 33 N., R. 12 W., corner of secs. 4, 3, 9, and 10, southeast of crossroads; copper nail in fence post at corner, marked "U. S. 6748".....	6, 749. 28
T. 33 N., R. 12 W., corner of secs. 2, 3, 10, and 11, 1 foot south by 1 foot east of southwest corner of crossroads, in fence corner; iron post stamped "6802".....	6, 803. 249



T. 33 N., R. 12 W., corner of secs. 1, 2, 11, and 12, northeast of crossroads, southwest corner of small cemetery, in telephone post; copper nail marked "U. S. 6858".....	Feet. 6, 859. 082
Tps. 33 and 34 N., R. 12 W., corner of secs. 1, 2, 35, and 36, southwest of crossroads, corner of fence; copper nail in post, marked "U. S. 6946".....	6, 947. 58
Tps. 33 and 34 N., Rs. 11 and 12 W., corner of secs. 1, 6, 31, and 36, at corner of fence southwest of crossroads; iron post stamped "6980".....	6, 980. 705
T. 34 N., Rs. 11 and 12 W., corner of secs. 25, 30, 31, and 36, at northwest corner of crossroads; copper nail in fence post, marked "U. S. 7075".....	7, 076. 04
T. 34 N., Rs. 11 and 12 W., corner of secs. 19, 24, 25, and 30, 15 feet south of line fence east of road; copper nail in telephone post, marked "U. S. 7172".....	7, 173. 68
T. 34 N., Rs. 11 and 12 W., 0.2 mile south of corner of secs. 12, 18, 19, and 24, 25 feet east of fence corner north of turn in road to east, 2 feet west of telephone pole; iron post stamped "7224".....	7, 225. 394
T. 34 N., R. 11 W., sec. 18, 900 feet northeast of ranch house, 50 feet southwest of culvert of Hesperus road over irrigation ditch; copper nail in root of blazed piñon tree, marked on west side "U. S. 7301".....	7, 301. 74
T. 34 N., R. 11 W., 250 feet north of ford of road to Hesperus across La Plata River, 75 feet west of river, 20 feet west of blazed tree, 10 feet north of blazed tree; top of granite boulder, marked "U. S. 7321".....	7, 322. 50
T. 34 N., R. 11 W., secs. 6 and 7, 0.3 mile south of Breen, 1,200 feet northeast of Indian ranch house, east of road; copper nail in corner fence post, marked "U. S. 7441".....	7, 441. 75
T. 34 N., R. 11 W., not subdivided, 0.6 mile north of Breen, 5 feet west of road along river to Fort Lewis School, 1,100 feet south of large forked pine tree with blazed B. M. in root; top point of small granite boulder, marked "U. S. 7517".....	7, 518. 05
T. 34 N., R. 11 W., not subdivided, at Fort Lewis School, in stone threshold of west door of dining hall, 1 foot north of door; aluminum tablet stamped "7610".....	7, 611. 201
Fort Lewis School, 1.1 miles northeast of, 200 feet north of large quaking aspen tree on road to Hesperus, 5 feet east of road; top point of large granite boulder, marked "U. S. 7718".....	7, 720. 67

**From sec. 7, T. 33 N., R. 12 W., south along highways to Colorado-New Mexico State line; thence northeast to corner of secs. 1, 2, 11, and 12, T. 33 N., R. 12 W.**

La Plata River fork with Cherry Creek, 1.6 miles south of, 550 feet west of graded road off mesa, at foot of mesa, 10 feet east of river, 175 feet north of fence, northern of three cottonwood trees; copper nail in blaze on east side, marked "U. S. 6395".....	6, 396. 22
T. 33 N., R. 13 W., sec. 19, 1.8 miles south of intersection of Cherry Creek with La Plata River, 700 feet southeast of trail off bench on west side of valley, one forked and one straight cottonwood tree, 200 feet northeast of three trees which are on west edge of sage flat, on east side of valley; top point of prominent rock, marked "U. S. 6349".....	6, 349. 69
T. 33 N., R. 12 W., sec. 19, 2,000 feet south of small butte on west side of valley, 40 feet west of river, 500 feet south of small drain on west side of valley where trees completely fill it, in top of large sandstone rock; aluminum tablet stamped "6297".....	6, 297. 761
T. 33 N., R. 12 W., sec. 30, where river flows close to steep west side of valley; point near east edge of large sandstone rock, marked "6237".....	6, 238. 33

	Feet.
T. 33 N., R. 12 W., sec. 31, 0.6 mile north of hollow, 200 feet south of north end of willow thicket, at foot of bench on west side of valley, 5 feet west of road; point near center of small sandstone rock, marked "U. S. 6199".....	6, 200. 14
T. 32 N., R. 13 W., in second unnumbered section north of sec. 3, 10 feet east of county road, 120 feet south of small abandoned stone house, near west edge of large sandstone rock; aluminum tablet stamped "6149".....	6, 150. 110
T. 32 N., R. 13 W., first unnumbered section north of sec. 3, northwest corner of granary at Powell ranch house; copper nail marked "U. S. 6109".....	6, 109. 66
T. 32 N., R. 13 W., sec. 3, north end of doorstep on east side of M. S. Regnier's ranch house; copper nail marked "U. S. 6035".....	6, 036. 38
T. 32 N., R. 13 W., sec. 10, milepost on State line between Colorado and New Mexico, 0.1 mile east of La Plata River, 200 feet east of road; p. b. m., projection on top of post marked "♠", stamped "6000," post is stamped "47.375 M".....	6, 000. 841
T. 32 N., R. 13 W., sec. 3, 1.1 miles north of State line between Colorado and New Mexico where it is crossed by La Plata River, 1,500 feet east of Regnier's ranch house, 10 feet west of Durango-Farmington road; copper nail in fence post, marked "U. S. 6068".....	6, 068. 93
T. 32 N., R. 13 W., sec. 2, 400 feet east of fork of Durango-Farmington road and La Plata River road, 400 feet southeast of schoolhouse; spike in cedar tree marked "U. S. 6134".....	6, 135. 01
T. 32 N., R. 13 W., first unnumbered section north of sec. 2, 1 mile northeast of schoolhouse fork of Durango and La Plata roads, 20 feet west of Durango road; iron post stamped "6313".....	6, 314. 247
T. 32 N., R. 13 W., second unnumbered section north of sec. 1, 2 miles northeast of schoolhouse fork of Durango and La Plata roads, 500 feet south of fence west of road, 50 feet east of Durango road; copper nail in dead cedar tree, marked "U. S. 6446".....	6, 447. 38
T. 33 N., R. 12 W., secs. 33 and 34, T. 32 N., R. 12 W., sec. 3, T. 32 N., R. 13 W., third unnumbered section north of sec. 1, standard corner on 8 correction line north, 25 feet south of large cedar tree; copper nail in top of fence corner post, marked "U. S. 6466".....	6, 467. 07
T. 33 N., R. 12 W., quarter mile from west side of secs. 26 and 35, 15 feet east of Durango road, at corner of fence; iron post stamped "6582".....	6, 582. 929
T. 33 N., R. 12 W., sec. 26, 0.5 mile southwest of T road west from Durango road to Kline, 1,000 feet southwest of gate in northwest corner of fence, 10 feet east of Durango road; copper nail in cedar tree, marked "U. S. 6644".....	6, 645. 07
T. 33 N., R. 12 W., sec. 24, fork of road at top of west side of long hollow, 10 feet southeast of cedar tree; top of small stone, marked "U. S. 6667".....	6, 668. 02
T. 33 N., R. 12 W., corner of secs. 13, 14, 23, and 24, northwest of T road west, in fence corner; iron post stamped "6697".....	6, 697. 952
T. 33 N., R. 12 W., corner of secs. 11, 12, 13, and 14, in dead piñon tree in center of road east; copper nail marked "6772 U. S.".....	6, 773. 05
T. 33 N., R. 12 W., corner of secs. 1, 2, 11, and 12, at corner of fence northeast of crossroads; copper nail marked "U. S. 6858".....	6, 859. 08

From point 0.25 mile from west side of secs. 26 and 35, T. 33 N., R. 12 W., southeast along highways to McDermott arroyo, thence northeast along arroyo to sec. 35, T. 33 N., R. 11 W. (double-run spur line).

T. 33 N., R. 12 W., sec. 35, 1.5 miles north of Cinder Hills, 35 feet south of road to Soda Springs, on ridge running east; copper nail in bottom of blaze on large cedar tree, marked "U. S. 6401" .....	Feet. 6, 402. 31
T. 33 N., R. 12 W., sec. 1, 1,600 feet northwest of Soda Spring, 25 feet west of point of prominent rocky ridge of sandstone east of road, 15 feet east of road; top point of 4-foot sandstone rock, marked "U. S. 6195" ..	6, 196. 27
T. 33 N., R. 11 W., sec. 7, 3,900 feet north of McDermott arroyo with Soda Spring Gulch, 2 feet west of Old Pruett ditch, 150 feet east of road; cross on west edge of large rock partly covered by a cedar tree at its north end, marked "U. S. 6128" .....	6, 128. 92
T. 32 N., R. 11 W., sec. 18, 1,000 feet east of fork of McDermott arroyo with Soda Spring Gulch, point of mesa, near south edge of mesa, 170 feet south of Pruett ditch, 250 feet north of road; iron post stamped "6108" ..	6, 109. 225
T. 32 N., R. 11 W., sec. 17, 1.1 miles east of fork of Soda Spring Gulch and McDermott arroyo, 100 feet east of large flume for crossing of McDermott arroyo by Pruett ditch, on north bank; copper nail in eastern of two small cottonwood trees; marked "U. S. 6104" .....	6, 104. 99
T. 32 N., R. 11 W., sec. 17, on point running south from low hill north of arroyo, 700 feet north of group of large cottonwood trees; copper nail in small cedar tree, marked "U. S. 6151" .....	6, 151. 94
T. 32 N., R. 11 W., sec. 9, 400 feet north of McDermott arroyo, 200 feet south of small reservoir, 20 feet northwest of fence corner; iron post stamped "6200" .....	6, 201. 069
T. 32 N., R. 11 W., sec. 2, at north point of prominent ridge, 25 feet south of McDermott arroyo; point on 5-foot rock, marked "U. S. 6290" .....	6, 291. 08
T. 33 N., R. 11 W., sec. 35, 1.1 miles northeast of ridge, 400 feet north of small ridge south of arroyo, 20 feet west of large cedar tree blazed; iron post stamped "6396" .....	6, 396. 987
T. 33 N., R. 11 W., sec. 35, divide between McDermott arroyo (on east side) and main branch of it flowing northeast from fork, 0.5 mile west of ridge; copper nail in cedar tree on lowest point in divide, marked "U. S. 6596" .....	6, 596. 95

## APPENDIX A.

### ELEVATIONS ADJUSTED BY THE UNITED STATES COAST AND GEODETIC SURVEY FROM PRECISE LEVELING.

Aroya, Byers, Castle Rock, Cheyenne Wells, Colorado Springs, Denver, Eaton, Hugo,  
Kit Carson, Limon, and Ramah quadrangles.

ADAMS, ARAPAHOE, CHEYENNE, DOUGLAS, ELBERT, EL PASO, LINCOLN, AND  
WELD COUNTIES.

The following descriptions and elevations are taken from reports of the United States Coast and Geodetic Survey, and are republished by permission of the superintendent of that bureau. The bench marks were established by the Coast and Geodetic Survey, and were included in the 1912 adjustment by that bureau. The elevations are likely to be changed only slightly by any future adjustment.

#### CHEYENNE WELLS QUADRANGLE.

[Latitude 38° 30'-39°; longitude 102°-102° 30'.]

##### Along Union Pacific R. R.

Kansas-Colorado State line, north of track on railroad right of way, iron monument marking State line, surface of iron at intersection of two lines cut in upper surface of pedestal to monument, at southwest corner between round hole and corner, marked "U. S. B. M."; cross (C. & G. S. b. m. U <sub>2</sub> ).....	Feet. 3,876.016
Arapahoe, in yard around railroad section house, in southeast corner, in top of granite post, marked "U. S. B. M."; square (C. & G. S. b. m. A)...	4,013.509
Cheyenne Wells, brick railroad roundhouse, in about middle of limestone sill to window on left of entrance to roundhouse from main track, lettered "U. S. B. M."; bottom of square (C. & G. S. b. m. B).....	4,281.744

#### KIT CARSON QUADRANGLE.

[Latitude 38° 30'-39°; longitude 102° 30'-103°.]

##### Along Union Pacific R. R.

First View, in yard to railroad station and dwelling of agent, about middle of south side, just inside fence, in top of granite post, marked "U. S. B. M."; square (C. & G. S. b. m. C).....	4,579.443
Kit Carson, in front (east) wall of stone pump house to railroad water tank, fourth course above ground, in stone forming southeast corner, in end of copper bolt; intersection of cross (C. & G. S. b. m. D).....	4,287.714
Wildhorse, 1 mile east of, stone retaining wall of culvert, in top of coping, north of track, at west angle in wall; bottom of square, lettered "U. S. B. M." (C. & G. S. b. m. E).....	4,435.044

**AROYA QUADRANGLE.**

[Latitude 38° 30'-39°; longitude 103°-103° 30'.]

**Along Union Pacific R. R.**

	Feet.
Aroya, near east end of railroad section house, in top of granite post, marked "U. S. B. M."; square (C. & G. S. b. m. F).....	4, 563. 131
Boyero, in yard to railroad section house, in southeast corner, in top of granite post; square (C. & G. S. b. m. G):.....	4, 740. 384
Mirage, in brick pump house to railroad water tank, eighth course above stone foundation, sixth brick to right of door in entering, in end of copper bolt; intersection of cross (C. & G. S. b. m. H).....	4, 869. 898

**HUGO QUADRANGLE.**

[Latitude 39°-39° 30'; longitude 103°-103° 30'.]

**Along Union Pacific R. R. and Chicago, Rock Island & Pacific Ry.**

Hugo, in yard to county jail, east of building, in top of granite post, marked "U. S. B. M."; square (destroyed in 1898) (C. & G. S. b. m. I).	5, 045. 252
Hugo, in stone water table to brick jail, in front wall, near southeast corner of building, on right of door in entering jail, in end of copper bolt; intersection of cross (C. & G. S. b. m. J).....	5, 046. 453
Hugo, in stone water table to brick jail, in front wall, near southwest corner of building, on left of door in entering jail, in end of copper bolt; intersection of cross (C. & G. S. b. m. K).....	5, 046. 446

**LIMON QUADRANGLE.**

[Latitude 39°-39° 30'; longitude 103° 30'-104°.]

**Along Union Pacific R. R. and Chicago, Rock Island & Pacific Ry.**

Lake, near, nearly opposite milepost 544, south of track, in top of stone wing wall to railroad culvert, near west edge of wall on stone forming corner; bottom of square cut, lettered "U. S. □ B. M." (C. & G. S. b. m. L).....	5, 237. 581
Lake, in east (front) wall of stone pump house to railroad water tank, in fourth course above ground and third stone from southeast corner of building, in end of copper bolt; intersection of cross (C. & G. S. b. m. M).	5, 301. 580
Limon station, in northeast corner (near front fence) of yard to public school, in top of granite post; square cut (C. & G. S. b. m. N).....	5, 354. 310
Limon station, in sloping top of artificial stone foundation under north one of two western supports (nearest the track) to railroad water tank, near southeast corner of stone; bottom of square offset (C. & G. S. b. m. O).....	5, 377. 269
Limon, in sloping top of artificial stone foundation under one of supports to railroad water tank, on foundation under northwest one of central group of supports (4) near northwest corner of stone; bottom of square offset (C. & G. S. b. m. P).....	5, 377. 230
Resolis, in northeast corner of yard to railroad section house; limestone post (C. & G. S. b. m. Q).....	5, 577. 197
Mattison, in sloping surface of stone under north one of two western wooden posts supporting railroad water tank; at northeast corner of stone; bottom of square offset, lettered "U. S. □ B. M.".....	5, 790. 002
River Bend, in southeast corner of yard to railroad section house, in top of granite post; square cut (C. & G. S. b. m. River Bend N <sub>2</sub> ).....	5, 495. 596
Godfrey, in northwest corner of yard to railroad section house, in top of granite post; square cut (C. & G. S. b. m. M <sub>2</sub> ).....	5, 594. 254

Agate, in south (front) wall of stone pump house to railroad water tank, in sixth course above ground and second stone from southwest corner, on left of door as you enter, in end of copper bolt; intersection of cross (C. & G. S. b. m. L <sub>2</sub> ).....	Feet. 5,460.170
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**RAMAH QUADRANGLE.**

[Latitude 39°-39° 30'; longitude 104°-104° 30'.]

**Along Chicago, Rock Island & Pacific Ry.**

Ramah, yard to railroad section house, in southeast corner; in top of limestone post buried, marked "U. S. B. M." (C. & G. S. b. m. S).....	6,091.622
Calhan, in upper surface of offset of stone foundation supporting east one of wooden uprights under north side of railroad water tank, near northwest corner of stone, bottom of square; lettered "U. S. B. M." (C. & G. S. b. m. T).....	6,509.728
Peyton, Russel Gates Mercantile Co.'s store, in upper stone of foundation, on south side, at southeast corner of building, at west end of steps leading to front porch, in end of copper bolt; intersection of cross (C. & G. S. b. m. U).....	6,804.140

**COLORADO SPRINGS QUADRANGLE.**

[Latitude 38° 30'-39°; longitude 104° 30'-105°.]

**From Falcon along Chicago, Rock Island & Pacific Ry. to Colorado Springs, thence along Denver & Rio Grande R. R. to Husted.**

Falcon, in top of stone under east one of two supports under south side of Chicago, Rock Island & Pacific Ry. water tank, at southeast corner of stone; bottom of square offset, lettered "U. S. □ B. M." (C. & G. S. b. m. V).....	6,837.499
Falcon, Union Pacific, Colorado & Southern railroad bridge over Chicago, Rock Island & Pacific Ry., on west abutment, at north end, on top of stone forming third course above Chicago, Rock Island & Pacific Ry. track and first of series of steps or offsets leading to top of abutment; bottom of square cut, lettered "U. S. □ B. M." (C. & G. S. b. m. W). ..	6,812.591
Elsmere, in top of artificial stone under south one of two supports under east side of railroad water tank, at southwest corner of stone; bottom of square offset, lettered "U. S. □ B. M." (stone crumbles easily, and both mark and letters are roughly cut). (C. & G. S. b. m. X).....	6,421.264
Roswell, near upper surface of stone forming first step or offset in north abutment to Atchison, Topeka & Santa Fe Ry. bridge over Chicago, Rock Island & Pacific Ry., at east end; bottom of square cut, lettered "U. S. □ B. M." (C. & G. S. b. m. Y).....	6,115.900
Roswell, in stone roundhouse of Chicago, Rock Island & Pacific Ry., in south end, in upper surface of stone sill to window; bottom of square cut, lettered "U. S. □ B. M." (C. & G. S. b. m. Z).....	6,080.441
Colorado Springs, about 800 meters north of railroad station, in top of stone abutment to Denver & Rio Grande R. R. bridge over Monument Creek, west of track, on north abutment, on second stone from end where offsets begin; bottom of square hole, lettered "U. S. □ B. M." (C. & G. S. b. m. A <sub>1</sub> ).....	5,988.016
Colorado Springs, in wall of Denver & Rio Grande R. R. passenger station, in third course above platform and in second stone from southwest [?] corner of building, in east wall, in end of copper bolt; intersection of cross. (C. & G. S. b. m. B <sub>1</sub> ).....	5,981.205

Colorado Springs, north door (west side) of Denver & Rio Grande R. R. passenger station at, near front edge and north end of stone door sill, surface of sill. (There is no mark, and the location was pointed out by the city engineer. Its elevation has been determined by the railroad company) (city).....	Feet. 5, 980. 100
Colorado Springs, about 34.8 meters from middle of west window in south face of Denver & Rio Grande R. R. passenger station, on an unusually tall telegraph pole, about 20 inches in diameter, the nearer to the railroad station of two such poles on right of way; top of black band about base of pole. (C. & G. S. b. m. north mast).....	5, 982. 239
Colorado Springs, about 80.2 meters from middle of west window in south face of Denver & Rio Grande R. R. station, about 46 meters south of north mast bench mark, on an unusually large (in height and girth) telegraph pole, the southern one of two such poles on right of way, is also the most western of long line of similar poles extending from railroad line to the central telegraph office in Colorado Springs; top of black band about base of pole. (C. & G. S. b. m. south mast).....	5, 981. 212
Colorado Springs, head of nail in south mast level with center of vertical circle when mounted near Denver & Rio Grande R. R. passenger station at time observations for vertical angles on Pikes Peak and surrounding points were made in 1895. (C. & G. S. b. m. nail).....	5, 979. 378
Colorado Springs, in south face of Denver & Rio Grande R. R. passenger station, center of sill of west window. (Upper part of front of sill has sloping face, and bench mark is where this sloping face intersects perpendicular front of sill). (C. & G. S. b. m. reference).....	5, 982. 977
Colorado Springs, 1 meter west of south mast bench mark, about 4 feet above surface of ground; top of wooden post 8 inches square. (Post was used as a support for vertical circle in 1895 when vertical angles were measured on Pikes Peak and surrounding points by Assistant Eimbeck.) (V. C. post).....	5, 978. 079
"One mile to Pike View," near sign, north of station, in top of stone abutment to Denver & Rio Grande R. R. culvert, east of track, on second stone from south end of abutment, near middle of its upper surface; bottom of square cut, lettered "U. S. $\square$ B. M." (C. & G. S. b. m. C <sub>1</sub> )..	6, 216. 910
Edgeton, near milepost 66, in top of stone abutment to iron railroad bridge (Denver & Rio Grande 65 A), west of track, on stone forming north end of north abutment; bottom of square cut, lettered "U. S. $\square$ B. M." (C. & G. S. b. m. D <sub>1</sub> ).....	6, 388. 465
Husted, about 1½ miles south of, opposite dwelling of E. P. Moon, in one of stones forming north abutment of railroad bridge 63 A, on second step or offset from top of abutment and east of track; bottom of square cut. (C. & G. S. b. m. E <sub>1</sub> ).....	6, 517. 283

#### CASTLE ROCK QUADRANGLE.

[Latitude 39°-39° 30'; longitude 104° 30'-105°.]

From Husted north along Denver & Rio Grande R. R. to Sedalla.

Husted, under water tank, which is supported by wooden posts, in upper surface of stone foundation under northern tier (farthest from track), at eastern end, lettered "U. S. B. M."; bottom of square (C. & G. S. b. m. F <sub>1</sub> ).....	6, 585. 308
Monument, under front of station building (wood), in upper surface of foundation, near southwest corner where foundation shows above platform, lettered "U. S. B. M."; bottom of square (C. & G. S. b. m. G <sub>1</sub> )...	6, 959. 465

	Feet.
Palmer Lake, in top of stone wall around turntable, on east side nearest railroad station, between track and main line, lettered "U. S. B. M."; bottom of square (C. & G. S. b. m. H <sub>1</sub> ).....	7, 225. 409
Palmer Lake, about 2 miles north of, in top of stone under one of iron supports to Atchison, Topeka & Santa Fe Ry. bridge over Denver & Rio Grande R. R., east of track, near southeast corner of stone, lettered "U. S. B. M."; bottom of square (C. & G. S. b. m. I <sub>1</sub> ).....	7, 067. 325
Greenland, under north side of Greenland Farm ranch house (back building), in brick foundation, fourth course above ground, in third brick from northeast corner of building, in end of copper bolt; intersection of cross (C. & G. S. b. m. J <sub>1</sub> ).....	6, 892. 909
Larkspur, south of, in abutment of railroad bridge, west of track, on north side of stream, on top stone, lettered "U. S. B. M."; bottom of square (C. & G. S. b. m. K <sub>1</sub> ).....	6, 678. 589
Douglas, north of, in abutment to north end of railroad bridge, west of track, on stone forming second step or offset below top, lettered "U. S. B. M." (C. & G. S. b. m. L <sub>1</sub> ) .....	6, 309. 676
Castle Rock, in east (front) wall of stone courthouse, fifth course above ground, in second stone on left of door as you enter, near south end of stone, in end of copper bolt; intersection of cross (C. & G. S. b. m. M <sub>1</sub> )..	6, 202. 452
Plateau, in top of stone retaining wall to railroad culvert at north end of side track, at south end of culvert, west of track, lettered "U. S. B. M."; bottom of square (C. & G. S. b. m. N <sub>1</sub> ).....	6, 012. 960
Sedalia, in sandstone abutment to Atchison, Topeka & Santa Fe Ry. bridge, east of Atchison, Topeka & Santa Fe track and west of Denver & Rio Grande track, on top of second step or offset above Denver & Rio Grande track, lettered "U. S. B. M."; bottom of square (C. & G. S. b. m. O <sub>1</sub> ).....	5, 839. 762

## DENVER QUADRANGLE.

[Latitude 39° 30'-40°; longitude 104° 30'-105° 30']

## From Sedalia north along Denver &amp; Rio Grande R. R. to Denver.

Toluca, about 1 mile north of, in north stone abutment of railroad bridge, east of track, on second step or offset from top (bridge is numbered 19 A); bottom of square, lettered "U. S. B. M." (C. & G. S. b. m. P <sub>1</sub> ).....	5, 613. 181
Acequia, about one-half mile north of, in top of retaining wall to railroad culvert, east of track, near north end of wall, lettered "U. S. B. M."; bottom of square (C. & G. S. b. m. Q <sub>1</sub> ) .....	5, 503. 824
Wohurst, in top of retaining wall to railroad culvert, east of track, near north end of wall, lettered "U. S. B. M."; bottom of square (C. & G. S. b. m. R <sub>1</sub> ).....	5, 405. 652
Littleton, in stone railroad station, south end of building, third course above platform, in third stone from southeast corner, in end of copper bolt; intersection of cross (C. & G. S. b. m. S <sub>1</sub> ).....	5, 362. 348
Petersburg, 1 mile north of, on north stone abutment to railroad bridge, east of track, on second step or offset from top; bottom of square, lettered "U. S. B. M." (C. & G. S. b. m. T <sub>1</sub> ).....	5, 281. 269
Denver, east front of Union Depot, in floor at main entrance, on right hand upon entering, close to wall; surface of stone at intersection of cross (city datum) (C. & G. S. b. m. Y <sub>1</sub> ).....	5, 184. 835
Denver, southeast corner of Thirty-ninth Avenue and High Street, brick building occupied by A. Kraus as a saloon, in top of sandstone sill under second window from corner on High Street side (C. & G. S. b. m. Z <sub>1</sub> )..	5, 201. 705



Jersey, brick machine shop ((Union Pacific R. R. shops), in south end of building, in upper surface of stone sill under first window from southeast corner, lettered "U. S. B. M."; bottom of square (C. & G. S. b. m. A <sub>2</sub> )..	Feet. 5, 199. 340
Jersey, brick planing mill (Union Pacific R. R. shops), in south end of building, in upper surface of stone sill under second window from southwest corner, lettered "U. S. B. M."; bottom of square (C. & G. S. b. m. B <sub>2</sub> ).....	5, 199. 458 *

**BYERS QUADRANGLE.**

[Latitude 39° 30'-40°; longitude 104°-104° 30'.]

**Along Union Pacific R. R.**

Lowland, near and north of station sign, in top of granite post, marked "U. S. B. M."; square (C. & G. S. b. m. K <sub>2</sub> ).....	5, 318. 602
Deer Trail, in southeast corner of yard to railroad section house, in top of granite post, marked "U. S. B. M."; square (C. & G. S. b. m. J <sub>2</sub> ).....	5, 183. 084
Byers, under south one of two iron supports under eastern side of Union Pacific R. R. water tank, in sloping surface of stone, lettered "U. S. B. M."; bottom of square offset (C. & G. S. b. m. I <sub>2</sub> ).....	5, 200. 928
Bennett, in southwest corner of yard to railroad section house, in top of granite post, marked "U. S. B. M."; square (C. & G. S. b. m. H <sub>2</sub> ).....	5, 483. 510

**EATON QUADRANGLE.**

[Latitude 40° 30'-41°; longitude 104° 30'-105°.]

**Along Union Pacific Ry.**

Eaton, in south wall of brick railroad station, first course above stone trimming under windows, in fifth brick from southeast corner of building, in end of copper bolt; intersection of cross (C. & G. S. b. m. C <sub>3</sub> ).....	4, 832. 835
Pierce, in southwest corner of yard to railroad section house, in top of granite post, marked "U. S. B. M."; square (C. & G. S. b. m. D <sub>3</sub> ).....	5, 034. 741
Dover, in southeast corner of yard to railroad section house, in top of granite post, marked "U. S. B. M."; square (C. & G. S. b. m. E <sub>3</sub> ).....	5, 407. 434
Carr, in southwest corner of yard to railroad section house, in top of granite post, marked "U. S. B. M."; square (C. & G. S. b. m. F <sub>3</sub> ).....	5, 703. 315

## APPENDIX B.

### SECONDARY ELEVATIONS.

Secondary elevations from records and topographic maps of the United States Geological Survey, including altitudes of well-known summits and other useful elevations, are given below. These elevations are approximate only and should not be used for accurate work.

Locality.	Quadrangle.	County.	Elevation.
			<i>Feet.</i>
Achonee Mountain.....	Longs Peak.....	Grand.....	12,656
Adair, triangulation station.....	Elmoro.....	Las Animas.....	5,968
Adams Mountain.....	Longs Peak.....	Grand.....	12,115
Albion Mountain.....	do.....	Boulder.....	12,596
Alpine Peak.....	Georgetown.....	Clear Creek.....	11,525
Alpine Plateau.....	Lake City.....	Gunnison.....	11,515
Alps Mountain.....	Georgetown.....	Clear Creek.....	10,508
Anchor Mountain.....	Rico special.....	Dolores.....	12,325
Andrews Peak.....	Longs Peak.....	Grand.....	12,564
Animas City Mountain.....	Durango.....	La Plata.....	8,170
Apache Peak.....	Longs Peak.....	Boulder-Grand.....	12,873
Aplatan Mountain.....	do.....	Grand.....	10,888
Apishapa Bluff.....	Catlin.....	Otero.....	4,675
Arapahoe Pass.....	Longs Peak.....	Boulder-Grand.....	11,906
Arapahoe Peak triangulation station.....	do.....	do.....	13,506
Arkansas Mountain.....	Leadville.....	Lake.....	13,797
Arrow Peak.....	Needle Mountains.....	San Juan.....	13,803
Arthur Mountain.....	Pikes Peak special.....	El Paso.....	10,805
Audubon Mountain.....	Longs Peak.....	Boulder.....	13,223
Augusta Mountain.....	Anthracite.....	Gunnison.....	12,615
Avery Peak.....	Crested Butte.....	do.....	12,652
Axtell Mountain.....	Anthracite.....	do.....	12,013
Baker Mountain.....	Longs Peak.....	Grand.....	12,406
Bald Mountain.....	Central City.....	Boulder.....	11,470
Bald Mountain.....	Leadville.....	Summit.....	13,964
Bald Mountain.....	Pikes Peak special.....	Teller.....	12,365
Baldy Mountain.....	Gunnison.....	Anthracite.....	12,809
Baldy Peak.....	Ouray.....	Ouray.....	10,615
Banded Peak triangulation station, 3 miles northeast of, on flat-topped ridge 0.5 mile west of head of Elk Creek; aluminum tablet stamped "12376 V. A." (vertical angle bench mark).	Chromo.....	do.....	12,376
Barnroof Point.....	Durango.....	La Plata.....	8,720
Battleship Rock.....	Mesa Verde National Park.....	Montezuma.....	7,576
Bear Canyon Church, in northeast corner of pump house; bronze tablet.	Castle Rock.....	do.....	6,008
Bear Mountain.....	Silverton.....	San Juan.....	12,950
Beautiful Mountain.....	Creede.....	Mineral.....	12,746
Beckwith Mountain.....	Anthracite.....	Gunnison.....	12,371
Bellevue triangulation station.....	Summitville.....	Rio Grande.....	12,727
Bellevue Mountain.....	Idaho Springs.....	Clear Creek.....	9,685
Big Bull Mountain.....	Cripple Creek.....	Teller.....	10,826
Big Chief Mountain.....	El Paso special.....	do.....	11,220
Big John Mountain.....	Boulder.....	Boulder.....	9,077
Bison Peak.....	Platte Canyon.....	Park.....	12,400
Bison Reservoir, water surface.....	Pikes Peak special.....	Teller.....	10,400
Blackhawk Peak.....	Central City.....	Gilpin.....	10,323
Blackhawk Peak triangulation station.....	Engineer Mountain.....	Dolores.....	12,687
do.....	Rico special.....	do.....	12,677
Black Mountain.....	Walsenburg.....	Huerfano.....	7,412
Blanca Peak.....	Huerfano.....	Costilla-Huerfano-Saguache.....	14,390
Blodgett Peak.....	Colorado Springs.....	El Paso.....	9,435
Blue Lake, 1 mile south of, on north end of ridge on Continental Divide; aluminum tablet stamped "11937 V. A." (vertical angle bench mark).	Chromo.....	do.....	11,937

Locality.	Quadrangle.	County.	Elevation.
Bowen Mountain.....	Longs Peak.....	Grand.....	<i>Feet.</i> 12,541
Brilby Butte.....	Platte Canyon.....	Jefferson.....	9,323
Buck Mountain, 1.5 miles north of, near head of Encampment River, on bald top on Continental Divide; tablet stamped "11375 V. B. M." (vertical angle bench mark).	Hahns Peak.....		11,375
Buckeye Peak.....	Leadville.....	Lake.....	12,863
Buckhorn Mountain.....	Pikes Peak special.....	El Paso.....	8,365
Buffalo Pass, 2 miles west of, 1.5 miles north of Buffalo Pass road, on west slope, on sharp rocky mountain; tablet stamped "10803 V. B. M." (vertical angle bench mark).	Hahns Peak.....		10,803
Burnt Mountain triangulation station.....	Boulder.....	Boulder.....	9,348
Calico Peak.....	Rico special.....	Dolores.....	12,035
Cameron Cone.....	Pikes Peak.....	El Paso.....	10,705
Cap Mountain.....	Uncompahgre.....	Gunnison.....	9,032
Cascade Mountain.....	Pikes Peak special.....	El Paso.....	9,425
Cascade Mountain.....	Anthracite.....	Gunnison.....	11,707
Cascade Mountain.....	Longs Peak.....	Grand.....	12,320
Castle Peak.....	Aspen.....	Gunnison-Pitkin.....	14,259
Cement Mountain.....	Crested Butte.....	Gunnison.....	12,212
Chama Gun and Rod Club cabin, 3 miles northeast of, 1.5 miles southwest of head of Wolf Creek, on south end of flat-topped mountain; aluminum tablet stamped "12172 V. A." (vertical angle bench mark).	Chromo.....	Archuleta.....	12,172
Chama Peak triangulation station.....	Summitville.....	do.....	12,027
Chama triangulation station, 0.5 mile south of, 9 miles north of Chama, on very sharp peak at head of Little Chama Creek; aluminum tablet stamped "11900 V. A." (vertical angle bench mark).	Chromo.....	do.....	11,900
Chapin Mountain.....	Longs Peak.....	Larimer.....	13,052
Chautauqua.....	Blackhawk.....	Boulder.....	5,718
Cheyenne Mountain.....	Pikes Peak special.....	El Paso.....	9,560
Cheyenne Wells.....	Cheyenne.....	Cheyenne.....	4,288
Chief Mountain triangulation station.....	Georgetown.....	Clear Creek.....	11,710
Chimney Peak.....	Ouray.....	Hinsdale-Ouray.....	11,785
Chiquita Mountain.....	Longs Peak.....	Larimer.....	12,458
Cinnamon Mountain.....	Anthracite.....	Gunnison.....	12,270
Cirrus Mountain.....	Longs Peak.....	Grand.....	12,804
Clarence King Mountain.....	do.....	Boulder.....	13,176
Clear Lake, water surface.....	Georgetown.....	Clear Creek.....	9,870
Coffintop Mountain.....	Boulder.....	Boulder.....	8,050
Colorado Mountain.....	Central City.....	Gilpin.....	10,884
Comanche Peak.....	Longs Peak.....	Boulder.....	13,491
Cone Mountain.....	Central City.....	Clear Creek.....	12,230
Conejos Peak triangulation station.....	Summitville.....	Conejos.....	13,180
Copper Mountain.....	Tenmile District.....	Summit.....	12,475
Copper Mountain.....	Cripple Creek.....	Teller.....	10,226
Courthouse Mountain.....	Ouray.....	Hinsdale-Ouray.....	12,165
Cover Mountain.....	Pikes Peak.....	Park.....	10,165
Coxcomb Peak.....	Ouray.....	Hinsdale-Ouray.....	13,663
Craig Mountain.....	Longs Peak.....	Grand.....	12,005
Crested Butte.....	Crested Butte.....	Gunnison.....	12,172
Crystal Peak.....	Lake City.....	Hinsdale.....	12,927
Cumulus Mountain.....	Longs Peak.....	Grand.....	12,724
Dakota Hill.....	Central City.....	Gilpin.....	10,930
Dam Fino Creek and East Fork of Encampment River, on high knob between, 3 miles south of State line; tablet stamped "10932 V. B. M." (vertical angle bench mark).	Hahns Peak.....		10,932
Del Norte Peak triangulation station.....	Creede.....	Rio Grande.....	12,378
Devils Head.....	Platte Canyon.....	Douglas.....	9,348
Devils Lake, water surface.....	Uncompahgre.....	Hinsdale.....	11,968
Diamond Park, near west end of, at head of Hinman Creek, 2.8 miles northeast of Farwell Mountain, on bald point; tablet stamped "10220 V. B. M." (vertical angle bench mark).	Hahns Peak.....		10,220
Diamond Park, at east end of, south side of Elk River, on rocky spur; tablet stamped "10150 V. B. M." (vertical angle bench mark).	do.....		10,150
Dickenson Mountain.....	Longs Peak.....	Larimer.....	11,874
Double Top Mountain.....	Crested Butte.....	Gunnison.....	12,192
Duck Lake, water surface.....	Georgetown.....	Clear Creek.....	12,178
Dunraven Mountain.....	Longs Peak.....	Larimer.....	11,070
Eagle Mountain.....	Pikes Peak special.....	El Paso.....	12,548
Eagle Peak triangulation station.....	Rico special.....	Dolores.....	9,055
Echo Mountain.....	Needle Mountains.....	La Plata.....	12,105
Elbert Mountain triangulation station. One of two highest points in the State yet determined. See Massive Mountain.	Leadville.....	Lake.....	13,305
Electric Peak.....	Longs Peak.....	Grand.....	14,402
			11,943

Locality.	Quadrangle.	County.	Elevation.
			<i>Feet.</i>
Elephant Mountain.....	Summitville.....	Rio Grande.....	11,790
Elk Mountain.....	Creede.....	Mineral.....	11,030
Elk Mountain.....	Tenmile district.....	Eagle-Summit.....	12,718
Elliott Mountain.....	Rico special.....	Dolores.....	12,337
Emerald Lake, water surface.....	San Cristobal.....	Hinsdale.....	10,020
Emerson Mountain.....	Needle Mountains.....	La Plata.....	13,147
Emmons Mountain.....	Anthracite.....	Gunnison.....	12,414
Engineer Mountain.....	Silverton.....	Hinsdale-Ouray-San Juan.....	13,190
Engineer Mountain.....	Engineer Mountain.....	San Juan.....	12,972
Eolus Mountain.....	Needle Mountains.....	La Plata.....	14,079
Estes Cone.....	Longs Peak.....	Larimer.....	11,017
Ethel Mountain, on Continental Divide, about 7.2 miles north of Buffalo Pass; tablet stamped "11940 V. B. M." (vertical angle bench mark).	Hahns Peak.....		11,940
Ethel Mountain.....	Livermore.....	Larimer.....	8,480
Evans Mountain.....	Leadville.....	Park-Lake.....	13,580
Evans Mountain.....	Georgetown.....	Clear Creek.....	14,260
Expectation Mountain triangulation station.....	Rico special.....	Dolores.....	12,071
Fairchild Mountain.....	Longs Peak.....	Larimer.....	13,502
Fairview Peak.....	Boulder.....	Boulder.....	8,561
Fisher Mountain.....	Creede.....	Mineral.....	12,855
Fisher Mountain.....	Longs Peak.....	Grand.....	12,280
Fishers Peak triangulation station.....	Elmoro.....	Las Animas.....	9,586
Flatiron Mountain.....	Loveland.....	Larimer.....	6,200
Fletcher Mountain.....	Tenmile district.....	Summit.....	13,917
Flora Mountain.....	Central City.....	Clear Creek-Grand.....	13,122
Florida Mountain.....	Needle Mountains.....	La Plata.....	13,076
Fox Mountain.....	Creede.....	Mineral.....	11,520
Freeman Peak.....	Platte Canyon.....	Jefferson.....	11,827
Garfield Mountain.....	Colorado Springs-Pikes Peak special.....	El Paso.....	10,925
Garfield Mountain.....	Needle Mountains.....	San Juan.....	13,065
Garfield Peak.....	Anthracite.....	Gunnison.....	12,136
Gilpin Peak.....	Telluride.....	Ouray-San Miguel.....	13,682
Gothic Mountain.....	Anthracite.....	Gunnison.....	12,646
Grand Lake, water surface.....	Longs Peak.....	Grand.....	8,369
Grant (U. S.) Peak.....	Telluride.....	San Juan-San Miguel.....	13,692
Gray Head.....	do.....	San Miguel.....	10,994
Grayrock Peak.....	Engineer Mountain.....	San Juan.....	12,488
Graystone Peak.....	Needle Mountains.....	do.....	13,489
Greenhorn Mountain.....	Huerfano Park.....	Huerfano-Pueblo.....	12,334
Green Mountain.....	Platte Canyon.....	Jefferson.....	10,530
Greylock Mountain.....	Needle Mountains.....	La Plata.....	13,571
Grey Mountain.....	Livermore.....	Larimer.....	7,612
Grizzly Peak.....	Needle Mountains.....	La Plata.....	13,695
Do.....	Telluride.....	Dolores-San Juan.....	13,738
Hague Peak.....	Longs Peak.....	Larimer.....	13,562
Hale Mountain.....	do.....	Grand.....	11,747
Hallett Peak.....	do.....	Grand-Larimer.....	12,723
Handies Peak.....	Silverton.....	Hinsdale.....	14,008
Haystack Butte.....	Livermore.....	Larimer.....	7,980
Haystack Mountain triangulation station.....	Niwot.....	Boulder.....	5,595
Hazel Lake, water surface.....	Needle Mountains.....	La Plata.....	12,420
Head Lake, water surface.....	San Luis Valley.....	Alamosa.....	7,527
Helmet Peak.....	La Plata.....	Montezuma.....	11,976
Hermosa Mountain.....	Engineer Mountain.....	Dolores-San Juan.....	12,574
Herring Mountain.....	Canyon City.....	Custer.....	9,340
Hesperus Peak triangulation station.....	La Plata.....	Montezuma.....	13,225
Hinman Park, at head of, on bald point of hill in forks of Elk River; tablet stamped "8915 V. B. M." (vertical angle bench mark).	Hahns Peak.....		8,915
Hog Park Creek, near head of, 2 miles southeast of point where Columbine road crosses Continental Divide on Continental Divide; tablet stamped "10354 V. B. M." (vertical angle bench mark).	do.....		10,354
Holy Cross Mountain.....	Leadville.....	Eagle.....	13,978
Homestake Peak.....	do.....	do.....	13,217
Hope Mountain.....	Creede.....	Mineral.....	12,841
Horseshoe Mountain.....	Leadville.....	Park-Lake.....	13,902
Horsetooth triangulation station.....	Fort Collins.....	Larimer.....	7,252
Howard Mountain.....	Longs Peak.....	Grand.....	12,814
Huerfano Butte triangulation station.....	Walsenburg.....	Huerfano.....	6,150
Hunchback Mountain.....	Needle Mountains.....	San Juan.....	13,133
Ice Lake, water surface.....	Central City.....	Clear Creek.....	12,188
Ida Mountain.....	Longs Peak.....	Grand-Larimer.....	12,868
Ignacio Reservoir Dam, water surface.....	Engineer Mountain.....	La Plata.....	8,375
Irving Peak.....	Needle Mountains.....	do.....	13,210
Jacque Mountain.....	Tenmile district.....	Summit.....	13,235
Jacque Peak.....	Leadville.....	do.....	13,205
Jagged Mountain.....	Needle Mountains.....	San Juan.....	13,829
James Peak.....	Central City.....	Clear Creek-Grand-Gilpin.....	13,260

Locality.	Quadrangle.	County.	Elevation.
			<i>Feet.</i>
Jasper Lake, water surface.	Central City	Boulder.	10,733
Johnny Bull Mountain.	Rico special	Dolores.	12,018
Jura Knob.	Engineer Mountain.	San Juan.	12,617
King Reservoir, water surface.	Lamar	Kiowa-Prowers.	3,860
Kingston Peak triangulation station.	Central City.	Clear Creek-Gilpin.	12,137
Klondike Mountain.	do.	Boulder.	10,802
Krueger Rock.	Mount Olympus.	Larimer.	9,342
La Garita triangulation station.	Creede.	Mineral-Saguache.	13,725
La Plata Peak.	Leadville.	Chaffee.	14,332
Las Animas.	Las Animas.	Bent.	3,884
Lead Mountain.	Longs Peak.	Grand.	12,532
Leviathan Peak.	Needle Mountains.	San Juan.	13,528
Lillie triangulation station.	Longs Peak.	Larimer.	11,384
Lincoln Mountain.	Leadville.	Park-Summit.	14,287
Little Scraggy Peak.	Platte Canyon.	Jefferson.	9,640
Livermore Mountain triangulation station.	Livermore.	Larimer.	7,494
Lizard Head.	Telluride.	Dolores-San Miguel.	13,156
Loch Lomond, water surface.	Central City.	Clear Creek.	11,140
Lone Pine Creek, north side of, on whitetopped spur off Continental Divide; tablet stamped "11645 V. B. M." (vertical angle bench mark).	Hahns Peak.		11,645
Lonesome Peak.	Longs Peak.	Grand.	10,588
Long Mountain.	Ignacio.	La Plata.	7,080
Longs Peak.	Longs Peak.	Boulder.	14,255
Lookout Mountain.	do.	Grand.	10,155
Lookout Mountain.	Livermore.	Larimer.	10,633
Lookout Peak.	Telluride.	San Juan-San Miguel.	13,674
Lulu Mountain.	Longs Peak.	Grand.	11,720
McCauley Peak.	Needle Mountains.	La Plata.	13,551
McGregor Mountain.	Longs Peak.	Larimer.	10,482
Madden Peak triangulation station.	La Plata.	Montezuma-La Plata.	11,980
Mahana Peak.	Longs Peak.	Boulder.	12,629
Manitou Mountain.	Pikes Peak special.	El Paso.	9,455
Marcellina Mountain.	Anthracite.	Gunnison.	11,349
Maroon Peak.	Aspen.	Pitkin.	14,126
Martha Washington Mountain.	Longs Peak.	Larimer.	13,269
Massive Mountain. One of two highest points in the State yet determined. <i>See</i> Elbert Mountain.	Leadville.	Lake.	14,402
Matterhorn Peak.	Lake City.	Hinsdale.	13,589
Mays Peak.	Pikes Peak special.	El Paso.	8,280
Meadow Mountain.	Longs Peak.	Boulder.	11,634
Meeker Mountain.	do.	do.	13,911
Menefee Peak triangulation station.	La Plata.	Montezuma.	8,812
Metroz Mountain.	Creede.	Mineral.	11,900
Miller Hill.	Uncompahgre.	Gunnison.	9,835
Mineral Hill.	Breckenridge.	Summit.	10,885
Mineral Point.	Anthracite.	Gunnison.	12,541
Moccasin Head.	Mesa Verde National Park.	Montezuma.	6,983
Monitor Peak.	Needle Mountains.	La Plata.	13,703
Monument Hill.	Durango.	do.	10,830
Monument Peak.	Creede.	Mineral.	10,641
Moraine Lake, water surface.	Pikes Peak special.	El Paso.	10,215
Morfield triangulation station.	Mesa Verde National Park.	Montezuma.	8,394
Mosquito Pass.	Leadville.	Park-Lake.	13,178
Mosquito Peak.	do.	do.	13,784
Mount Olympus.	Mount Olympus.	Larimer.	8,808
Mummy Mountain.	Longs Peak.	Larimer.	13,413
Naki Peak.	do.	Grand.	12,221
Navajo Peak.	do.	Boulder-Grand.	13,406
Naylor Lake, water surface.	Georgetown.	Clear Creek.	11,348
Nebo Mountain.	Needle Mountains.	San Juan.	13,192
Nebraska Hill.	Central City.	Gilpin.	11,548
Nigger Hill.	Breckenridge.	Summit.	10,171
Nimbus Mountain.	Longs Peak.	Grand.	12,730
Nipple Mountain.	Pikes Peak.	Fremont.	10,068
North Italian Mountain.	Crested Butte.	Gunnison.	13,225
Nugget Hill.	Boulder.	Boulder.	8,589
Ohio Pass.	Anthracite.	Gunnison.	10,033
Ohio Peak.	do.	do.	12,251
Old Baldy Mountain.	Summitville.	Rio Grande.	12,602
Olympus Mountain.	Mount Olympus.	Larimer.	8,808
Oregon Hill.	Central City.	Gilpin.	10,884
Orton Mountain.	Longs Peak.	Boulder.	11,662
Oso Mountain.	San Cristobal.	La Plata.	13,706
Otis Peak.	Longs Peak.	Grand-Larimer.	12,478
Overlook Point.	Needle Mountains.	La Plata.	12,965
Owen Mountain.	Anthracite.	Gunnison.	13,102
Palisade Mountain.	Mount Olympus.	Larimer.	8,258
Palmer Lake, 4 miles west of, on road to Manitou Park, in granite bowlder on high, brushy summit, 200 feet west of summit, 6 feet south of road; bronze tablet stamped "9210 V. A." (vertical angle bench mark).	Castle Rock.		9,210

Locality.	Quadrangle.	County.	Elevation.
Park Point triangulation station.....	Mesa Verde National Park.	Montezuma.....	<i>Fect.</i> 8,575
Parrott Peak.....	La Plata.....	La Plata.....	11,876
Parry Peak.....	Central City.....	Clear Creek-Grand.....	13,345
Pearl Mountain.....	Crested Butte.....	Gunnison.....	13,484
Peeler Peak.....	Anthracite.....	do.....	12,219
Perins Peak.....	Durango.....	La Plata.....	8,340
Perry Park, southeast end of, in ledge of rock at west end of balanced rock, 40 feet west of twin column rocks, 10 feet in diameter and 40 feet high; bronze tablet stamped "6620" (vertical angle bench mark).	Castle Rock.....	do.....	6,622
Peterson Lake, water surface.....	Central City.....	Boulder.....	9,245
Pewabic Mountain.....	Idaho Springs.....	Clear Creek-Gilpin.....	9,927
Pigeon Peak.....	Needle Mountains.....	La Plata.....	13,961
Pikes Peak.....	Pikes Peak special.....	El Paso.....	14,110
Pilot Knob.....	Telluride.....	San Juan-San Miguel.....	13,750
Piñon triangulation station.....	Mesa Verde National Park.	Montezuma.....	8,308
Pisgah Mountain triangulation station.....	Central City.....	Clear Creek-Gilpin.....	10,085
Platteville.....	Greeley.....	Weld.....	4,822
Pole Creek Mountain.....	San Cristobal.....	Hinsdale.....	13,740
Pool Table Mountain.....	Creede.....	Mineral.....	12,142
Porphy Peaks.....	Longs Peak.....	Grand.....	11,155
Portland.....	Ouray.....	Ouray.....	7,260
Potato Hill.....	Engineer Mountain.....	San Juan.....	11,876
Potosi Peak.....	Silverton.....	Ouray.....	13,763
Price Reservoir, water surface.....	Lamar.....	Prowers.....	3,850
Prospect Mountain.....	Leadville.....	Lake.....	12,608
Ptarmigan Hill.....	Tenmile district.....	Eagle.....	12,174
Ptarmigan Peak.....	Leadville.....	Park-Lake.....	13,736
Pulpit Rock.....	Mesa Verde National Park.	Montezuma.....	7,951
Purple Peak.....	Anthracite.....	Gunnison.....	12,989
Quandary Peak.....	Leadville.....	Summit.....	14,256
Rabbit Mountain triangulation station.....	Niwot.....	Boulder.....	6,015
Rattlesnake Buttes.....	Apishapa.....	Huerfano-Las Animas.....	6,442
Red Cloud Peak.....	San Cristobal.....	Hinsdale.....	14,050
Red Hill.....	Durango.....	La Plata.....	10,670
Red Mountain.....	Longs Peak.....	Grand.....	11,505
Republican Mountain (Democrat triangulation station).	Georgetown.....	Clear Creek.....	12,393
Reservoir No. 2, water surface.....	Pikes Peak special.....	El Paso.....	11,270
Reservoir No. 4, water surface.....	do.....	Teller.....	10,900
Reservoir No. 5, water surface.....	do.....	do.....	10,900
Reservoir No. 7, water surface.....	do.....	El Paso.....	12,080
Reservoir No. 8, water surface.....	do.....	El Paso-Teller.....	11,675
Rhyolite Mountain.....	Cripple Creek.....	Teller.....	10,771
Ribbon Mesa.....	Creede.....	Rio Grande.....	10,860
Richmond Mountain.....	Anthracite.....	Gunnison.....	12,543
Richthofen Mountain.....	Longs Peak.....	Grand.....	12,953
Rio Grande Pyramid triangulation station.....	San Cristobal.....	Hinsdale.....	13,830
Rocky Ford.....	Catlin.....	Otero.....	4,180
Rolling Mountain.....	Telluride.....	San Juan.....	13,694
Rosalie Peak.....	Georgetown.....	Park.....	13,575
Rosa Mountain triangulation station.....	Colorado Springs.....	Teller.....	11,495
Round Mountain.....	Canyon City.....	Custer.....	8,722
Round Mountain.....	Uncompahgre.....	Gunnison.....	9,605
Ruby Peak.....	Anthracite.....	do.....	12,749
Rudolph Hill.....	Uncompahgre.....	do.....	10,130
Saddle Mountain.....	Pikes Peak.....	Park.....	10,815
Saddle Mountain.....	Summitville.....	Mineral.....	12,033
St. Vrain Mountain.....	Longs Peak.....	Boulder.....	12,162
San Bernardo Mountain.....	Telluride.....	San Miguel.....	11,845
San Cristobal Lake, water surface.....	San Cristobal.....	Hinsdale.....	8,997
San Luis Lake, water surface.....	San Luis Valley.....	Costilla.....	7,525
San Luis Mountain.....	Pikes Peak.....	Teller.....	10,490
San Luis Mountain triangulation station.....	Creede.....	Mineral-Saguache.....	14,149
Satanta Peak.....	Longs Peak.....	Grand.....	11,885
Sawtooth Mountain.....	Creede.....	Mineral.....	12,590
Sawtooth Mountain.....	Longs Peak.....	Boulder-Grand.....	12,304
Saxon Mountain.....	Georgetown.....	Clear Creek.....	11,535
Schuykill Mountain.....	Anthracite.....	Gunnison.....	12,188
Sheep Mountain.....	Lake City.....	do.....	13,180
Sheep Mountain.....	Livermore.....	Larimer.....	7,547
Sheep Mountain.....	Summitville.....	Mineral.....	12,374
Sheep Mountain.....	Tenmile district.....	Eagle-Summit.....	12,380
Sheep Mountain, North.....	do.....	do.....	12,429
Sheridan Mountain.....	Needle Mountains.....	La Plata.....	12,785
Sherman Mountain.....	Leadville.....	Park-Lake.....	14,038
Shoshone Peak.....	Longs Peak.....	Boulder.....	13,579
Signal Butte.....	Platte Canyon.....	Teller.....	9,300
Silex Mountain.....	Needle Mountains.....	San Juan.....	13,627
Silverheels Mountain.....	Leadville.....	Park.....	13,825
Sioux Mountain.....	Longs Peak.....	Boulder-Grand.....	13,310

Locality.	Quadrangle.	County.	Elevation.
			<i>Feet.</i>
Snowdon Peak.....	Needle Mountains.....	San Juan.....	13,070
South Boulder Peak triangulation station.....	Blackhawk.....	Boulder.....	8,460
South River Peak triangulation station.....	Creede.....	Mineral.....	13,145
Spanish Peak (West) triangulation station.....	Spanish Peaks.....	Huerfano-Las Animas.....	13,623
Spanish Peak (East).....	do.....	do.....	12,708
Specimen Mountain.....	Longs Peak.....	Grand-Larimer.....	12,482
Star Peak.....	Crested Butte.....	Gunnison.....	13,562
Steamboat Mountain.....	Boulder.....	Boulder.....	6,186
Stoll Mountain.....	Pikes Peak.....	Park.....	10,915
Stone Mountain.....	Mount Olympus.....	Larimer.....	7,657
Stones Peak.....	Longs Peak.....	do.....	12,928
Stony Mountain.....	Telluride.....	Ouray.....	12,677
Storm King Peak.....	Needle Mountains.....	San Juan.....	13,742
Storm Mountain.....	Mount Olympus.....	Larimer.....	9,915
Storm Peak.....	Longs Peak.....	do.....	13,336
Storm Ridge.....	Anthracite.....	Gunnison.....	11,859
Stormy Peak.....	Platte Canyon.....	Park.....	11,748
Stove Mountain.....	Pikes Peak special.....	El Paso.....	9,775
Strawberry Lake, water surface.....	Longs Peak.....	Grand.....	8,340
Sugarloaf.....	Tenmile district.....	Eagle Summit.....	12,556
Sugarloaf Peak (Grindal triangulation station).....	Georgetown.....	Clear Creek.....	12,513
Sugarloaf Rock.....	Lake City.....	Hinsdale.....	10,831
Sultan Mountain triangulation station.....	Silverton.....	San Juan.....	13,336
Summit Lake, water surface. Highest lake in the State yet determined.....	Georgetown.....	Clear Creek.....	12,740
Summit Peak.....	Summitville.....	Archuleta.....	13,272
Sunlight Peak.....	Needle Mountains.....	La Plata.....	14,084
Sunshine Mountain.....	Telluride.....	San Miguel.....	12,945
Sunshine Peak triangulation station.....	San Cristobal.....	Hinsdale.....	14,018
Table Mountain.....	Livermore.....	Larimer.....	7,050
Tanima Peak.....	Longs Peak.....	Boulder-Grand.....	12,417
Tarryall Peak.....	Platte Canyon.....	Park.....	11,300
Taylor Mountain.....	Boulder.....	Boulder.....	9,134
Taylor Peak.....	Crested Butte.....	Gunnison.....	13,419
Taylor Peak.....	Longs Peak.....	Grand-Larimer.....	13,150
Telescope Mountain.....	Rico special.....	Dolores.....	12,210
Tenney Crags.....	Pikes Peak special.....	El Paso.....	9,210
Teocalli Mountain.....	Crested Butte.....	Gunnison.....	13,220
Terra Tomah Peak.....	Longs Peak.....	Larimer.....	12,686
The Guardian.....	Needle Mountains.....	San Juan.....	13,617
The Horns.....	Pikes Peak special.....	El Paso.....	9,198
The Knife Edge.....	Mesa Verde National Park.....	Montezuma.....	8,214
Thunder Butte.....	Platte Canyon.....	Douglas.....	9,779
Tilton Mountain.....	Crested Butte.....	Gunnison.....	12,633
Tolvar Peak.....	Uncompahgre.....	do.....	9,475
Trachyte Mountain.....	Cripple Creek.....	Teller.....	10,863
Trinity Peaks.....	Needle Mountains.....	San Juan.....	13,752
			13,804
			13,745
Turret Peak.....	do.....	La Plata.....	13,819
Twilight Peak.....	do.....	San Juan.....	13,153
Twin Buttes.....	Durango.....	La Plata.....	7,735
Twin Sisters.....	Longs Peak.....	Larimer.....	11,435
Twin Sisters.....	Telluride.....	San Juan.....	13,438
Tyndall Mountain.....	Canyon City.....	Custer.....	9,521
Uncompahgre Peak triangulation station.....	Lake City.....	Hinsdale.....	14,306
Union Mountain.....	Tenmile district.....	Summit.....	12,336
Valmont Butte.....	Niwot.....	Boulder.....	5,394
Vermilion Peak.....	Telluride.....	San Juan-San Miguel.....	13,870
Vestal Peak.....	Needle Mountains.....	San Juan.....	13,846
Vigil Peak.....	Pikes Peak special.....	El Paso.....	10,075
Wasatch Mountain.....	Telluride.....	San Miguel.....	13,551
West Needle Mountains.....	Needle Mountains.....	San Juan.....	13,050
Wetterhorn Peak triangulation station.....	Ouray.....	Hinsdale-Ouray.....	14,020
Wheatstone Mountain.....	Crested Butte.....	Gunnison.....	12,543
Whitcross Mountain.....	San Cristobal.....	Hinsdale.....	13,550
White Dome.....	Needle Mountains.....	San Juan.....	13,607
Whitehouse Mountain.....	Ouray.....	Ouray.....	13,496
White Pine Mountain.....	Livermore.....	Larimer.....	10,250
White Rock Mountain.....	Crested Buttes.....	Gunnison.....	13,532
Whitman Mountain.....	Longs Peak.....	Grand.....	9,923
Wickenson Mountain.....	Ignacio.....	La Plata.....	8,775
Wildhorse Peak.....	Ouray.....	Ouray.....	13,271
Wildhorse Tit.....	Eaton.....	Weld.....	5,460
Wilson Mountain triangulation station.....	Telluride.....	Dolores.....	14,250
Wilson Peak.....	do.....	San Miguel.....	14,026
Windom Mountain.....	Needle Mountains.....	La Plata.....	14,084
Witter Peak.....	Central City.....	Clear Creek.....	12,856
Ypsilon Mountain.....	Longs Peak.....	Larimer.....	13,507
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