

DEPARTMENT OF THE INTERIOR  
UNITED STATES GEOLOGICAL SURVEY  
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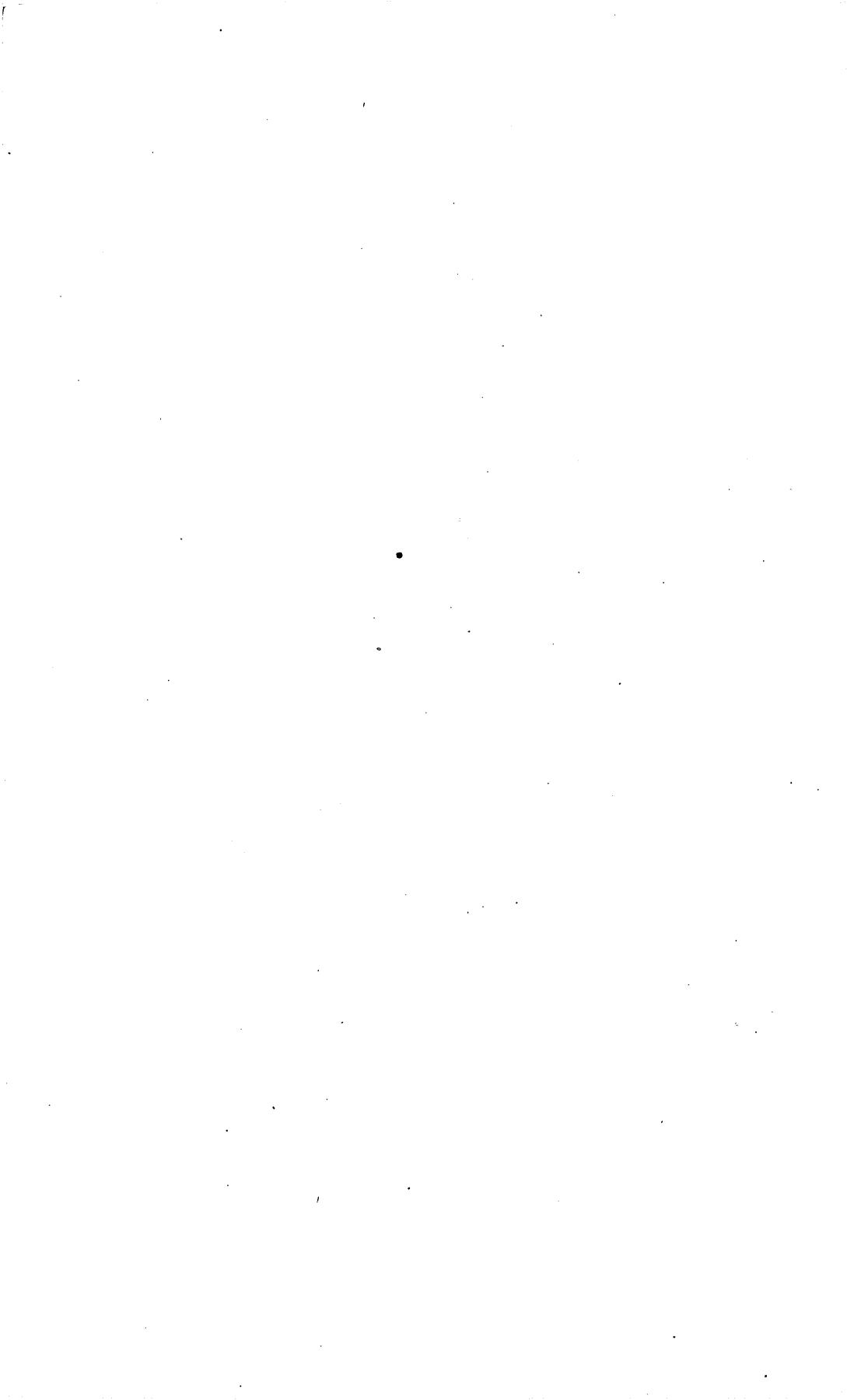
RESULTS OF SPIRIT LEVELING  
IN WYOMING

1896 TO 1912, INCLUSIVE

R. B. MARSHALL, CHIEF GEOGRAPHER



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## CONTENTS.

	Page.
<b>Introduction</b> .....	5
Scope of the work.....	5
Personnel.....	5
Classification.....	5
Bench marks.....	5
Datum.....	6
Topographic maps.....	7
<b>Primary leveling</b> .....	7
Cheyenne, Chugwater, Egbert, Goshen Hole, Hartville, Patrick, and Sher- man quadrangles (Albany and Laramie counties).....	7
Encampment Special, Grand Encampment, Laramie, and Medicine Bow quadrangles (Albany and Carbon counties).....	17
Hanna quadrangle (Carbon County).....	25
Walcott quadrangle (Carbon County).....	28
Alcova, Casper, Douglas, Ferris, Fort Steele, Glenrock, and Leo quadran- gles (Carbon, Converse, and Natrona counties).....	32
Baggs, Rawlins, and Savery Creek 30' quadrangles (Carbon County).....	39
Aladdin, Devils Tower, Moorcroft, Newcastle, and Sundance quadrangles (Crook and Weston counties).....	41
Bald Mountain, Cloud Peak, Dayton, Fort McKinney, No Wood, Rairden, and Sheridan quadrangles (Big Horn, Johnson, and Sheridan counties)..<	51
Cheney, Cody, Embar, Franc Peak, Frannie, Fremont Peak, Grand Teton, Gros Ventre, Kinnear, Kirwin, Lenore, Lovell, Mount Leidy, Otto, Riverton, Sunshine, Thermopolis, Victor, and Younts Peak 30' quad- rangles and Meeteetse and Oregon Basin 15' quadrangles (Big Horn, Fremont, and Lincoln counties).....	68
Ilo quadrangle (Big Horn County).....	94
Almond, Badlands, Daniel, Francis, Granger, Green River (name not final), Lander, Leckie, Newfork, Rock Springs, South Pass, Table Mountain, and Viola quadrangles (Fremont, Sweetwater, and Lincoln counties)....	96
Aspen Mountains, Maxon, South Bitter Creek, Bridger, Cokeville, Evan- ston, Montpelier, Randolph, Saleratus Pass, and Twin Buttes quad- rangles (Sweetwater, Lincoln, and Uinta counties).....	108
Crow Creek and Freedom quadrangles (Lincoln County).....	117
<b>Appendix A: Elevations adjusted by the Coast and Geodetic Survey from pre-         cise leveling</b> .....	119
<b>Appendix B: Secondary elevations</b> .....	138
<b>Index</b> .....	

## ILLUSTRATION.

<b>PLATE I. Geological Survey bench marks</b> .....	5
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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 WYOMING, 1896 TO 1912, INCLUSIVE.

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R. B. MARSHALL, Chief Geographer.

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## INTRODUCTION.

*Scope of the work.*—All results of spirit leveling in Wyoming previously published by the United States Geological Survey and all the results of later work are included in this report, rearranged by quadrangles. All elevations are based on 1912 adjustment heights of bench marks along the precise-level lines of the Coast and Geodetic Survey.

*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, and D. H. Baldwin, topographer, and since 1907 under the general direction of E. M. Douglas, geographer.

*Classification.*—No precise leveling has been done by the United States Geological Survey in this State. For primary lines standard Y levels are used; lines are run in circuits or are closed on precise lines, with an allowable closing error in feet represented by  $0.05\sqrt{D}$ , in which D is the length of the circuit in miles, sufficient care being given the work to maintain this standard. For circuit closures careful office adjustments are made, the small outstanding errors being distributed over the lines.

*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), 3.5 inches in diameter and one-quarter 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 3.5 inches in outer diameter and 4 feet in length. The bottom is spread out to a

width of 10 inches, in order to give a firm bearing on the earth. A bronze or aluminum-bronze cap is riveted over the top of the post, which is set about 3 feet in the ground. 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 1.5 inches in length driven through a copper washer  $\frac{3}{8}$  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 winds and tides 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 level as 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 for 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 Wyoming, have been published by the United States Geological Survey up to November 1, 1913. They may be obtained, except as noted, for 10 cents each or \$3 for 50, on application to the Director of the Survey, at Washington, D. C.

Aladdin (Wyo.-S. Dak.-Mont.).	Ishawooa.
Bald Mountain.	Kirwin.
Canyon. <sup>1</sup>	Lake. <sup>1</sup>
Cloud Peak.	Laramie.
Coalville (Utah-Wyo.).	Marsh Peak (Utah-Wyo.).
Crandall.	Medicine Bow (Wyo.-Colo.).
Dayton.	Montpelier (Idaho-Wyo.-Utah).
Devils Tower.	Mount Leidy.
Encampment special (Wyo.-Colo.).	Newcastle (Wyo.-S. Dak.).
Fort McKinney.	Oregon Basin.
Fort Steele.	Patrick (Wyo.-Nebr.).
Fremont Peak.	Rock Springs.
Gilbert Peak (Utah-Wyo.).	Sheridan (Wyo.-Mont.).
Gallatin. <sup>1</sup>	Sherman.
Goshen Hole (Wyo.-Nebr.).	Shoshone. <sup>1</sup>
Grand Teton.	Sundance (Wyo.-S. Dak.).
Gros Ventre.	Yellowstone National Park (Wyo.-
Hartville.	Mont.-Idaho). <sup>1</sup> 40 cts.
Hayden Peak (Utah-Wyo.).	Younts Peak.

### PRIMARY LEVELING.

Cheyenne, Chugwater, Egbert, Goshen Hole, Hartville, Patrick, and Sherman quadrangles.

### ALBANY AND LARAMIE COUNTIES.

The elevations in the following list are based on 1912 adjustment heights of bench marks of Coast and Geodetic Survey precise-level lines crossing this area.

The leveling in Cheyenne quadrangle was done in 1896 by M. C. McFarland and in 1911 by H. C. Caldwell; in Egbert, Chugwater, Goshen Hole, Hartville, and Patrick quadrangles in 1896 and 1897, by McFarland; in Sherman quadrangle in 1902 by M. S. Bright and in 1903 by G. Stubblefield.

<sup>1</sup> Yellowstone National Park map includes Canyon, Gallatin, and parts of Lake and Shoshone sheets, together with a strip along the tops and the left sides of these combined sheets. A former edition having the same title was simply a combination of the four sheets mentioned.

## CHEYENNE QUADRANGLE.

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

From Cheyenne northeast along highway to sec. 3, T. 16 N., R. 64 W. (double rodDED line).

	Feet.
Cheyenne, in front of Union Station; top of rail-----	6, 062. 0
Cheyenne, at south front of Capitol, in top step; bronze tablet stamped "6101." (Same as C. & G. S. b. m. E)-----	6, 097. 652
Cheyenne, north side of boulevard, 66 feet west of Odd Fellows Hall; iron post stamped "6118"-----	6, 114. 530
T. 14 N., R. 66 W., quarter corner on south side of sec. 8; iron post stamped "6134"-----	6, 130. 387
T. 15 N., R. 66 W., northeast corner of sec. 29; iron post stamped "6092"-----	6, 087. 950
Pole Creek, north side of, at road crossing; iron post stamped "6017"-----	6, 013. 515
T. 16 N., R. 65 W., northeast corner of sec. 29; iron post stamped "6031"-----	6, 027. 574
T. 16 N., R. 64 W., southwest corner of sec. 3; iron post stamped "5729"-----	5, 724. 845

From Cheyenne southwest along Fort Collins trail, Union Pacific Railroad, and Colorado & Southern Railway, thence east along township line between Tps. 12 and 13 N., thence north on line between Rs. 64 and 65, thence west on parallel between Tps. 16 and 17 N., thence south on line between Rs. 66 and 67 to Cheyenne.

Cheyenne, 36 feet north of center line of main track, in top of southwest corner of stone foundation under first pair of steel supports to viaduct across the Union Pacific R. R., inside of park; bottom of square cut, lettered "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. B)-----	6, 060. 300
Fort Russel Military Reserve, southeast corner of, corner being center of sec. 1, T. 13 N., R. 67 W., said stone being about 200 feet north of Union Pacific R. R. and about 150 feet west of Colorado & Southern Ry.; iron hub in concrete, marked "U. S. M. R."-----	6, 095. 24
Laramie County Home for the Poor, about 800 feet southwest of, on Fort Collins trail southwest from Cheyenne across Spring Creek, on top of concrete culvert at northwest corner; bottom of square cut, lettered "U. S. <input type="checkbox"/> B. M."-----	6, 096. 44
Cheyenne, 3.5 miles from, 20 feet east of edge of road; top of rock, marked "6211"-----	6, 210. 79
Cheyenne, 3.5 miles from, on Fort Collins trail, at top of hill southwest of Laramie County Home for the Poor, in turn of road to southwest, about 1,000 feet south of northwest corner of sec. 13, T. 13 N., R. 67 W., 34 feet from telephone pole 4548 numbered from Denver; iron post stamped "6204"-----	6, 203. 980
Deep Ravine, 6 miles from Cheyenne; iron stake on west side of grade of Colorado & Southern Ry., at north end of grade across Deep Ravine, marked "6298"-----	6, 298. 22
T. 13 N., R. 67 W., southeast corner of sec. 33; iron post stamped "6371"-----	6, 371. 118
T. 13 N., R. 67 W., southeast corner of sec. 34; highest point of rock at section corner, marked "6326"-----	6, 325. 79
T. 13 N., R. 67 W., southeast corner of sec. 35; highest point of rock at section corner, marked "6303"-----	6, 303. 70

	Feet.
T. 13 N., R. 67 W., southeast corner of sec. 36; iron post stamped "6226" -----	6, 225.968
T. 13 N., R. 66 W., southeast corner of sec. 31; highest point of rock, marked "6172" -----	6, 171.78
T. 13 N., R. 66 W., southeast corner of sec. 32; highest point of rock, marked "6179" -----	6, 179.69
T. 13 N., R. 66 W., southeast corner of sec. 33; iron post stamped "6237" -----	6, 236.999
T. 13 N., R. 66 W., southeast corner of sec. 34; highest point of rock, marked "6166" -----	6, 166.31
T. 13 N., R. 66 W., southeast corner of sec. 38; highest point of rock, marked "6137" -----	6, 137.68
T. 13 N., R. 66 W., southeast corner of sec. 36; iron post stamped "6118" -----	6, 118.064
T. 13 N., R. 65 W., southeast corner of sec. 31; highest point of rock, marked "6054" -----	6, 053.87
T. 13 N., R. 65 W., southeast corner of sec. 32; highest point of rock, marked "5969" -----	5, 968.79
T. 13 N., R. 65 W., southeast corner of sec. 33; iron post stamped "5906" -----	5, 906.264
T. 13 N., R. 65 W., southeast corner of sec. 36; iron post stamped "5813" -----	5, 813.263
T. 13 N., R. 65 W., southeast corner of sec. 25; highest point of rock, marked "5839" -----	5, 888.88
T. 13 N., R. 65 W., southeast corner of sec. 13; iron post stamped "5886" -----	5, 886.703
T. 13 N., R. 65 W., southeast corner of sec. 12; highest point of rock, marked "5833" -----	5, 833.07
T. 13 N., R. 65 W., southeast corner of sec. 1; highest point of rock, marked "5831" -----	5, 831.72
T. 14 N., R. 65 W., southeast corner of sec. 36; iron post stamped "5784" -----	5, 784.306
T. 14 N., R. 65 W., southeast corner of sec. 25; highest point of rock, marked "5860" -----	5, 859.86
T. 14 N., R. 65 W., southeast corner of sec. 24; highest point of rock, marked "5880" -----	5, 880.47
T. 14 N., R. 65 W., southeast corner of sec. 13; iron post stamped "5869" -----	5, 868.948
T. 14 N., R. 64 W., sec. 6, in front of station at Durham; top of rail on Union Pacific R. R. -----	5, 831.07
T. 15 N., R. 65 W., southeast corner of sec. 36; iron post stamped "5836" -----	5, 836.426
T. 15 N., R. 65 W., southeast corner of sec. 25; highest point of stone, marked "5798" -----	5, 798.06
T. 15 N., R. 65 W., southeast corner of sec. 24; highest point of stone, marked "5820" -----	5, 819.94
T. 15 N., R. 65 W., southeast corner of sec. 13; iron post stamped "5805" -----	5, 805.024
T. 15 N., R. 65 W., southeast corner of sec. 12; highest point of rock, marked "5777" -----	5, 777.12
T. 15 N., R. 65 W., southeast corner of sec. 1; highest point of rock, marked "5888" -----	5, 888.09

	Feet.
T. 16 N., R. 65 W., southeast corner of sec. 36; iron post stamped "5904" -----	5, 904. 314
T. 16 N., R. 65 W., southeast corner of sec. 13; iron post stamped "5859" -----	5, 859. 023
T. 16 N., R. 64 W., 450 feet east of center of sec. 8; nail at bottom of seventh post east of corner of fence, marked "5778" -----	5, 777. 82
T. 16 N., R. 64 W., southeast corner of sec. 4; iron post stamped "5729" (probably stamped incorrectly) -----	5, 724. 825
T. 17 N., R. 65 W., southeast corner of sec. 36; iron post stamped "5808" -----	5, 807. 780
T. 17 N., R. 65 W., southeast corner of sec. 35; highest point of rock, marked "5829" -----	5, 829. 22
T. 17 N., R. 65 W., southeast corner of sec. 34; highest point of rock, marked "5874" -----	5, 874. 55
T. 17 N., R. 65 W., southeast corner of sec. 33; iron post stamped "5890" -----	5, 889. 826
T. 17 N., R. 65 W., southeast corner of sec. 32; highest point of rock, marked "5923" -----	5, 922. 77
T. 17 N., R. 65 W., southeast corner of sec. 31; highest point of rock, marked "5979" -----	5, 979. 58
T. 17 N., R. 66 W., southeast corner of sec. 36; iron post stamped "6035" -----	6, 035. 184
T. 17 N., R. 66 W., southeast corner of sec. 33; iron post stamped "6124" -----	6, 125. 103
T. 17 N., R. 66 W., southeast corner of sec. 32; highest point of rock, marked "6189" -----	6, 189. 00
T. 17 N., R. 66 W., southeast corner of sec. 31; highest point of rock, marked "6254" -----	6, 253. 65
T. 17 N., R. 67 W., southeast corner of sec. 36; iron post stamped "6276" -----	6, 276. 15
T. 16 N., R. 67 W., southeast corner of sec. 1; highest point of rock, marked "6276" -----	6, 275. 92
T. 16 N., R. 67 W., near southeast corner of sec. 12; spike in 13th post south of gate, marked "6279" -----	6, 278. 74
T. 16 N., R. 67 W., southeast corner of sec. 13; iron post stamped "6244" -----	6, 243. 899
T. 16 N., R. 66 W., 600 feet south by 900 feet east of northwest corner of sec. 30, in deep ravine; top of large rock, marked "6205" -----	6, 205. 00
T. 16 N., R. 67 W., southeast corner of sec. 25, 350 feet south of; railway spike, marked "6147" -----	6, 147. 29
T. 16 N., R. 67 W., southeast corner of sec. 36; iron post stamped "6189" -----	6, 189. 005
T. 15 N., R. 67 W., southeast corner of sec. 1; highest point of rock, marked "6219" -----	6, 219. 15
T. 15 N., R. 67 W., southeast corner of sec. 12; highest point of rock, marked "6214" -----	6, 213. 73
T. 15 N., R. 67 W., southeast corner of sec. 13; iron post stamped "6176" -----	6, 176. 185
T. 15 N., R. 67 W., southeast corner of sec. 24; highest point of rock, marked "6189" -----	6, 189. 38
T. 15 N., R. 66 W., in NW. $\frac{1}{4}$ sec. 30, at northwest corner of South Snyder windmill post office ranch; iron pin marked "6177" -----	6, 177. 60

	Feet.
T. 15 N., R. 67 W., southeast corner of sec. 36; iron post stamped "6216"-----	6, 216. 269
T. 14 N., R. 67 W., 1,200 feet west of corner of sec. 1; iron pin near large rock, marked "6223"-----	6, 223. 54
T. 14 N., R. 67 W., 300 feet east of quarter corner south side of sec. 12; iron pin marked "6220"-----	6, 220. 08
T. 14 N., R. 67 W., southeast corner of sec. 13; iron post stamped "6142"-----	6, 142. 702
T. 14 N., R. 67 W., southeast corner of sec. 24; iron pin near rock, marked "6157"-----	6, 156. 96

The following bench mark was established in connection with the primary leveling done on the Eaton quadrangle, Colorado, in 1908, by W. R. Winstead:

	Feet.
Athol, in northeast corner of yard to railroad section house; iron post stamped "6303, Denver, 1908"-----	6, 302. 350

#### CHUGWATER QUADRANGLE.

[Latitude 41° 30'–42°; longitude 104° 30'–105°.]

Bench marks established near public-land corners (on single spur line).

T. 22 N., R. 64 W., northwest corner of sec. 4; iron post stamped "4426"-----	4, 421. 948
T. 22 N., R. 64 W., sec. 6; iron post stamped "4524"-----	4, 520. 246
T. 22 N., R. 65 W., sec. 4; iron post stamped "4653"-----	4, 649. 097

#### EGBERT QUADRANGLE.

[Latitude 41°–41° 30'; longitude 104°–104° 30'.]

Bench mark established near public-land corner.

T. 17 N., R. 63 W., south side of sec. 22; iron post stamped "5638"---	5, 634. 118
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#### GOSHEN HOLE QUADRANGLE.

[Latitude 41° 30'–42°; longitude 104°–104° 30'.]

Bench marks established near public-land corners.

T. 18 N., R. 62 W., 1,052 feet east of southwest corner of sec. 17; iron post stamped "4983"-----	4, 930. 045
T. 18 N., R. 62 W., northeast corner of sec. 1; iron post stamped "4984"-----	4, 979. 812
T. 19 N., R. 62 W., northeast corner of sec. 24; iron post stamped "4904"-----	4, 900. 247
T. 19 N., R. 61 W., 330 feet east of northwest corner of sec. 6; iron post stamped "4658"-----	4, 654. 706
T. 20 N., R. 62 W., northeast corner of sec. 24; iron post stamped "4510"-----	4, 506. 358
T. 20 N., R. 61 W., northwest corner of sec. 6; iron post stamped "4513"-----	4, 509. 173



	Feet.
T. 21 N., R. 61 W., northwest corner of sec. 19; iron post stamped "4359"-----	4, 355. 291
T. 21 N., R. 61 W., northwest corner of sec. 6; iron post stamped "4340"-----	4, 335. 699
T. 22 N., R. 61 W., northwest corner of sec. 19; iron post stamped "4263"-----	4, 258. 892
T. 22 N., R. 61 W., northwest corner of sec. 6; iron post stamped "4235"-----	4, 230. 679
T. 23 N., R. 61 W., northwest corner of sec. 19; iron post stamped "4258"-----	4, 254. 290
T. 23 N., R. 60 W., southeast corner of sec. 10; iron post stamped "4038"-----	4, 034. 645
T. 23 N., R. 60 W., southeast corner of sec. 34; iron post stamped "4064"-----	4, 060. 679
T. 23 N., R. 60 W., southwest corner of sec. 31; iron post stamped "4244"-----	4, 240. 613
T. 23 N., R. 61 W., southwest corner of sec. 34; iron post stamped "4242"-----	4, 238. 202
T. 22 N., R. 62 W., northwest corner of sec. 3, south of rock; iron post stamped "4250"-----	4, 246. 553
T. 22 N., R. 62 W., northwest corner of sec. 6; iron post stamped "4299"-----	4, 295. 035
T. 22 N., R. 63 W., northwest corner of sec. 3; iron post stamped "4370"-----	4, 366. 242
T. 22 N., R. 63 W., northwest corner of sec. 6; iron post stamped "4420" (on single spur line)-----	4, 416. 301
T. 21 N., R. 60 W., northeast corner of sec. 3, Wyoming-Nebraska State line; iron post stamped "4256 Chyn" (on spur line)-----	4, 252. 335
T. 21 N., R. 61 W., northeast corner of sec. 1; iron post stamped "4225 Chyn." (on single spur line)-----	4, 220. 989
T. 21 N., R. 61 W., northeast corner of sec. 4; iron post stamped "4318 Chyn." (on single spur line)-----	4, 314. 215

## Circuit west 12 miles, thence north 6 miles.

T. 21 N., R. 62 W., northwest corner of sec. 3; iron post stamped "4338 Chyn"-----	4, 334. 578
T. 21 N., R. 62 W., northwest corner of sec. 6; iron post stamped "4430 Chyn"-----	4, 426. 308
T. 21 N., R. 63 W., northwest corner of sec. 3; iron post stamped "4430 Chyn"-----	4, 426. 486
T. 21 N., R. 63 W., northwest corner of sec. 6; iron post stamped "4515 Chyn"-----	4, 511. 638

## Single spur line east 9 miles.

T. 23 N., R. 63 W., northwest corner of sec. 3; iron post stamped "4257 Chyn"-----	4, 253. 496
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## Near Torrington.

T. 23 N., R. 63 W., northwest corner of sec. 19; iron post stamped "4315 Chyn"-----	4, 311. 515
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## HARTVILLE QUADRANGLE.

[Latitude 42°-42° 30'; longitude 104° 30'-105°.]

Single spur line west 9 miles.

	Feet.
T. 23 N., R. 64 W., northwest corner of sec. 3; iron post stamped "4360 Chyn"-----	4,355.772
T. 23 N., R. 64 W., northwest corner of sec. 6; iron post stamped "4403 Chyn"-----	4,398.690
T. 23 N., R. 65 W., northwest corner of sec. 3; iron post stamped "4599 Chyn"-----	4,594.915

Line west to Wheatland.

T. 24 N., R. 64 W., northwest corner of sec. 4; iron post stamped "4694 Chyn"-----	4,690.142
T. 24 N., R. 65 W., quarter corner north side of sec. 2; iron post stamped "4930 Chyn"-----	4,926.090
T. 24 N., R. 65 W., quarter corner north side of sec. 6; iron post stamped "5032 Chyn"-----	5,027.518
Eagles Nest, 270 feet northeast of, at intersection of roads; iron post stamped "5011 Chyn"-----	5,006.572
Laramie River, on west side of abandoned road to, 650 feet south of crossing of Eagles Nest Creek bed; iron post stamped "4687 Chyn"-----	4,682.491
T. 24 N., R. 66 W., 2,800 feet southeast of northwest corner of sec. 10, west side of Chugwater road; iron post stamped "4552 Chyn"-----	4,547.627
Wheatland station, Colorado & Southern Ry., base of rail east side of; iron post stamped "4737 Chyn" (redetermined by Coast and Geodetic Survey)-----	4,733.173

## PATRICK QUADRANGLE.

[Latitude 42°-42° 30'; longitude 104°-104° 30'.]

Bench marks established near public-land corners.

T. 23 N., R. 61 W., sec. 6; iron post stamped "4314"-----	4,310.463
T. 24 N., R. 61 W., sec. 19; iron post stamped "4220"-----	4,215.677
T. 24 N., R. 61 W., quarter corner west side of sec. 7; iron post stamped "4110"-----	4,105.762
T. 23 N., R. 61 W., northwest corner of sec. 1; iron post stamped "4183"-----	4,178.674
T. 23 N., R. 62 W., northwest corner of sec. 6; iron post stamped "4201 Chyn"-----	4,197.338
T. 23 N., R. 62 W., northwest corner of sec. 3; iron post stamped "4177 Chyn"-----	4,172.930
T. 23 N., R. 63 W., northwest corner of sec. 6; iron post stamped "4309 Chyn"-----	4,305.478
T. 24 N., R. 63 W., northwest corner of sec. 19; iron post stamped "4346 Chyn"-----	4,342.776
T. 24 N., R. 63 W., northwest corner of sec. 6; iron post stamped "4655 Chyn"-----	4,651.438
T. 24 N., R. 63 W., northwest corner of sec. 3; iron post stamped "4443 Chyn"-----	4,439.566
T. 24 N., R. 62 W., northwest corner of sec. 6; iron post stamped "4228 Chyn"-----	4,224.300

	Feet.
T. 24 N., R. 62 W., northwest corner of sec. 3; iron post stamped "4133 Chyn"-----	4, 129. 571

Single spur line north 9 miles to Fort Laramie.

T. 25 N., R. 63 W., northwest corner of sec. 19; iron post stamped "4376 Chyn"-----	4, 372. 316
T. 25 N., R. 63 W., northwest corner of sec. 6; iron post stamped "4211 Chyn"-----	4, 207. 270
T. 26 N., R. 64 W., northwest corner of sec. 28; iron post stamped "4263 Chyn"-----	4, 258. 592

#### SHERMAN QUADRANGLE.

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

From Brennagans Springs, Colo., northward via Haley ranch to Otto.

T. 12 N., R. 69 W., sec. 14, 2.5 miles west of Brennagans Springs, forks in road; iron post stamped "6735 Denver"-----	6, 733. 087
T. 12 N., R. 69 W., sec. 8, 0.5 mile south of Upper Duck Creek ranch, top of ridge, northeast and southwest, in road forks; iron post stamped "7184 Denver"-----	7, 182. 226
T. 13 N., R. 69 W., sec. 33, 2.5 miles northeast of Upper Duck Creek ranch, top of ridge east-west, 14 feet south of road; iron post stamped "7139 Denver"-----	7, 137. 239
Otto siding, 300 feet east of water tank, 100 feet south of railroad track, 6 feet east of gate; iron post stamped "6945 Denver"-----	6, 943. 239

From Otto west along road to Sherman.

T. 13 N., R. 69 W., sec. 17, 1.2 miles east of Granite Canyon, 75 feet west of wagon road and railroad crossing, at fence corner; iron post stamped "7234 Denver"-----	7, 232. 222
Granite Canyon, north side of track, southwest corner of section house; stone post marked "U.S.□B.M." (C. & G. S. b. m. H)-----	7, 313. 158
T. 13 N., R. 70 W., sec. 13, 1 mile west of Granite Canyon, top of hill, north of road, at wire fence; iron post stamped "7439 Denver"-----	7, 437. 520
T. 13 N., R. 70 W., 0.2 mile east of corner of secs. 9, 10, 15, and 16, 1 mile east of Ozone, 75 feet south of road, on top of rock knoll; iron post stamped "7669"-----	7, 667. 118
Buford, 8 feet east of station, 60 feet south of railroad track; iron post stamped "7864"-----	7, 862. 269
T. 14 N., R. 71 W., sec. 33, 3.5 miles west of Buford, 20 feet north of road opposite old gravel pit; iron post stamped "8132 Denver"-----	8, 130. 256
T. 13 N., R. 71 W., sec. 6, at Old Sherman, northeast corner of Ames monument (C. & G. S. b. m. J.)-----	8, 281. 837

From Sherman northwest along road via Ames monument to southwest corner of Sec. 13, T. 14 N., R. 72 W., thence east via Latta ranch and Heckla to point near Nummon's ranch.

T. 14 N., R. 72 W., near northeast corner of sec. 14, 4.2 miles north of Old Sherman, top of ridge, 500 feet south of gate and road forks, east side of road; iron post stamped "8511 Denver"-----	8, 509. 053
T. 14 N., R. 71 W., sec. 17, 0.5 mile east of Blair's ranch, 80 feet northeast of summit, in granite rock; bronze tablet stamped "8131 Denver"-----	8, 129. 208

	Feet.
T. 14 N., R. 71 W., sec. 22, 1 mile west of Golden ranch, 1,000 feet west of road forks, north of road, in flat-topped granite rock; bronze tablet stamped "8063 Denver"-----	8, 061. 215
T. 14 N., R. 70 W., sec. 31, 2.2 miles east of Golden ranch, 150 feet south of road, in top of granite butte; aluminum tablet stamped "7739 Denver"-----	7, 737. 340
T. 14 N., R. 70 W., sec. 28, 3.5 miles west of Hecla, 800 feet west of gate and road forks, top of ridge, 100 feet north of road, at wire fence; iron post stamped "7517 Denver"-----	7, 515. 241
Hecla, at east side of road, at fence corner, 65 feet south of post-office building; iron post stamped "6756 Denver"-----	6, 754. 271
T. 14 N., R. 69 W., sec. 22, 0.2 mile south of Gillchrist ranch house, 150 feet north of intersection of Happy Jack and Silver Crown roads, at fence corner; iron post stamped "6544 Denver"-----	6, 542. 193
T. 14 N., R. 69 W., sec. 2, 1 mile north of Nimmon's ranch house, east of old road and gate on fence line east-west, between secs. 2 and 11, T. 14 N., R. 69 W.; iron post stamped "6526 Denver"-----	6, 524. 433
T. 15 N., R. 69 W., in sec. 15, 12 feet north of milepost 21, 35 feet east of Colorado & Southern Ry. track (C. & G. S. b. m. Z)-----	6, 749. 825
From milepost 21 on Colorado & Southern Railway west to Cheyenne Pass, thence south to southwest corner of Sec. 12, T. 14 N., R. 72 W.	
T. 15 N., Rs. 69 and 70 W., 480 feet south of corner of secs. 7, 12, 13, and 18, 1 mile southeast of William Lanner's ranch house, on divide, 200 feet west of old road; iron post stamped "7018 Denver"-----	7, 016. 252
T. 15 N., R. 70 W., sec. 10, 2.2 miles west of Lanner's ranch, north of road, 4 feet north of gate; iron post stamped "7282 Denver"-----	7, 280. 123
T. 15 N., R. 70 W., 3 feet east of corner of secs. 7, 8, 17, and 18, 1 foot south of gate, 1 mile northeast of Carroll's ranch house; iron post stamped "7646 Denver"-----	7, 644. 460
T. 15 N., R. 71 W., 17 feet south of gate on line between secs. 14 and 15, at crossroads, 0.8 mile north of William Ferguson's ranch house; iron post stamped "7892 Denver"-----	7, 890. 210
T. 15 N., R. 71 W., near southwest corner sec. 17, 2 miles east of Jack Gill's ranch house, top of ridge, 50 feet southeast of road forks; iron post stamped "8287 Denver"-----	8, 285. 087
T. 15 N., R. 72 W., sec. 23, 0.8 mile west of Jack Gill's ranch house, at Cheyenne Pass, summit in gap, 75 feet north of road; iron post stamped "8591 Denver"-----	8, 589. 245
Crow Creek Hill triangulation station, 7.8 miles north of Sherman, top of hill under signal, 500 feet west of Sherman-Laramie road, in sandstone outcrop; bronze tablet stamped "8878 Denver"-----	8, 875. 786
From Cheyenne Pass west along road to southeast corner of sec. 18, T. 15 N., R. 72 W., thence north to southeast corner of sec. 31, T. 16 N., R. 72 W., thence northeast along road to Baker ranch.	
T. 16 N., R. 72 W., sec. 28, 7 miles east of Laramie, top of divide, 30 feet south of road; iron post stamped "8480 Denver"-----	8, 478. 444
T. 16 N., R. 72 W., sec. 23, 2.9 miles southwest of Richardson's ranch house, at top of hill, 29 feet north of road; iron post stamped "8343 Denver"-----	8, 341. 660
T. 16 N., R. 71 W., sec. 18, 85 feet west of Richardson's ranch house, in top of bowlder; bronze tablet stamped "7832 Denver"-----	7, 830. 325

Feet.

T. 16 N., R. 71 W., sec. 4, 215 feet east of house on Baker ranch, 35 feet south of road, about 60 feet southeast of road forks, in top of dark granite rock 2 by 2 feet at ground and 15 inches high; aluminum tablet stamped "7658 Denver"----- 7, 657. 034

From Baker ranch east along road to vicinity of Horse Creek station.

T. 17 N., R. 71 W., sec. 33, 500 feet west of Mrs. Fullerton's house, 50 feet north of road, in vertical face of granite boulder 1 foot above ground; aluminum tablet stamped "7526 Denver"----- 7, 524. 522

Tps. 16 and 17 N., Rs. 70 and 71 W., 15.5 feet northeast of standard township corner, 3 miles east of Mrs. Fullerton's house, 4.5 feet north of wire fence, 600 feet north of road, in top of granite boulder 5 inches above ground; aluminum tablet stamped "7433 Denver"--- 7, 431. 405

T. 17 N., R. 70 W., sec. 34, 2.8 miles west of Horse Creek station, 300 feet east of gate, 25 feet south of road, in top of boulder, 1 foot above ground; aluminum tablet stamped "7140 Denver"----- 7, 138. 974

From Horse Creek station east along road to Whittaker's ranch, thence south to Lodgepole Creek and west to vicinity of Islay.

T. 17 N., R. 70 W., sec. 25, 1,000 feet east of Horse Creek station, north of east-west road, west of north-south road 4 feet north by 1 foot east of fence corner; iron post stamped "6494 Denver"----- 6, 492. 419

T. 17 N., R. 69 W., sec. 20, 2 miles northeast of Horse Creek station, 0.8 mile north of Chimney Rock, 120 feet south of road, 3 feet northwest of wire fence corner; iron post stamped "6613 Denver" 6, 611. 226

T. 17 N., R. 69 W., sec. 22, 5 miles east of Horse Creek station, 0.3 mile north of Whittaker ranch house, 30 feet south of road, 2 feet north of intersection of north-south fence with east-west fence; iron post stamped "6487 Denver"----- 6, 485. 861

T. 17 N., R. 68 W., sec. 19, 7.5 miles east of Horse Creek station, 0.2 mile north of Whittaker ranch house, 12 feet south of road, 2 feet north of corner of wire fence; iron post stamped "6357"----- 6, 355. 686

Tps. 16 and 17 N., secs. 4 and 33, 900 feet east of quarter corner on township line, 2.5 feet northwest of west gate post of wire gate in east-west fence; iron post stamped "6702 Denver"----- 6, 699. 909

T. 16 N., R. 68 W., southeast corner of sec. 8, 4 feet north of, 1 mile north of Pole Creek, 2 feet north of fence corner; iron post stamped "6716 Denver"----- 6, 714. 614

T. 16 N., R. 69 W., sec. 24, 1,000 feet southwest of Hasmon ranch house, 400 feet southwest of Pole Creek, 150 feet north of wire fence, in granite boulder 2 feet 6 inches by 2 feet 2 inches at ground and 2 feet high; aluminum tablet stamped "6603 Denver"----- 6, 601. 278

T. 16 N., R. 69 W., sec. 28, 0.2 mile west of Van Tassel's ranch house, 800 feet south of Pole Creek, 10 feet north of road, 4 feet west of north gate post, gate in north-south fence at intersection of east-west fence; iron post stamped "6671 Denver"----- 6, 669. 603

Islay, 50 feet east of track, in line of telegraph poles, 10 feet north of first telegraph pole south of Islay; Coast and Geodetic Survey bench mark A, marked "U. S.  $\square$  G. S."----- 6, 705. 246

Islay, 2 miles west by 1 mile south of, 2 feet south of township corner between Tps. 15 and 16 N. and Rs. 69 and 70 W., 4 feet south of wire fence, 250 feet east of gate in east-west fence; iron post stamped "6850 Denver"----- 6, 848. 000

**Encampment Special, Grand Encampment, Laramie, and Medicine Bow quadrangles.**

**ALBANY AND CARBON COUNTIES.**

The elevations in the following list result from a line of levels run from Coast and Geodetic Survey bench mark N at Laramie, southwest to Pinkhampton, Colo., thence northwest to Encampment, Wyo. The initial bench mark is a cross cut in the top of a copper bolt in northwest corner of foundation of courthouse at Laramie, and its elevation is accepted as 7,166.547 feet. The line from Laramie to Encampment was run in duplicate in the forward direction by Goyne Drummond and E. W. Glafcke, in 1901, and the mean of the two values adopted. Starting from the bench mark thus established at Encampment, Donnell Miller completed the leveling for the Encampment Special quadrangle in 1901.

Additional leveling in Laramie quadrangle was done in 1903 by G. Stubblefield and in Grand Encampment and Medicine Bow quadrangles in 1904 by R. W. Wieland.

**ENCAMPMENT SPECIAL QUADRANGLE.**

[Latitude 41°-41° 15'; longitude 106° 45'-107° 15']

**From Encampment west along public road through Battle and Rambler to Copperton.**

	Feet.
Encampment, 8 feet west of Encampment Commercial Co.'s store, at edge of sidewalk; iron post stamped "7322 Laramie"-----	7, 323. 482
T. 14 N., R. 84 W., sec. 10, 2 miles west of Encampment, 30 feet north of road, in ledge of rock; aluminum tablet stamped "7798 Laramie"-----	7, 799. 384
Encampment, 5.5 miles west of, in SE. $\frac{1}{4}$ sec. 18, T. 14 N., R. 84 W., 60 feet north of post office at Elwood, in solid rock; bronze tablet stamped "8502 Laramie"-----	8. 503. 389
T. 14 N., R. 85 W., sec. 27, 3.5 miles southwest of Elwood 5 feet north of road, in quartzite ledge; bronze tablet stamped "9387 Laramie"-----	9, 388. 092
Battle, at southeast corner of Main and Second streets, in large stone set in the ground; aluminum tablet stamped "9866 Laramie"-----	9, 866. 930
Rambler, at southwest corner of Main and Second streets, in granite stone; bronze tablet stamped "9232 Laramie"-----	9, 233. 010
T. 14 N., R. 86 W., sec. 33, 3.8 miles west of Rambler, 3.5 miles east of Copperton, in quartzite rock 15 feet north of road; bronze tablet stamped "9038 Laramie"-----	9, 038. 867
Copperton, at southeast corner of Chicago and Fourth streets, in sandstone; bronze tablet stamped "8357 Laramie"-----	8, 358. 367

**From Copperton via forks of Battle Creek, Kehney sheep pens, and Love's cabin to Hog Park.**

T. 13 N., R. 87 W., sec. 10, 3 miles southwest of Copperton, 20 feet north of road, in quartzite rock; bronze tablet stamped "8291 Laramie"-----	8, 291. 935
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	Feet.
T. 13 N., R. 87 W., sec. 22, 50 feet east of crossing of South Fork of Battle Creek, 10 feet south of road, in stone; aluminum tablet stamped "7211 Laramie"-----	7, 212. 051
T. 13 N., R. 87 W., sec. 25, 3.3 miles southeast of forks of Battle Creek, just west of top of divide to Roaring Fork of Snake River. 75 feet north of road, in sandstone; bronze tablet stamped "8075 Laramie"-----	8, 076. 117
T. 12 N., R. 86 W., sec. 4, 0.7 mile east of Kenney's dipping pens, 10 feet south of road, in rock; aluminum tablet stamped "7822 Laramie"-----	7, 823. 306
T. 12 N., R. 86 W., sec. 1, 300 feet east of Love's cabin, 25 feet south of road, in sandstone ledge; bronze tablet stamped "8225 Laramie"-----	8, 225. 910
T. 13 N., R. 85 W., sec. 32, on divide between Solomon Creek and North Fork of Snake River, 30 feet north of road, in gneiss rock; bronze tablet stamped "8844 Laramie"-----	8, 845. 349
NOTE.—Wagon road ends here. Follow pack trail in green pine over divide into Hog Park.	
T. 12 N., R. 85 W., sec 2, 6.5 miles east of Love's cabin, 10 feet north of point where trail crosses Continental Divide into Hog Park, in sandstone; bronze tablet stamped "9171 Laramie"-----	9, 172. 320
Top of Divide, 3.2 miles east of, southwest corner of sec. 5, T. 12 N., R. 84 W., 600 feet north of, in sandstone; bronze tablet stamped "8380 Laramie"-----	8, 381. 089

**From Hog Park along Encampment River to Encampment.**

T. 12 N., R. 84 W., quarter section corner to secs. 3 and 10, 60 feet north of, in sandstone; bronze tablet stamped "S202 Laramie"---	8, 203. 308
T. 13 N., R. 84 W., sec. 26, 70 feet west of river, at point where trail comes in from west side, in sandstone; bronze tablet stamped "7947 Laramie"-----	7, 948. 366
T. 13 N., R. 84 W., in NW. $\frac{1}{4}$ sec. 1, in Huston town site, 30 feet south of Thomas Madden's house on east bank of river, in sandstone; bronze tablet stamped "7403 Laramie"-----	7, 404. 412
T. 14 N., R. 84 W., sec. 12, 50 feet east of Boshore's house on west bank of river, in gneiss rock; bronze tablet stamped "7213 Laramie"-----	7, 214. 753

From point 6.2 miles southwest of Copperton (at forks of Battle Creek) along road down creek to Colorado State line.

Forks of Battle Creek, 3 miles southwest of, in SW. $\frac{1}{4}$ NW. $\frac{1}{4}$ sec. 30, T. 13 N., R. 87 W., at northeast corner of Gibson's house, in sandstone; bronze tablet stamped "7000 Laramie"-----	7, 001. 069
Colorado-Wyoming State line, 8 miles southwest of, near forks of Battle Creek, at Salisbury's ranch, on Snake River, in sandstone at mouth of Battle Creek; bronze tablet stamped "6703 Laramie"---	6, 704. 232

**GRAND ENCAMPMENT QUADRANGLE.**

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

From Ten Mile ranch via French post office to Jefferson Brown's ranch.

Ten Mile ranch, 200 feet northwest of bridge, 200 feet west of North Brush Creek, 40 feet northeast of road; iron post stamped "7901 Laramie"-----	7, 902. 880
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Feet.

Dewey Mine, 0.2 mile south of, 30 feet west of Hill Line Canal, in ledge of gneiss; aluminum tablet stamped "7793 Laramie"-----	7, 794. 887
Francis ranch and Brush Creek, 0.4 mile west of, 200 feet east of irrigation ditch, 150 feet north of road, in ledge of gneiss; aluminum tablet stamped "7709 Laramie"-----	7, 710. 425
Bennett post office, 2 miles east of, 30 feet from northwest corner of W. Condict's house, 15 feet south of road; iron post stamped "7406 Laramie"-----	7, 407. 489
French post office, 4.3 miles northwest of, 1 mile north of Cottonwood Creek, 10 feet east of road at summit of hill, in rock; aluminum tablet stamped "7720 Laramie"-----	7, 721. 583
Harry Moore's house, 0.2 mile west of, 10 feet west of road, in rock ledge; aluminum tablet stamped "7343 Laramie"-----	7, 344. 570
Elijah Moore's ranch house, 0.5 mile northeast of, 0.5 mile northeast of French post office, 40 feet west of road, in ledge of gneiss; aluminum tablet stamped "7434 Laramie"-----	7, 435. 608
From point 2 miles northeast of Bennett post office through Saratoga to point 3.1 miles north of Saratoga.	
W. Condict's ranch house, 3.3 miles northwest of, 30 feet west of road, on summit of hill, in gneiss ledge; aluminum tablet stamped "7523 Laramie"-----	7, 524. 778
Ridding's mail box, 0.5 mile northeast of, 800 feet northwest of Elk Creek, in gneiss ledge; aluminum tablet stamped "7083 Laramie"-----	7, 084. 431
Ryan's ranch, 0.6 mile northeast of, 15 feet east of road; iron post stamped "7049 Laramie"-----	7, 050. 410
J. G. Davis's ranch house, 600 feet southeast of, 10 feet south of road and gate; iron post stamped "6868 Laramie"-----	6, 869. 404
Davis's ranch house, 3.8 miles north of, 25 feet north of road and gate; iron post stamped "6815 Laramie"-----	6, 816. 297
Saratoga, 2 squares east of bridge over Platte River, at northeast corner of cross streets, 3 feet west of telephone pole; iron post stamped "6785 Laramie"-----	6, 786. 258
Saratoga, 3.1 miles north of, 150 feet west of Scribner's ranch house, 10 feet east of road, 6 feet south of telephone pole; iron post stamped "6774 Laramie"-----	6, 775. 207
From Jenkins's ranch house along highways to point 4.4 miles west of Hunter's ranch.	
J. H. Jenkins's ranch house, 0.8 mile west of, 300 feet west of French Creek bridge, 10 feet north of road, in rock; aluminum tablet stamped "7486 Laramie"-----	7, 488. 619
Jackson Brown's house, 500 feet east of, NE. $\frac{1}{4}$ sec. 1, T. 14 N., R. 82 W., 60 feet northeast of road, in diorite ledge; aluminum tablet stamped "7286 Laramie"-----	7, 287. 651
Jackson Brown's house, 3 miles south of, 10 feet east of road, in gneiss ledge; aluminum tablet stamped "7679 Laramie"-----	7, 680. 602
Jackson Brown's house, 6.1 miles south of, 10 feet east of road on hillside in granite outcrop; aluminum tablet stamped "7752 Laramie"-----	7, 754. 596
Hunter's ranch, 4.4 miles west of, 500 feet north of cabin, 30 feet north of road; iron post stamped "7692 Laramie"-----	7, 693. 288
From Big Creek ranch northwest along highways to Encampment.	
Big Creek ranch, west gate of, 1 mile west of buildings, at forks of road; iron post stamped "7704 Laramie"-----	7, 705. 246



	Feet.
Hunter's ranch, 4.4 miles northwest of, in Bear Creek basin, 30 feet north of road, 500 feet north of cabin; iron post stamped "7692 Laramie" -----	7, 693. 286
Downington, corner of store building; iron post stamped "7486 Laramie" -----	7, 487. 210
Downington, 2 miles west of, 20 feet north of road, 50 feet northwest of telephone pole 2291, in boulder; bronze tablet stamped "7540 Laramie" -----	7, 541. 153
Downington, 6.7 miles west of, 30 feet south of sandstone ledge, 120 feet west of Cherokee Creek; aluminum tablet stamped "7383 Laramie" -----	7, 383. 684

## LARAMIE QUADRANGLE.

[Latitude 41°-41° 30'; longitude 105° 36'-106°.]

From Laramie southwest along highways to Woods post office.

Laramie, northwest corner of courthouse, in foundation; aluminum tablet stamped "7164" -----	7, 164. 826
Laramie, 3 miles southwest of, T. 15 N., R. 74 W., sec. 1, 0.2 mile south of University farmhouse, left side of road; iron post stamped "7174 Laramie" -----	7, 175. 232
T. 15 N., R. 74 W., sec. 15, 6 miles southwest of Laramie, south side of county road, 2 feet north of buck fence, south of telephone pole 200; iron post stamped "7182 Laramie" -----	7, 183. 344
T. 15 N., R. 74 W., sec. 29, 9 miles southwest of Laramie, north side of road, 80 feet due south of Hutton Grove schoolhouse; iron post stamped "7204 Laramie" -----	7, 205. 320
T. 14 N., R. 75 W., sec. 2, 12.1 miles southwest of Laramie, top of ridge 3 miles southwest of Hutton Grove schoolhouse, close to buck fence; iron post stamped "7252 Laramie" -----	7, 253. 265
T. 14 N., R. 75 W., sec. 9, 15 miles southwest of Laramie, 50 feet north of county road, 10 feet north of telephone pole 500; iron post stamped "7276 Laramie" -----	7, 277. 033
T. 14 N., R. 76 W., sec. 24, 18 miles southwest of Laramie, ranch on south side of road, 100 feet south of telephone pole 612; iron post stamped "7313 Laramie" -----	7, 314. 039
T. 14 N., R. 76 W., sec. 27, 21 miles southwest of Laramie, 0.2 mile east of lake, northwest side of road, 10 feet south of telephone pole 720; iron post stamped "7366 Laramie" -----	7, 367. 023
T. 14 N., R. 77 W., near northeast corner of sec. 36, 24 miles southwest of Laramie, 10 feet north of road, at telephone pole 726; iron post stamped "7421 Laramie" -----	7, 422. 156
T. 15 N., R. 72 W., corner of secs. 17, 18, 19, and 20, 7 miles southeast of Laramie, 200 feet north of road; iron post stamped "7802 Denver" -----	7, 800. 100
Tps. 15 and 16 N., R. 72 W., 45 feet west of stone at corner of secs. 5, 6, 31, and 32, on ridge east-west, 5 miles east of Laramie; aluminum tablet stamped "7751 Denver" -----	7, 749. 368
From Laramie north to Wyoming, thence west to Old Wyoming, to Sprague's lane, thence south and east to Laramie.	
Soda triangulation station, on east side of iron post; ground -----	7, 259. 2
Laramie, 3 miles north of, 2.75 feet west of intersection of east-west fence on east side of road parallel to Union Pacific R. R. track, nearly opposite second brick house north of brewery; iron post stamped "7134 Laramie" -----	7, 135. 211

	Feet.
Antelope triangulation station, on east side of stone monument; ground -----	7, 229. 0
T. 17 N., R. 73 W., sec. 32, about 0.25 mile west of northeast corner of, 6.5 miles north of Laramie, about 1 mile southeast of Howell, east side of road, 2.5 feet west of fence corner; iron post stamped "7142 Laramie" -----	7, 143. 492
T. 17 N., R. 73 W., sec. 7, 45.5 feet west of northeast corner, 1.75 feet east of fence on west side of road; iron post stamped "7132 Laramie" -----	7, 133. 052
T. 18 N., R. 73 W., sec. 31, 71 feet west of northeast corner of, 12.5 miles from Laramie, 2.5 feet east of fence on west side of road; iron post stamped "7157 Laramie" -----	7, 158. 292
T. 17 N., R. 74 W., north side of, on fence line, 1 mile west by north of Wyoming, 3,000 feet west of Union Pacific R. R.; iron post stamped "7148 Laramie" -----	7, 149. 087
Old Wyoming, on Haley ranch, foundation of water tower, in north- east corner of, 10 inches from ground; aluminum tablet stamped "7075 Laramie" -----	7, 075. 702
Old Wyoming, 3.5 miles west by north of, 1,000 feet north of Four Mile Creek, east side of Sprague's lane, at west side of Haley ranch, 4.5 feet northwest of intersection of north-south fence with east- west fence; iron post stamped "7136 Laramie" -----	7, 137. 143
T. 17 N., R. 75 W., sec. 3, southeast corner of, west side of Sprague's lane, at top of hill, 2.25 feet east of intersection of east-west fence with north-south fence; iron post stamped "7242 Laramie" -----	7, 242. 595
T. 17 N., R. 75 W., sec. 26, about 1,600 feet north of southwest corner of, east side of road, 5 feet west of intersection of east-west with north-south fence; iron post stamped "7127 Laramie" -----	7, 128. 046
T. 16 N., R. 75 W., southwest corner of sec. 1, southwest side of road at oblique fence corner; iron post stamped "7159 Laramie" -----	7, 160. 211
T. 16 N., R. 74 W., sec. 16, near southwest corner of, north side of road, at top of hill, County Road triangulation station; iron post stamped "7359 Laramie" -----	7, 360. 448
T. 16 N., R. 74 W., sec. 36, 68 feet south of northwest corner of, 3.5 miles west of Laramie, 100 feet south of railroad cut, 100 feet north of road; iron post stamped "7260 Laramie" -----	7, 261. 149
From Old Wyoming west to James Lake, thence southwest via Phillips, Em- pire, and Coughlin ranches to Hatton, thence east to Laramie.	
T. 17 N., R. 76 W., sec. 2, 1.5 feet west of northeast corner, 0.5 mile south of Terence Fee's ranch house; iron post stamped "7236 Laramie" -----	7, 237. 395
T. 17 N., R. 76 W., sec. 21, near quarter corner on west side of, 1.25 miles southwest of Phillips's ranch house, 2.75 feet east of fence, 6 feet south of gate post; iron post stamped "7303 Laramie" -----	7, 304. 446
T. 16 N., R. 76 W., sec. 12, near southeast corner of, intersection of fences on range line, 2 miles south of Empire Land & Cattle Co.'s ranch house; iron post stamped "7224 Laramie" -----	7, 225. 157
T. 16 N., R. 76 W., sec. 28, 65 feet south of northwest corner of, about one-half mile east of Coughlin ranch, 2 feet southeast of south gate- post, 1 foot west of intersection of east-west with north-south fence; iron post stamped "7370 Laramie" -----	7, 370. 995

	Feet.
Hatton, T. 15 N., R. 76 W., sec. 6, near southwest corner of, 400 feet east of road summit, north side of Centennial stage road; iron post stamped "7695 Laramie"-----	7, 695. 803
T. 15 N., R. 76 W., near southeast corner of sec. 3, on Big Hollow Centennial road, on top of ridge west of large basin, 8.5 feet west of signpost "Left Hand Ridge Road"; iron post stamped "7716 Laramie"-----	7, 717. 601
T. 15 N., R. 75 W., sec. 6, 6.5 feet east of southwest corner of; iron post stamped "7333 Laramie"-----	7, 334. 059
T. 15 N., R. 75 W., sec. 12, north side of, 6 feet south of quarter corner; iron post stamped "7145 Laramie"-----	7, 146. 034
From Woods Landing road southwest to Lindsay's ranch house, thence northeast to Laramie.	
T. 13 N., R. 76 W., sec. 12, 4.5 feet south of northwest corner of, 2 miles southwest of Bacon ranch house, 10 feet south of east gatepost; iron post stamped "7283 Laramie"-----	7, 284. 326
T. 13 N., R. 76 W., sec. 22, 0.25 mile west of center of, 125 feet southwest of road forks, road branching to Jelm from north fork of road that passes through Bacon ranch; iron post stamped "7522 Laramie"-----	7, 522. 983
T. 12 N., R. 76 W., sec. 6, 6 feet west of quarter corner on east side of, 900 feet west of Lindsay's ranch house, about 120 feet south of road, 10 feet north of intersection of east-west and north-south fences; iron post stamped "7825 Laramie"-----	7, 826. 542
T. 12 N., R. 76 W., sec. 12, 600 feet east by 500 feet south of northwest corner of, 20 feet northeast of crossroads; iron post stamped "7585 Laramie"-----	7, 585. 880
Payne ranch, T. 12 N., R. 75 W., sec. 5, southwest corner of, on hill 6 feet south of intersection of east-west with north-south fence; iron post stamped "7547 Laramie"-----	7, 547. 837
T. 13 N., R. 75 W., sec. 28, 200 feet south of northwest corner of, 7 feet northwest of oblique fence corner, southeast side of road; iron post stamped "7422 Laramie"-----	7, 423. 098
T. 13 N., R. 75 W., sec. 2, 40 feet west of southeast corner of, 40 feet northeast of gate on southeast side of road; iron post stamped "7315 Laramie"-----	7, 315. 603
T. 14 N., R. 74 W., sec. 29, near center of; iron post stamped "7334 Laramie"-----	7, 335. 185
T. 14 N., R. 74 W., sec. 10, 0.25 mile south of northeast corner of, 4 feet northwest of northeast gatepost; iron post stamped "7258 Laramie"-----	7, 259. 448
Homer's ranch, 1.25 miles north by 0.5 mile east of, 0.25 mile east of Five Mile Creek, on Laramie and North Fork road, 9 feet north of oblique fence corner on southeast side of road; iron post stamped "7239 Laramie"-----	7, 240. 337
Laramie, 3.25 miles south of, 0.25 mile south of Fort Sanders, 120 feet north of railroad crossing, on west side of road, 4.5 feet east of railroad fence; iron post stamped "7180 Laramie"-----	7, 181. 086
From Steamboat Lake east and northeast to Sportsman Lake, thence northerly via Homer ranch to point 6.5 miles south and 2 miles west of Laramie.	
T. 12 N., R. 74 W., sec. 6, 9.5 feet south of northwest corner of, 300 feet west of gate for road to Chimney Rock, 2 miles south of Lin ranch house; iron post stamped "7418 Laramie"-----	7, 419. 135

	Feet.
T. 12 N., R. 74 W., sec. 10, 0.33 mile north by 0.2 mile east of southwest corner of, 50 feet northeast of road forks, 10 feet southeast of road; iron post stamped "7979 Laramie"-----	7, 980. 560
T. 13 N., R. 74 W., sec. 27, 0.25 mile north by 0.5 mile east of southwest corner of, 100 feet northeast of crossroads, 0.75 mile east of Johnston's ranch house; iron post stamped "7586 Laramie"-----	7, 586. 759
T. 13 N., R. 74 W., sec. 15, 0.25 mile east of northwest corner of, 65 feet northeast of crossroads, at south gate of Homer's ranch; iron post stamped "7444 Laramie"-----	7, 444. 783
T. 14 N., R. 73 W., sec. 31, near quarter corner on south side of, 10 feet east of road forks, 50 feet north of stone; iron post stamped "7428 Laramie"-----	7, 429. 145
T. 14 N., R. 73 W., sec. 29, quarter corner south side of, 121 feet west of; iron post stamped "7406 Laramie"-----	7, 407. 377
Red Butte, 9 miles south of Laramie, 600 feet southwest of station, on west side of road, 4 feet southeast of gatepost and gate for road to Homer's ranch house; iron post stamped "7304 Laramie"-----	7, 304. 912

From Sportsman Lake southeast 6 miles, thence southwest to T. 12 N.,  
R. 74 W., sec. 10.

T. 13 N., R. 73 W., sec. 16, 25 feet south of road; iron post stamped "7519 Laramie"-----	7, 520. 038
T. 13 N., R. 73 W., sec. 13, quarter corner west side of, 30 feet south of fence corner on south side of Tie siding and North Park road, 15 feet east of road forks; iron post stamped "7560 Laramie"-----	7, 561. 340
Ranch house, 0.75 mile southwest of, south side of road, 100 feet south of creek, 550 feet east of bridge over creek; iron post stamped "8029 Laramie"-----	8, 030. 485
Gale triangulation station-----	8, 669. 043
Gale, 2.25 miles southwest of, large granite rock on southeast side of road; aluminum tablet stamped "8727 Laramie"-----	8, 729. 106

#### MEDICINE BOW QUADRANGLE.

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

From Woods post office southwest along highways to Big Creek ranch.

Woods post office, 27 miles west of Laramie, 50 feet north of saloon, at forks of road; iron post stamped "7461 Laramie"-----	7, 462. 239
T. 13 N., R. 77 W., sec. 17, 3.1 miles southwest of Woods post office, top of ridge at edge of same, 25 feet north of Mountain county road; iron post stamped "8502 Laramie"-----	8, 503. 228
T. 13 N., R. 77 W., sec. 19, top of mountain, in timber, at forks of road, 50 feet north of telephone pole 1145; iron post stamped "8887 Laramie"-----	8, 888. 156
T. 13 N., R. 78 W., sec. 34, top of range, near telephone pole 1302, in heavy timber, on left side of road; iron post stamped "9173 Laramie"-----	9, 174. 297
Mountain Home, 0.5 mile east of post office, at forks of road to American Mine, 50 feet west of mail box, 40 feet east of telephone pole 1435; iron post stamped "8775 Laramie"-----	8, 776. 388
T. 12 N., R. 80 W., 20 feet north of county road, 0.2 mile east of small creek; iron post stamped "7920 Laramie"-----	7, 921. 234
T. 13 N., R. 81 W., sec. 35, 15 feet north of road, at telephone pole 2869, on sage brush flat; iron post stamped "7746 Laramie"-----	7, 747. 194

From Hatton along highways west through Centennial and Holmes to point  
0.8 mile west of J. H. Jenkins's ranch house.

	Feet.
T. 15 N., R. 77 W., sec. 9, 750 feet south of James Hay's ranch house, south of road, 5 feet north of gate entrance to pasture; iron post stamped "7667 Laramie"-----	7, 668. 638
T. 15 N., R. 77 W., sec. 18, 55 feet west of Halls Bridge over Little Laramie River, south side of road, 6 feet east of gate to pasture; iron post stamped "7732 Laramie"-----	7, 733. 658
Centennial, at east corner of First Presbyterian Church; iron post stamped "8074 Laramie"-----	8, 075. 683
T. 15 N., R. 78 W., sec. 26, 300 feet east of Thomas Byrd's house, near gate; iron post stamped "7921 Laramie"-----	7, 922. 640
T. 14 N., R. 78 W., 150 feet north of J. H. McNealey's house in sec 14; iron post stamped "8106 Laramie"-----	8, 107. 662
T. 15 N., R. 78 W., sec. 16, 2.2 miles west of John Byrd's ranch house, in granite rock on hill; bronze tablet stamped "9213 Laramie"----	9, 214. 625
T. 14 N., R. 79 W., sec. 12, 50 feet west of Ole Oleson's house, 15 feet south of road; iron post stamped "9662 Laramie"-----	9, 663. 605
T. 14 N., R. 79 W., sec. 3, 0.2 mile west of Douglas Creek Bridge, 0.8 mile west of American Copper Co.'s office, 90 feet south of road; iron post stamped "9428 Laramie"-----	9, 429. 612
Holmes post office, 500 feet south of granite boulder, 25 feet north- east of road; aluminum tablet stamped "9548 Laramie"-----	9, 550. 090
Holmes, 3 miles west of, 15 feet north of road; iron post stamped "9928 Laramie"-----	9, 929. 607
T. 15 N., R. 80 W., near line between secs. 34 and 35, 15 feet south of road, in rock; aluminum tablet stamped "9701 Laramie"-----	9, 702. 629
T. 15 N., R. 80 W., sec. 33, 600 feet west of Mullen Creek bridge, 10 feet north of road, in ledge; aluminum tablet stamped "8755 Lar- amie"-----	8, 756. 544
T. 15 N., R. 81 W., sec. 36, south of road; aluminum tablet stamped "8736 Laramie"-----	8, 737. 661
T. 15 N., R. 81 W., sec. 34, 12.4 miles west of Holmes, on hillside, 400 feet northwest of junction of road south to Mullen Creek, 50 feet south of road, in quartzite rock; aluminum tablet stamped "7788 Laramie"-----	7, 789. 761

From French Creek south to Platte River, thence via Douglas and Sheep  
creeks and Keystone to point 1 mile east of Holmes.

T. 14 N., R. 81 W., sec. 11, 1.9 miles north of Kennedy's house, 150 feet north of Mullen Creek, 25 feet east of road, in mica schist rock; aluminum tablet stamped "7766 Laramie"-----	7, 767. 584
T. 14 N., R. 81 W., near southwest corner of sec. 23, 150 feet northeast of Finrock's ranch house, 5 feet east of gate at road; iron post stamped "7380 Laramie"-----	7, 381. 424
T. 13 N., R. 80 W., sec. 6, 300 feet north of junction of Douglas Creek with Platte River, 20 feet northeast of road, in rock; alumi- num tablet stamped "7419 Laramie"-----	7, 420. 357
T. 14 N., R. 80 W., sec. 29, 1.3 miles northeast of mouth of Sheep Creek, 50 feet northwest of Sheep Creek, in rock; aluminum tablet stamped "8056 Laramie"-----	8, 057. 144
T. 14 N., R. 80 W., sec. 27, 3.9 miles northeast of mouth of Sheep Creek, in rock on edge of hill and 25 feet south of trail; aluminum tablet stamped "9254 Laramie"-----	9, 255. 076

	Feet.
T. 14 N., R. 80 W., sec. 36, 0.6 mile east of Devil's Gate Creek, at summit of hill, 1.5 miles northeast of Lenhardy's cabin, in granite rock 10 feet north of road; aluminum tablet stamped "9153 Laramie"---	9, 154. 380
T. 14 N., R. 79 W., sec. 29, 3.9 miles east of Lenhardy's cabin, 0.5 mile east of summit of hill, 40 feet south of road, in granite rock; aluminum tablet stamped "9399 Laramie"-----	9, 399. 818
Keystone mine, 800 feet west of, 100 feet south of Douglas Creek, 50 feet southwest of house, 50 feet north of road; iron post stamped "8890 Laramie"-----	8, 890. 717

From point 1 mile east of Holmes via Lake Marie and Gold Hill to Ten Mile ranch.

T. 15 N., R. 79 W., sec. 28, 2.5 miles north of Camp Douglas, 80 feet north of small stream, 10 feet east of trail, in granite rock; aluminum tablet stamped "9725 Laramie"-----	9, 726. 684
T. 15 N., R. 79 W., near line between secs. 17 and 18, 5.2 miles northwest of Camp Douglas, 300 feet south of quarter section corner, 150 feet north of Douglas Creek; iron post stamped "9972 Laramie"---	9, 973. 669
Camp Douglas, 7.2 miles north of, at corner of secs. 5, 6, 7, and 8, T. 15 N., R. 79 W.; iron post stamped "10330 Laramie"-----	10, 331. 711
Camp Douglas, 9.8 miles north of, corner of secs. 20, 21, 28, and 29, T. 16 N., R. 79 W., 100 feet south of Centennial Gold Hill road; iron post stamped "10487 Laramie"-----	10, 487. 694
T. 16 N., R. 80 W., sec. 25, 600 feet south of outlet of Lake Marie, 250 feet southwest of French Creek, in gneiss ledge; aluminum tablet stamped "10483 Laramie"-----	10, 485. 142
Lake Marie Pass, 0.6 mile southwest of, 200 feet west of crest of hill, 600 feet north of trail to Gold Hill, at quarter section corner; iron post stamped "10900 Laramie"-----	10, 901. 713
T. 16 N., R. 80 W., sec. 22, 3 miles west of Lake Marie, 0.4 mile west of South Brush Creek crossing, 10 feet north of Gold Hill road; iron post stamped "10020 Laramie"-----	10, 021. 776
T. 16 N., R. 80 W., sec. 21, 0.8 mile southwest of Gold Hill, in sandstone rock 15 feet north of road; aluminum tablet stamped "9548 Laramie"-----	9, 549. 735
T. 16 N., R. 81 W., sec. 24, 200 feet east of bridge, 10 feet north of road, in quartzite rock; aluminum tablet stamped "8960 Laramie"-----	8, 961. 523
T. 16 N., R. 81 W., sec. 21, at old headquarters, 200 feet north of Brush Creek, 20 feet south of road; iron post stamped "8369 Laramie"-----	8, 370. 843

#### Hanna Quadrangle.

#### CARBON COUNTY.

The elevations in the following list were determined by primary levels based upon a Coast and Geodetic Survey bench mark at Hanna and accord with the 1912 adjustment.

The leveling was done in 1911 by C. J. Ballinger.

## HANNA QUADRANGLE.

[Latitude 41° 45'-42°; longitude 106° 30'-106° 45'.]

From Hanna south along public road to Percy, thence west along old Union Pacific Railroad grade to Dana.

	Feet.
Hanna, 425 meters east of water tank on right of way, 90 feet north of center of main track, in line with and about halfway between first and second telegraph poles, east of an angle in line of telegraph poles; bottom of square hole in top of stone post, lettered "U. S. $\square$ B. M." (C. & G. S. I 2)-----	6, 779. 360
Hanna, 2.2 miles southeast of, north side of Hanna-Elk Mountain road; center of cross cut on small sandstone rock marked "6888"-----	6, 888. 27
Hanna, 2.4 miles southeast of, east end of north truss of bridge, on Hanna-Elk Mountain road; cross marked "6876"-----	6, 876. 68
Hanna, 3 miles southeast of, 60 feet northeast of Hanna-Elk Mountain road; center of cross cut on north side of sandstone rock, marked "7015"-----	7, 015. 03
Hanna, 4.6 miles southeast of, 10 feet south of road, at top of divide; iron post stamped "7284"-----	7, 284. 367
Old Percy, 90 feet northwest of northwest corner of ranch house; iron post stamped "6969"-----	6, 969. 132
Old Percy, 2.5 miles west of, middle of Union Pacific R. R. grade; center of cross cut at bottom of fence post on which is tin can nailed to top, marked "6910"-----	6, 909. 78
Old Percy, 3.6 miles west of, at bottom of fence post in middle of old Union Pacific R. R. grade (post has tin can nailed to top and barrel stave); center of cross cut at bottom of post, marked "6890"-----	6, 889. 78
Old Percy, 4.5 miles west of, east side of wagon road from Hanna to Kinney's ranch, center of old Union Pacific R. R. grade; iron post stamped "6878"-----	6, 877. 928
Old Percy, 5.5 miles west of, center of cross cut at bottom of fence post where fence crosses old Union Pacific R. R. grade obliquely; marked "6850"-----	6, 850. 33
Nelson's ranch, 8 miles west of Old Percy, on old Union Pacific R. R. grade, 200 feet north of ranch house; iron post stamped "6821"-----	6, 821. 105
Nelson's ranch, 1.24 miles west of, 200 feet south of high bluff, 100 feet east of culvert; on north side of old Union Pacific R. R. grade; cross cut in sandstone rock, marked "6803"-----	6, 803. 52
Dana, on right of way of Union Pacific R. R., 39 feet from center of main track, at point 1½ rails east of east end of station (burned down); bottom of square hole in top of stone post, lettered "U. S. $\square$ B. M." (C. & G. S. K 2)-----	6, 792. 185

From Hanna northwest along public road to Leo (Brook's mail box), thence east and south along road to Hanna.

Hanna, 2.1 miles west of, at Stevenson's ranch, 100 feet east of house, 20 feet east of yard fence; center of cross cut on white sandstone boulder, marked "6753"-----	6, 753. 31
Hanna, 3.8 miles west of, on east side of road from Hanna to Leo, where road goes through saddle; iron post stamped "6869"-----	6, 868. 800
Hanna, 4.9 miles northwest of, west side of wagon road from Hanna to Leo; center of cross cut on brown sandstone rock, marked "6986"-----	6, 986. 98

	Feet.
Hanna, 6.6 miles northwest of, 100 feet west of wagon road from Hanna to Leo; center of cross cut on large sandstone boulder, marked "7005"-----	7, 004. 99
Hanna, 7.8 miles northwest of, west side of wagon road to Leo, in top of very large white sandstone boulder; bronze tablet stamped "6877"-----	6, 877. 093
Hanna, 10.7 miles northwest of, 20 feet southwest of wagon road to Leo; center of circle on sandstone rock, marked "6577"-----	6, 577. 13
Hanna, 11.7 miles northwest of, at Brook's mail box, at road forks, northeast side of road to Leo; iron post stamped "6548"-----	6, 547. 905
Junction of Leo road with road to Brook's ranch, 1.4 miles east of, on rock ledge, 50 feet south of road to Brook's ranch, under signal; center of cross, marked "6787"-----	6, 787. 48
Junction of Leo road with road to Brook's ranch, 2.9 miles east of, in saddle south side of road, top of ridge, south of Medicine Bow River; iron post stamped "6822"-----	6, 822. 587
Junction of Leo road with road to Brook's ranch, 4.2 miles southeast of, 50 feet south of road from Brook's ranch, along ridge south of Medicine Bow River; center of cross on sandstone outcrop, marked "6871"-----	6, 871. 14
Junction of Leo road with road to Brook's ranch, 5 miles southeast of, north side of road along ridge south of Medicine Bow River from Brook's ranch to Hanna, in sandstone outcrop; bronze tablet stamped "7015"-----	7, 015. 647
Hanna, 8 miles north of, 60 feet southwest of wagon road from Brook's ranch to Hanna; center of cross on sandstone outcrop, marked "7283"-----	7, 283. 61
Hanna, 7.2 miles north of, south side of north prong of Willow Spring Canyon, 200 feet west of juniper tree; center of cross on sandstone outcrop, marked "7062"-----	7, 062. 63
Hanna, 6.4 miles north of, 80 feet northwest of road from Hanna to Hanson's ranch, 700 feet southwest of sheep pens, on white sandstone ledge; bronze tablet stamped "6940"-----	6, 940. 217
Hanna, 5.5 miles north of, 20 feet west of road to rocky ford on Medicine Bow River; center of cross cut on sandstone rock, marked "7095"-----	7, 094. 83
Hanna, 4.5 miles north of, east side of road from Hanna to rocky ford on Medicine Bow River, where road drops off hill; center of cross on sandstone rock, marked "7229"-----	7, 229. 01
Hanna, 3.8 miles north of, 100 feet east of road from Hanna to rocky ford on Medicine Bow River, 20 feet southeast of old rock house; center of cross cut on sandstone ledge, marked "7200"-----	7, 199. 96
Hanna, 2.7 miles north of, in flat 50 feet west of wagon road to rocky ford on Medicine Bow River; iron post stamped "7057" (?)-----	7, 057. 443
Hanna, 2 miles north of, where road to rocky ford on Medicine Bow River tops ridge, on conglomerate rock on east side of road, marked "7015"-----	7, 015. 64
Hanna, 1 mile north of, east side of road from Hanna to rocky ford on Medicine Bow River, on sandstone rock, marked "6842"-----	6, 842. 31
From junction of road near Brook's ranch northwest to old bench mark north of iron bridge over Medicine Bow River.	
Hanna, 13.4 miles northwest of, 100 feet northeast of road to Leo, 400 feet west of rock monument, top of hill; circle on sandstone rock-----	6. 606. 78



Hanna, 16 miles northwest of, on road to Leo; on northeast pier of iron bridge over Medicine Bow River; center of cross marked "6314" -----	Feet. 6,314.46
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## Walcott Quadrangle.

## CARBON COUNTY.

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

The leveling was done in 1912 by F. L. Whaley.

## WALCOTT QUADRANGLE.

[Latitude 41° 45'-42°; longitude 106° 45'-107°.]

From Walcott northeast along highway via Edson station 12 miles, thence west to point 9.5 miles northeast of Fort Steele.

Walcott, 0.3 mile east of, 0.2 mile south of Union Pacific R. R., ground elevation at forks of Hanna and Fort Steele roads, marked "6615" -----	Feet. 6,615.9
Walcott, 540 feet east of Union Pacific R. R. station, on first joint of north rail on east-going track, 6 feet west of road crossing; elevation on rail joint, marked "6625" -----	6,625.2
Walcott, Union Pacific R. R. station, joint of track nearest southwest corner of; marked "6625" -----	6,625.3
Walcott, 0.5 mile southeast of, southwest joint on southwest rail on trestle of Saratoga & Encampment Ry.; elevation at joint, marked "6626" -----	6,626.5
Walcott, 1 mile southeast of, 10 feet east of Saratoga & Encampment Ry. and Hanna-Walcott wagon road crossing; elevation on first joint of east rail, painted "6638" -----	6,638.4
Walcott, 2 miles northeast of, 50 feet east of road to Hanna, on south slope of ridge, 15 feet from top; marked on rock "T.B.M. 6788" -----	6,788.48
T. 21 N., R. 83 W., 1,000 feet east of east side of sec. 19, 2.8 miles northeast of Walcott, 100 feet south of Walcott-Hanna road, at top of hill; iron post stamped "6880" -----	6,880.485
Walcott, 4.5 miles northeast of, 0.5 mile north of Hanna road, 50 feet above bottom drain where it leaves side of high ridge; rock on east side of drain marked "6828" -----	6,828.61
Edson station, east of, on divide of high ridge south of Union Pacific R. R., at head of second draw from south side of ridge running west; rock 1.5 feet square, elevation painted "6912" -----	6,912.16
Edson station, 0.2 mile east of, 10 feet north of semaphore, in front of section house, joint of south rail of east-going track; elevation painted "6731" -----	6,731.4
Edson station, 1 mile northeast of, on Union Pacific R. R., 500 feet north of big rock cut, nearest joint of south rail of east-going track to semaphore; elevation painted "6752" -----	6,752.9
Edson station, 1.8 miles northeast of, 50 feet east of road on top of ridge, in top of large red sandstone rock; bronze tablet stamped "6868" -----	6,868.665

	Feet.
Edson station, 3.2 miles northeast of, 40 feet northwest of road at foot of south slope of long east-west ridge; elevation painted on large white sandstone rock, marked "7004"-----	7, 004. 98
Edson station, 3.2 miles north of, 300 feet south of road on long east-west ridge; west end of long yellow sandstone rock, painted "6887"-----	6, 887. 71
T. 22 N., R. 81 W., 280 feet south of northeast corner of sec. 21, 280 feet south of section corner on south side of long east-west ridge, in white sandstone ledge; bronze tablet stamped "6868"-----	6, 868. 786
Walcott, 8.5 miles north of, 700 feet southwest of road crossing, on long east-west ridge, 200 feet south of east-west road; elevation painted on top of white sandstone outcrop, marked "6754"-----	6, 752. 78
Walcott, 9 miles north of, on Walcott-Faris ranch road, near southeast corner of sec. 10, T. 22 N., R. 84 W., 420 feet west of road fork, in north end of white sandstone ledge outcrop, in small drain off long east-west ridge-----	6, 686. 88
T. 22 N., R. 84 W., near quarter corner on south side of sec. 9, 150 feet north of center of drain leading into lake; elevation painted on red sandstone rock, marked "6569"-----	6, 567. 36
T. 22 N., R. 84 W., 0.2 mile southeast of northwest corner of sec. 17, 9.5 miles north of Fort Steele, in open flat, 500 feet northeast of old lake, 10 feet east of road; iron post stamped "6528, Adj., 03"-----	6, 529. 284
From point 6 miles north of Fort Steele southeast along road to Walcott.	
Walcott, 8 miles northwest of, in flat basin between St. Marys Mountain and Mount Steele, 85 feet east of road; nail in wooden stake 2 by 4 inches and 3 feet long driven in ground, painted "T.B.M. 6635"-----	6, 635. 44
Walcott, 7.2 miles northwest of, at forks of Walcott and Fort Steele roads, 200 feet north of drain; base of large white sandstone rock, painted "T.B.M. 6662"-----	6, 662. 34
Walcott, 6.5 miles northwest of, 125 feet north of road, on south slope of low ridge; red sandstone boulder, painted "Y.B.M. 6702"-----	6, 702. 53
T. 21 N., R. 84 W., 500 feet west of quarter corner on east side of sec. 7, 4.5 miles northwest of Walcott, 40 feet east of road; iron post stamped "6733"-----	6, 733. 894
Walcott, 3.5 miles northwest of, on north hump of divide; 20 feet southwest of road-----	6, 845
Walcott, 2.2 miles northwest of, about center of large basin on small rise, 50 feet west of road; rock painted "T.B.M. 6751"-----	6, 751. 16
Walcott, 0.8 mile northwest of, 100 feet east of road, on west slope of low ridge; gray granite rock painted "T.B.M. 6714"-----	6, 714. 18
Walcott, 1.2 miles northwest of, near center of sec. 22, T. 21 N., R. 84 W., 100 feet east of road, on west side of small ridge; iron post stamped "6713"-----	6, 713. 868
Walcott, in front of station; top of rail-----	6, 625. 2
From point 12.5 miles northeast of Fort Steele along road east 5 miles, thence south to point 3 miles north of Edson station.	
Fort Steele, 12.5 miles northeast of, thence 1 mile east, 200 feet east of drain; white sandstone rock, painted "T.B.M. 6438"-----	6, 438. 56
Fort Steele, 12.5 miles northeast of, thence 1.6 miles east, 1.5 miles east of road, on north side of drain; white sandstone ledge, painted "T.B.M. 6522"-----	6, 522. 02

	Feet.
Walcott, 10 miles north of, 30 feet west of Walcott-Medicine Bow River road, near center of sec. 1, T. 22 N., R. 83 W., on top of small ridge; yellow sandstone rock, painted "T.B.M. 6530"-----	6, 529. 93
Walcott, 11 miles north of, on Walcott-Medicine Bow River road, 100 feet east of flag in big rock pile, 0.2 mile east of road crossing ridge; yellow sandstone rock, painted "T.B.M. 6533"-----	6, 532. 95
T. 22 N., R. 83 W., 2,000 feet southwest of northeast corner of sec. 5, on southwest slope of prominent ridge, on big sandstone ledge; bronze tablet stamped "6533"-----	6, 532. 897
T. 22 N., R. 83 W., 500 feet northeast of southeast corner of sec. 5, 50 feet east of large drain, on west slope of ridge; top of white sandstone boulder 10 by 6 feet, marked "T.B.M. 6558"-----	6, 558. 02
Edson station, 7 miles north of, 0.2 mile east of road, on south side of rocky ridge; yellow sandstone rock, painted "T.B.M. 6639"-----	6, 639. 39
T. 22 N., R. 83 W., sec. 17, 25 feet west of fork of two dim roads, on south edge of highest ridge, in yellowish sand rock; bronze tablet stamped "6875"-----	6, 875. 243
T. 22 N., R. 83 W., 1,000 feet southwest of northeast corner of sec. 20, 0.2 mile east of road, on top of low rocky ridge, near pile of stones; yellow sandstone rock, painted "T.B.M. 6799"-----	6, 799. 33
From point 18 miles northeast of Fort Steele along road west 9 miles, thence south to point 6 miles north of Fort Steele.	
T. 23 N., R. 84 W., near quarter corner on east side of sec. 12, 0.8 mile west of road, 1.8 miles east of North Platte River, on west slope of small ridge; yellow sandstone rock, painted "T.B.M. 6431"-----	6, 431. 44
T. 23 N., R. 84 W., 500 feet northwest of center of sec. 12, 1.5 feet west of road, 0.4 mile east of North Platte River, in large flat; yellow sandstone rock knoll, painted "T.B.M. 6407"-----	6, 407. 38
T. 23 N., R. 84 W., NW. $\frac{1}{4}$ sec. 11, 18 miles northeast of Fort Steele, 1,000 feet south of bend in North Platte River, 25 feet above bed of coulee on east bank; large yellow sandstone rock, painted "T.B.M. 6310"-----	6, 310. 10
T. 23 N., R. 84 W., 500 feet southeast of northwest corner of sec. 11, 0.8 mile west of North Platte River, 1,000 feet southeast of rock signal on hill, on east side of deep coulee; large yellow sandstone ledge, painted "T.B.M. 6364"-----	6, 364. 08
T. 23 N., R. 84 W., 250 feet northwest of southeast corner of sec. 3, 0.5 mile northwest of prominent bend in North Platte River, 150 feet south of tall rock pile on prominent hill, in sandstone ledge; bronze tablet stamped "6464"-----	6, 464. 103
T. 23 N., R. 84 W., 1,000 feet east of quarter corner on west side of sec. 3, 1.5 miles west of North Platte River, on north slope of smooth ridge, 0.2 mile south of Dry Creek; hard reddish rock, painted "T.B.M. 6428"-----	6, 428. 73
T. 23 N., R. 83 W., near center of sec. 4, 100 feet east of center of Dry Creek, 100 feet north of dim road to Dry Creek from south, in south slope of creek bank; upright rock, painted "T.B.M. 6390"-----	6, 390. 52
T. 23 N., R. 84 W., 1,000 feet west of quarter corner on east side of sec. 5, on east side of draw emptying into Dry Creek from north, in big sandstone ledge; bronze tablet stamped "6444"-----	6, 444. 966

Feet.

T. 23 N., R. 84 W., 1 mile southeast of northwest corner of, 300 feet east of quarter corner on west side of sec. 5, 200 feet east of fork of coulee that empties into Dry Creek; cross in white sandstone rock, marked "T.B.M. 6463"-----	6, 463. 36
T. 23 N., R. 84 W., at northwest corner of township; cross in top of stone, marked "6563"-----	6, 563. 30
T. 23 N., R. 85 W., 2,000 feet southeast of northwest corner of sec. 1, on prominent hill, in north side of big reddish rock; bronze tablet stamped "6725"-----	6, 725. 440
T. 23 N., R. 85 W., 2,000 feet northwest of southeast corner of sec. 2, on west slope of low ridge; yellow sandstone rock, marked "T.B.M. 6703"-----	6, 703. 93
Fort Steele, 16.9 miles north of, 2 miles west of range line of Rs. 84 and 85 W., on west side of small ridge; cross on yellow sandstone rock, marked "T.B.M. 6753"-----	6, 753. 38
T. 23 N., R. 85 W., 1,500 feet northwest of southeast corner of sec. 10, 5.5 miles north of Miller ranch house, on north end of small rocky mound; cross in white sandstone rock, marked "T.B.M. 6752"-----	6, 752. 38
T. 23 N., R. 85 W., 1,200 feet west of quarter corner on east side of sec. 15, at junction of two small coulees, in prominent reddish rock; bronze tablet stamped "6696"-----	6, 696. 443
T. 23 N., R. 85 W., 1,500 feet northeast of southwest corner of sec. 15, 12 miles north of Fort Steele, 100 feet south of small drain, 1,000 feet east of prominent rocky point, on north side of sharp rocky ridge; cross in white sandstone ledge, marked "6621"-----	6, 621. 02
T. 23 N., R. 85 W., 2,000 feet southwest of northeast corner of sec. 21, 4 miles north of Miller's ranch, 0.5 mile east of large drain running south in flat valley, between two rocky points; cross in white sandstone rock, marked "6572"-----	6, 572. 88
T. 23 N., R. 85 W., 300 feet northwest from southeast corner of sec. 21, 50 feet south of north end of long stone wall; cross in stone, marked "6537"-----	6, 537. 82
T. 23 N., R. 85 W., 1,500 feet north of southeast corner of sec. 28, near south end of stone wall; cross on east side of wall, marked "6347"-----	6, 487. 04
T. 23 N., R. 85 W., 2,000 feet south of northeast corner of sec. 33, where a coulee breaks through long stone wall, on east side of wall, in rock; bronze tablet stamped "6460"-----	6, 460. 580
T. 23 N., R. 85 W., 1,400 feet north of southeast corner of sec. 33, 100 feet east of high rocky point, on north end of south stone wall (3 miles north of Miller's ranch); cross in white sandstone ledge at base of stone wall, marked "T.B.M. 6444"-----	6, 444. 65
T. 22 N., R. 85 W., 2,000 feet northeast of southwest corner of sec. 3, 400 feet east of dim road running north from Miller's ranch, on west slope of high rocky cliff; cross on red sandstone rock, marked "T.B.M. 6409"-----	6, 409. 27
Fort Steele, 10.5 miles north of, 0.8 mile northeast of Miller's ranch, 500 feet east of road; nail in top of wooden stake 2 by 4 inches driven in ground, marked "T.B.M. 6379"-----	6, 379. 89
T. 22 N., R. 85 W., south side of sec. 10, 100 feet north of road from Miller's ranch to Fort Steele; cross on quarter section corner, marked "T.B.M. 6417"-----	6, 417. 68

	Feet.
T. 22 N., R. 85 W., about 0.2 mile southeast of quarter corner on north side of sec. 15, 5 feet north of road; iron post stamped "6488"-----	6, 488. 072
T. 22 N., R. 85 W., 500 feet southeast of quarter corner on west side of sec. 14, 100 feet west of road, on west side of small drain; cross in rock, marked "T.B.M. 6524"-----	6, 524. 40
T. 22 N., R. 85 W., 1,200 feet south of quarter corner on north side of sec. 23, 3 miles southeast of Miller's ranch, on south slope of ridge running north, 50 feet north of road; cross in hard red sandstone rock, marked "T.B.M. 6566"-----	6, 566. 75
Fort Steele, 7.3 miles north of, 100 feet south of road, 0.2 mile north of big ridge, 4 miles east of Miller's ranch; cross in small white sandstone rock, marked "T.B.M. 6558"-----	6, 558. 73
T. 22 N., R. 85 W., 0.2 mile southeast of northwest corner of sec. 25, 180 feet east of road, 4.5 miles southeast of Miller's ranch, on top of small sharp ridge; cross in red sandstone rock, marked "T.B.M. 6542"-----	6, 542. 36

Alcova, Casper, Douglas, Ferris, Fort Steele, Glenrock, and Leo quadrangles.

#### CARBON, CONVERSE, AND NATRONA COUNTIES.

The elevations in the following list were determined by primary leveling extending along North Platte River from bench marks of the Coast and Geodetic Survey at Rawlins, Fort Steele, and Orin and accord with the 1912 adjustment of precise leveling. Leveling by the Reclamation Service between Orin and Casper was also utilized.

The leveling was done in Ferris quadrangle in 1903 by E. W. Glafcke, in Leo quadrangle in 1903 by E. W. Glafcke, and in 1904 by M. S. Bright, in Fort Steele quadrangle in 1904 by M. S. Bright and R. W. Wieland, and in Alcova, Casper, Douglas, and Glenrock quadrangles in 1904 by M. S. Bright.

#### ALCOVA QUADRANGLE.

[Latitude 42° 30'-43°; longitude 108° 30'-107°.]

From C. Y. ranch along road west of Platte River to Alcova.

	Feet.
C. Y. ranch, 2.75 miles southwest of, north slope of flat ridge, in road forks; iron post stamped "5478, Adj., 1903"-----	5, 477. 683
C. Y. ranch, 6 miles southwest of, 0.5 mile south of lake, in road forks (Reclamation Service b. m.); iron post stamped "5392" (5391, Adj., 1903 stamped on side of cap)-----	5,390. 523
Clarkson ranch, 800 feet southeast of, 100 feet north of draw, in loop of road (Reclamation Service b. m.); iron post stamped "5563" (5562, Adj., 1903 stamped on side of cap)-----	5, 561. 163
Clarkson, 3.25 miles south of, on ridge, 10 feet east of road; iron post stamped "5997 Adj., 1903"-----	5, 996. 670
Poyce Ford, 3.25 miles west of, in flat east side bad lands, 15 feet south of road forks; iron post stamped "5602, Adj., 1903"-----	5, 601. 706

	Feet.
Owen Poyce ranch, 0.5 mile northeast of, 200 feet south of ford, 200 feet west of river, 20 feet south of road (Reclamation Service b. m.); iron post stamped "5273" (5271, Adj., 1903 stamped on side of cap) -----	5, 270. 707
Michael Hop ranch, 0.5 mile west of, 650 feet south of road forks, 500 feet northwest of river, east toe of hill, 10 feet west of road; iron post stamped "5316, Adj., 1903" -----	5, 315. 968
Alcova, 3.75 miles north of, 350 feet west of fence corner, 300 feet north of draw, west side of road, 40 feet north of forks; iron post stamped "5363, Adj., 1903" -----	5, 362. 942
Alcova, 1,000 feet north of; iron post stamped "5366" (Reclamation Service b. m.) -----	5, 363. 412
Alcova, in village of, 200 feet west of river, 150 feet south of building occupied by Alcova Mercantile Co. and post office, 45 feet west of road, in granite boulder; aluminum tablet stamped "5355, Adj., 1903" -----	5, 355. 547

**From Poyce Ford along road south to Bear Springs, thence west to Alcova.**

Poyce Ford, 2.25 miles southeast of, on flat ridge, 4 feet west of road; iron post stamped "5487, Adj., 1903" -----	5, 486. 617
Poyce Ford, 5.25 miles south of, on north slope of hill, 10 feet south of road; iron post stamped "5511, Adj., 1903" -----	5, 510. 640
Hayworth sheep pens, about 0.75 mile south of, in open flat, 14 feet west of road; iron post stamped "5820, Adj., 1903" -----	5, 819. 561
Bear Springs, 1 mile northeast of, on flat top of ridge, north side of gap, 40 feet west of road, in granite outcrop; aluminum tablet stamped "6389, Adj., 1903" -----	6, 388. 737
Bear Springs, 2 miles northwest of, north toe of slope, 12 feet east of road; iron post stamped "6086, Adj., 1903" -----	6, 085. 488

**From point near Hanson ranch north along road to Alcova.**

Hanson ranch, 0.25 mile north of, about 900 feet south of short red ridge, on south slope of hill, 150 feet west of draw, 15 feet west of road; iron post stamped "6020, Adj., 1903" -----	6, 020. 369
Natrona Oil Well No. 1, 0.75 mile south of, about 800 feet east of Platte River, in road forks; iron post stamped "5434, Adj., 1903" -----	5, 434. 297
Platte River, at U. S. water gage; surface of water August 11, 1904 -----	5, 331. 3

**From mouth of Sweetwater River along road northeast to Alcova.**

Sweetwater River, mouth of; surface of water August 17, 1904 -----	5, 702
Baker's ranch house, 400 feet north of, about 600 feet east of Sweetwater River, 300 feet east of road, on spur of ridge; iron post stamped on side of cap "5775, Adj., 1903" (Reclamation Service b. m.) -----	5, 774. 934
Bohannon ranch, 1 mile north of, 350 feet south of gate, 250 feet east of Sweetwater River, 150 feet east of road, on hillside, in granite outcrop; aluminum tablet stamped "5784, Adj., 1903" -----	5, 783. 739
Bohannon ranch, 4 miles north of, 350 feet north of crossroads, south side of slope, 6 feet east of road; iron post stamped "6214, Adj., 1903" -----	6, 213. 986
Alcova, 6.25 miles west of, 20 feet south of road, in gap; iron post stamped on side of cap "6343" (Reclamation Service b. m.) -----	6, 343. 061
Alcova, 5 miles west of, on spur of ridge where road turns north, 10 feet west of road; iron post stamped "6126, Adj., 1903" -----	6, 126. 013

## CASPER QUADRANGLE.

[Latitude 42° 30'-43°; longitude 106°-106° 30'.]

From point 1.5 miles east of Big Muddy Creek along Chicago &amp; North Western Railway to Casper.

	Feet.
Big Muddy, 1.5 miles east of, 100 feet southwest of bridge 907, west bank of canyon, midway between wagon road and railroad; iron post stamped on side of cap "5040"-----	5, 039. 559
Big Muddy, in front of station; top of south rail-----	5, 052. 5
Big Muddy, 1.5 miles west of station, 90 feet south of track, 150 feet southeast of stone culvert, 5 feet east of gate at road crossing; iron post stamped on side of cap "5037"-----	5, 036. 587
Strouds siding, 6 miles east of, 500 feet southwest of milepost 539, 100 feet south of track, 3 feet east of wire gate; iron post stamped "5099, Adj., 1903"-----	5, 098. 542
Strouds siding, 2.8 miles east of, north side of track, 100 feet northeast of road crossing, 400 feet west of bridge 924, in fence corner; iron post stamped on side of cap "5122"-----	5, 121. 787
Strouds siding, 2 miles east of, north side of track, opposite milepost 593, near right of way fence; iron post stamped "5110, Adj., 03"-----	5, 109. 520
Casper, 2.25 miles east of, 100 feet north of track, 60 feet northeast of milepost 596, south side of wagon road, 4 feet west of fence corner; iron post stamped "5121, Adj., 03"-----	5, 120. 494
Casper, in front of Chicago & North Western Ry. station; top of south rail-----	5, 123. 0
Casper, 50 feet east of courthouse, at entrance to grounds, 3 feet south of gate; iron post stamped "5124, Adj., 1903"-----	5, 123. 572
Casper, Stockmen's National Bank, north of east entrance, in concrete pavement; aluminum tablet stamped "5125" (Reclamation Service b. m.)-----	5, 123. 408

From Casper southwest along road west of Platte River to C. Y. ranch house.

Platte River, at bridge, surface of water, September 2, 1906-----	5, 108
Platte River bridge, 3 miles southwest of, 1,000 feet west of river, 600 feet northwest of sheep pens in road forks; iron post stamped on side of cap "5165, Adj., 1903" (Reclamation Service b. m.)-----	5, 165. 000
Platte River bridge, 6.5 miles southwest of, 500 feet south of bad lands, 700 feet west of river, 15 feet west of road, east side of small canyon; iron post stamped "5192, Adj., 1903"-----	5, 191. 664
C. Y. ranch house, 500 feet north of, 125 feet west of fence corner, 50 feet north of wire fence; iron post stamped on side of cap "5218, Adj., 1903" (Reclamation Service b. m.)-----	5, 217. 530

From Casper southwest along stage road east of river to Poyce Ford.

Casper, 3 miles southwest of, foot of hills, 120 feet east of Platte River, 100 feet east of road; iron post stamped on side of cap "5132, Adj., 1903"-----	5, 131. 456
McFarland ranch, 2.75 miles northeast of, west bank of dry creek, 30 feet south of road; iron post stamped "5225, Adj., 1903"-----	5, 224. 559
McFarland ranch, 0.4 mile west of, 400 feet east of Platte River, 60 feet north of road, 10 feet south of east-west fence; iron post stamped on side of cap "5210, Adj., 1903" (Reclamation Service b. m.)-----	5, 209. 302

Feet.

Madison Creek bridge, 1.5 miles northeast of, south slope, south spur of ridge, north side of canyon, 4 feet east of road, in sandstone outcrop; aluminum tablet stamped "5458, Adj., 1903"-----	5, 457. 355
Dan Speas ranch, 0.25 mile east of, 0.25 mile east of river, in road forks; iron post stamped "5251, Adj., 1903"-----	5, 250. 613
Platte River, mouth of Coal Creek; surface of water August 27, 1904-----	5, 197. 0
McBeth ranch house, 1 mile north of, point of sandstone ridge, 90 feet east of road, in outcrop; aluminum tablet stamped "5259, Adj., 1903"-----	5, 258. 714
Bates Creek bridge, 80 feet south of, east side of road near wire fence, 15 feet north of fence corner; iron post stamped "5325, Adj., 1903"-----	5, 324. 763
From C. Y. or Goose Egg ranch along road crossing river to Madison Creek bridge.	

Platte River, at ford; surface of water September 6, 1904----- 5, 171

## DOUGLAS QUADRANGLE.

[Latitude 42° 30'–43°; longitude 105°–105° 30'.]

From Orin along Chicago & North Western Railway to Fetterman siding.

Orin Junction, Converse County, in southwest stone pier of water tank, on side toward Colorado & Southern Ry. track; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. S 1)-----	4, 704. 936
Orin Junction, 200 feet south of station, northeast corner of M. G. Howell's residence, also utilized as post office; iron post stamped "4701"-----	4, 698. 805
Orin Junction, in front of station; top of south rail-----	4, 704. 2
Irvine, 4 miles east of, north side of track, 50 feet north of milepost 534, near wire fence; iron post stamped on side of cap "4733"-----	4, 732. 790
Irvine, 1 mile east of, north side of track, 60 feet north of milepost 537, near wire fence; iron post stamped on side of cap "4779"-----	4, 778. 872
Irvine siding; top of rail-----	4, 743. 1
Douglas, 6 miles southeast of, north side of track, 50 feet north of milepost 540, near wire fence; iron post stamped on side of cap "4822"-----	4, 821. 878
Douglas, 3 miles southeast of, 250 feet south of milepost 543, 100 feet south of track, near wire fence; iron post stamped on side of cap "4839"-----	4, 828. 923
Douglas, 100 feet north of station, 100 feet east of main track, northwest corner of park; iron post-----	4, 814. 704
Douglas, in front of station; top of rail-----	4, 815. 4
Douglas, west end of south sill of foundation of water tank (Reclamation Service b. m.)-----	4, 815. 10
Bridge over Platte River, east end; top of rail-----	4, 832. 4
Bridge over Platte River, west end; top of rail-----	4, 832. 5
Bridge across Platte River, 0.25 mile west of, north side of track, 400 feet southwest of Morton ranch house, south edge of road, 3 feet west of gate entrance to railroad right of way; iron post stamped on side of cap "4825"-----	4, 824. 701
Douglas, 5.8 miles west of, 140 feet west of bridge 861, north side of public road, 4 feet west of gate to pasture; iron post stamped on side of cap "4879"-----	4, 878. 642



	Feet.
Fetterman siding, 2.25 miles east of, opposite milepost 555, 90 feet south of track, near wire fence; iron post stamped on side of cap "4893" -----	4,892.684

**FERRIS QUADRANGLE.**

[Latitude 42°-42° 30'; longitude 107°-107° 30'.]

From point 16 miles north of Rawlins, along road west of river, northeast to point about 3.6 miles northeast of Ferris.

Rawlins, 17.8 miles north of, 20 feet east of road, 600 feet north of bridge across Separation Creek; iron post stamped "6468" -----	6,469.076
Rawlins, 21 miles north of, 20 feet east of stage road, in sand hills; iron post stamped "6540" -----	6,541.449
Rawlins, 24.75 miles north of, 20 feet east of road, in sand hills; iron post stamped "6639" -----	6,640.452
Stone ranch, 80 feet northeast of buildings at forks of road to Ferris; iron post stamped "6714" -----	6,715.224
Stone ranch, 4.37 miles north of, 30 miles north of Rawlins, on knoll in sand hills, 20 feet east of road; iron post stamped "6908" -----	6,909.210
Stone ranch, 7.3 miles north of, in sand hills, on south slope of divide on ridge, 10 feet west of road; iron post stamped "6911" -----	6,911.808
Stone ranch, 9.6 miles north of, 150 feet north of bridge across Sand Creek, 20 feet east of road; iron post stamped "6612" -----	6,613.234
Stone ranch, 12 miles north of, 20 feet west of road, in Sand Creek canyon, 700 feet west of creek; iron post stamped "6462" -----	6,563.447
Ferris, 0.8 mile west of, 740 feet south of forks in Weldon Grove, at Chapman's ranch, 10 feet east of road; iron post stamped "6356" -----	6,356.596
Ferris, 2.96 miles north of, 15 feet west of road, at northwest corner of Murrey's ranch; iron post stamped "6092" -----	6,092.561
Perkins ranch, 0.36 mile northwest of, 10 feet west of upper road; iron post stamped "6007, Adj., 1903" -----	6,006.974

**FORT STEELE QUADRANGLE.**

[Latitude 41° 30'-42°; longitude 106° 30'-107°.]

From point 3.1 miles north of Saratoga north along highways to point 0.8 mile west of Walcott.

Saratoga, 7 miles north of, 40 feet east of road, 10 feet south of telephone pole, 50 feet east of forks of road to Platte River and coal mines; iron post stamped "7079 Laramie" -----	7,080.252
Saratoga, 10.2 miles north of, 400 feet east of telephone line, 50 feet east of road; iron post stamped "6927 Laramie" -----	6,928.166
Cooks ranch, 1.9 miles north of, 8 feet east of road, 20 feet north of telephone pole; iron post stamped "6867 Laramie" -----	6,868.155
Cooks ranch, 5 miles north of, 15 feet west of road, 10 feet north of telephone pole; iron post stamped "6718 Laramie" -----	6,719.081
Walcott, 1.8 miles south of, 3.1 miles north of Pass Creek, on summit 10 feet north of telephone pole, 30 feet south of road; iron post stamped "5907 Laramie" -----	6,908.002
Walcott, 0.8 mile west of, south of track, near center of capstone of drain pipe, bottom of square cut lettered "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. M 2) -----	6,605.052

From Fort Steele north along road east of North Platte River to point 4 miles south of Medicine Bow River.

Feet.

NOTE.—This line is unadjusted, and closes 1 foot high upon a checked elevation at Medicine Bow River.

Fort Steele, on southeast corner of stone foundation under more eastern one of two southern iron columns supporting the railroad water tank west of station, letters "U. S. B. M." are cut in east face of foundation just under bench mark; bottom of square cut (C. & G. S. b. m. N 2)-----	6, 514. 547
Fort Steele, in front of Union Pacific R. R. station; top of rail-----	6, 512. 2
Fort Steele, triangulation station, 600 feet south of station; iron post stamped "6512, Adj., 1903"-----	6, 513. 270
North Platte River, ford; surface of water July 19, 1904-----	6, 470. 5
Fort Steele, 3 miles north of, in gap, 10 feet east of summit in road, in sandstone outcrop; aluminum tablet stamped "7094, Adj., 1903"-----	7, 095. 242
Fort Steele, 6 miles north of, on ridge, 8 feet west of road; iron post stamped "6624, Adj., 1903"-----	6, 625. 324
Fort Steele, 9.5 miles north of, in open flat, 500 feet northeast of old lake, 10 feet east of road; iron post stamped "6528, Adj., 1903"-----	6, 529. 284
Fort Steele, 12.5 miles north of, 600 feet north of road forks, on top of flat ridge, 8 feet west of road; iron post stamped "6514"-----	6, 515. 304
Fort Steele, 15.75 miles north of, about 1,000 feet north of canyon, 110 feet south of old road forks, 8 feet east of road; iron post stamped "6416, Adj., 1903"-----	6, 417. 279
Fort Steele, 18.25 miles north of, 5 miles south of Medicine Bow River, 25 feet east of road, in flat; iron post stamped "6471, Adj., 1903"-----	6, 472. 703

#### GLENROCK QUADRANGLE.

[Latitude 42° 30'–43°; longitude 105° 30'–106°.]

From Fetterman siding along Chicago & North Western Railway to point 1.5 miles east of Big Muddy.

Fetterman siding; top of rail-----	4, 907. 2
Fetterman siding, 0.5 mile west of, 100 feet west of creek, 700 feet east of milepost 558, 100 feet south of bridge 867, 3 feet west of fence corner; iron post stamped on side of cap "4888"-----	4, 887. 784
Inez siding, 50 feet north of track, 6 feet west of northeast corner of yard fence around Slichter ranch house; iron post stamped on side of cap "4931"-----	4, 930. 816
Careyhurst, 150 feet west of section house, south side of track, near wire fence; iron post stamped on side of cap "4944"-----	4, 943. 627
Section house 106, 1.8 miles east of, 800 feet south of river, north side of track, 80 feet north of milepost 567, near wire fence; iron post stamped on side of cap "4958"-----	4, 957. 662
Glenrock station, 5 miles east of, 70 feet north of milepost 570, 150 feet northwest of bridge 886, 110 feet west of fence corner, near wire fence; iron post stamped on side of cap "4969"-----	4, 968. 549
Glenrock, 2 miles east of, 90 feet north of track, opposite milepost 573, south side of wagon road, near wire fence; iron post stamped on side of cap "5009"-----	5, 008. 710
Glenrock, in front of station; top of south rail-----	5, 009. 2

	Feet.
Glenrock, 1.25 miles west of, 350 feet south of river, 100 feet south of track, 200 feet north of wagon road, near wire fence; iron post stamped on side of cap "5024"-----	5, 023. 577
Big Muddy, 4 miles east of, 90 feet south of bridge 900, near wire fence; iron post stamped on side of cap "5023"-----	5, 022. 571

## LEO QUADRANGLE.

[Latitude 42°-42° 30'; longitude 106° 30'-107°.]

From point 4 miles south of Medicine Bow River north along road east of Platte River to point 3 miles north of Canyon Creek.

Medicine Bow River, 1 mile south of, 800 feet southwest of corner of secs. 27, 28, 33, and 34, T. 24 N., R. 83 W.; iron post stamped "6415, Adj., 1903." (This elevation is possibly 1 foot too great.)-----	6, 416. 527
Austin Creek, 3.7 miles south of, 200 yards south of forks of road on mesa, 30 feet west of road; iron post stamped "6448, Adj., 1903"-----	6, 448. 668
Austin Creek, 500 feet north of, 15 feet west of road, east end of sandstone ridge, at John Schnider ranch, in ledge of sandstone; aluminum tablet stamped "6656, Adj., 1903"-----	6, 656. 457
Hunter ranch, 3.6 miles south of, top of divide between Lost Creek and Sailor Creek, 70 feet east of road, in limestone boulder; aluminum tablet stamped "7432, Adj., 1903"-----	7, 432. 626
Lost Creek, 0.25 mile east of, 5.1 feet east of gate to Hunter ranch, 20 feet west of road; iron post stamped "6798, Adj., 1903"-----	6, 798. 619
Sage Creek, 3 miles southeast of, 100 feet east of road on east slope of hill, base of rock mountain on divide between Sage Creek and Lost Creek, in granite boulder; bronze tablet stamped "6583, Adj., 1903"-----	6, 583. 797
Sage Creek, 300 feet north of, 100 feet west of trail on edge of mesa, in boulder; aluminum tablet stamped "6042, Adj., 1903"-----	6, 043. 013
Campbell's ranch, 2.5 miles south of, top of ridge, 9 feet west of road; iron post stamped "6665, Adj., 1903"-----	6, 665. 850
Campbell's ranch house, 1,000 feet east of, 300 feet north of small stream, on southwest point of ridge, 8 feet north of road; iron post stamped "6805, Adj., 1903"-----	6, 805. 620
Campbell's ranch, 3.25 miles north of, 300 feet east of divide, 60 feet northeast of granite bluff, 10 feet south of road; iron post stamped "6892, Adj., 1903"-----	6, 892. 607
Kingrey's cabin, 1.75 miles northwest of, 0.25 mile south of Canyon Creek, 500 feet southeast of butte, on ridge, 10 feet south of road; iron post stamped "6419, Adj., 1903"-----	6, 419. 598
Canyon Creek, 2.75 miles north of, summit of mesa, 25 feet west of road; iron post stamped "6717, Adj., 1903"-----	6, 717. 438
From point 2 miles north of Ferris east along road crossing river at De Wesse Creek and continuing 0.8 mile southeast to Sage Creek, 6.5 miles south of Hunter ranch.	
Ferris, 4 miles northeast of, 60 feet west of De Wesse Creek, west side of road, 0.6 mile south of clump of box-elder trees; iron post stamped "6041"-----	6, 041. 893
De Wesse Creek, south of, 750 feet west of Platte River ford, 900 feet northwest of road at east end of Weaver's pasture, on east slope of hill, large rock mound is 60 feet west; iron post stamped "5855"-----	5, 856. 037

	Feet.
Platte River, mouth of De Wesse Creek at ford-----	5,794
Platte River ford, 5 miles southeast of, 25 feet south of trail, on divide between Sage Creek and river; iron post stamped "5969"---	5,969.710
Platte River ford, 7.1 miles southeast of, 1 mile southwest of Sage Creek, 20 feet south of trail on south slope of mesa; iron post stamped "6086"-----	6,086.274

From road crossing Canyon Creek 3 miles north of Kingrey's cabin west via Cardwell ranch to Pick ranch.

Hank Cardwell ranch house, 80 feet southwest of, 10 feet south of road, in toe of granite butte; aluminum tablet stamped "6193, Adj., 1903"-----	6,193.930
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From point near Perkins ranch by road west of river to Pick ranch.

Weaver's lower ranch house, 0.25 mile northwest of, 10 feet north of gate entrance to pasture; iron post stamped "5808, Adj., 1903"---	5,807.760
Pick ranch, 0.75 mile north of, 0.25 mile west of Platte River, 700 feet northeast of fence corner on sand ridge, 15 feet east of road; iron post stamped "5751, Adj., 1903"-----	5,750.643

Baggs, Rawlins, and Savery Creek 30' quadrangles.

#### CARBON COUNTY.

The elevations in the following list are based on a Coast and Geodetic Survey bench mark at Rawlins corrected to 1912 adjustment.

The leveling was done in 1907 by L. Reinecke. The line was run as a single unchecked primary line for 31 miles. From there on rod readings to hundredths only were made; the line must, therefore, be regarded as secondary, although permanent bench marks were set at intervals along its course.

The checked leveling in Rawlins quadrangle north of Rawlins was done in 1903 by E. W. Glafcke.

#### BAGGS QUADRANGLE.

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

From point 32.8 miles southwest of Rawlins southwest along highways to Baggs.

	Feet.
Rawlins, 32.8 miles southwest of, about 0.5 mile south of Wilson's ranch house, 25 feet east of Baggs road, 15 feet north of trail south, 7 feet northeast of T road east, in southwest corner of pasture; iron post-----	7,013.10
Rawlins, 35.9 miles southwest of, 20 feet west of Baggs road, at point where road turns south down slope after running on sandy top for 0.8 mile; iron post-----	6,955.181
Rawlins, 39.2 miles southwest of, 25 feet east of Baggs road, north of bed of intermittent stream; iron post stamped "6717, Adj., '03---	6,718.128
Muddy Bridge, in south rail of bridge; east bolt-----	6,455.76

	Feet.
Rawlins, 42.5 miles southwest of, 3 miles north of Muddy Bridge, 26 feet south of Rawlins-Baggs road, 26 feet west of old foundation; iron post-----	6, 529. 00
Rawlins, 45.5 miles southwest of, 240 feet east of Muddy Bridge, 37 feet south of Baggs road; iron post stamped "6456, Adj., '03"-----	6, 457. 33
Rawlins, 50.8 miles southwest of, 5.3 miles southwest of Muddy Bridge, 20 feet west of Wamsatter-Baggs road, 80 feet north of bridge over Robber Gulch; iron post stamped "6425, Adj., '03"-----	6, 426. 05
Rawlins, 60.4 miles southwest of, 5 miles north of Baggs, 110 feet north of road fork to Dixon, 6 feet north of signboard "Baggs 5 miles"; iron post stamped "6305, Adj., '03"-----	6, 305. 99
Baggs, at southwest corner of post-office building; iron post stamped "6243, Adj., '03"-----	6, 244. 56

#### RAWLINS QUADRANGLE.

[Latitude 41° 30'-42°; longitude 107°-107° 30'.]

From Rawlins north along road west of river.

Rawlins, northwest corner of Fourth and Cedar streets, on stone sill of one-story building, 2 feet from southwest corner of sill and 3 inches above sidewalk; bottom of square hole, lettered "U. S. □ B. M." (C. & G. S. b. m. Q. 2)-----	6, 754. 534
Rawlins, 2.6 miles north of, 25 feet west of road, 850 feet north of forks of Lander and Ferris stage roads; iron post stamped "6869"-----	6, 870. 812
Rawlins, 5.8 miles north of, 25 feet west of road on north slope of hill; iron post stamped "6985"-----	6, 986. 785
Rawlins, 8.4 miles north of, 50 feet north of road, top of first sandstone ridge, in sandstone ledge, rock mound alongside; aluminum tablet stamped "7101"-----	7, 101. 997
Rawlins, 12 miles north of, in Browns Canyon, 60 feet south of road, in ledge, rock mound near; bronze tablet stamped "6721"-----	6, 722. 082
Rawlins, 15.25 miles north of, 0.5 mile west of Alkalie Lake, 25 feet west of road, base of small knoll; iron post stamped "6459"-----	6, 460. 485

From Rawlins southwest along highways 17.2 miles.

Rawlins, northeast window of roundhouse; depression cut in window-sill, marked U.S.□B.M. (C. & G. S. b.m.)-----	6, 748. 503
Rawlins, 1 mile west of, on top of first hill, north of road; cross on rock-----	6, 814. 307
Rawlins 3.3 miles west of, west side of road; cross on rock-----	6, 981. 17
Rawlins, 3.7 miles west of, west of road; iron pin in bush-----	7, 041. 36
Rawlins, 3.7 miles west of, 12 feet west of road; cross on flat rock----	7, 041. 40
Rawlins, 4.7 miles west of, 2 feet west of road; on small outcrop of rock-----	7, 183. 15
Rawlins, 5.1 miles southwest of, 100 feet south of bowlder on west side of road; on big bowlder 8 feet east of road-----	7, 206. 21
Rawlins, 5.7 miles west of, 40 feet west of road; cross on end of rock-----	7, 164. 60
Rawlins, 2.3 miles southwest of, road north at T road west, gully; cross on granite bowlder-----	6, 805. 349

	Feet.
Rawlins, 3 miles southwest of, west side of road to Baggs, 50 feet south of road to Nebraska coal mine, about 300 feet southwest of gap in old Union Pacific R. R. grade; iron post stamped "6835"-----	6, 836. 251
Rawlins, 4.2 miles southwest of, 1,000 feet south of big bend in road, on top of ridge, 10 feet west of road; cross on flat stone-----	6, 908. 60
Rawlins, 6.9 miles southwest of, west side of road; cross on bowlder-----	7, 058. 74
Rawlins, 7 miles southwest of, on ridge with basin to west and valley to left; iron post-----	7, 062. 270
Rawlins, 10.6 miles southwest of, west of Baggs road, 30 feet north by 30 feet east of east-west trail crossing; iron post-----	7, 074. 967
Rawlins, 11 miles southwest of, east of road; red cross on rock-----	7, 079. 55
Rawlins, 13.7 miles southwest of, 35 feet west of Baggs road, on top of ridge where road turns east to go down valley; iron post stamped "7185"-----	7, 186. 070
Rawlins, 17.2 miles southwest of, at Sixteen-mile ranch, 60 feet southwest of ranch house, 6 feet northeast of corner post, 3 feet south of fence, 35 feet east of Baggs road; iron post-----	7, 116. 026

## SAVERY CREEK QUADRANGLE.

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

From point 18 miles southwest of Rawlins southwest along highways to point 31.2 miles southwest of Rawlins.

Rawlins, 20.8 miles southwest of, at Twenty-mile ranch, 12 feet north of northeast corner of ranch house, 25 feet west of Baggs road; iron post-----	7, 172. 890
Rawlins, 23.7 miles southwest of, 140 feet north of point where trail goes west on top of rise, 30 feet west of Baggs road; iron post-----	7, 212. 748
Rawlins, 26.6 miles southwest of, 100 feet west of Baggs road, 50 feet east of bank of creek, in low bottom near southwest corner of fence; iron post-----	7, 017. 289
Rawlins, 28.6 miles southwest of, 300 feet north of Robinson's ranch house, in northwest end of bridge; bolt head-----	6, 954. 508
Rawlins, 29.7 miles southwest of, 1,200 feet south of summit south of Robinson's ranch, 25 feet east of Baggs road, north of green valley with many willow bushes, just north of gully opposite gate, in wire fence-----	7, 165. 581

Aladdin, Devils Tower, Moorcroft, Newcastle, and Sundance quadrangles.

## CROOK AND WESTON COUNTIES.

The elevations in the following list were originally based on a bronze tablet in the city hall at Deadwood, S. Dak., set in 1897 and stamped 4543, based on railroad datum. They have since been reduced to mean sea-level datum by applying a correction of plus 2.2 feet, derived from connections with the precise line of the Coast and Geodetic Survey along the railroad passing through Edgemont, S. Dak., and Newcastle, Wyo.

The leveling was done in the Aladdin quadrangle in 1900 by C. E. Worthington, in Devils Tower and Moorcroft quadrangles in 1902 by Chester Irvine, and in Newcastle and Sundance quadrangles in 1899 by J. T. Stewart.

## ALADDIN QUADRANGLE.

[Latitude 44° 30'-45° ; longitude 104°-104° 30'.]

West along road up Hay Creek through Aladdin to point near Eothen, thence south across Table Mountain to North Redwater, thence east to point 3.5 miles east of Beulah.

	Feet.
Robinson's ranch, at junction of old Miles City stage road with road from Aladdin (coal bank), in sandstone 6 by 8 inches and 17 inches above ground; aluminum tablet stamped "3398 Dw"-----	3,400.235
Barrett, 2.5 miles east of, 18 feet north of wagon road from the Forks to Barrett, north bank of Hay Creek, in sandstone 6 by 5 feet and 2.5 feet above ground; aluminum tablet stamped "3531 Dw"-----	3,533.419
Aladdin, 1 mile west of, south edge of road, in sandstone 7 by 5 feet and 1.5 feet above ground; aluminum tablet stamped "3737 Dw"---	3,739.639
Aladdin, 4.1 miles northwest of, 300 feet south of quarter corner east side of sec. 23, T. 54 N., R. 62 W., 300 feet south of white school-house at fork of road to Aladdin and Eothen, in sandstone 3 by 3 feet and 3 feet above ground; aluminum tablet stamped "4046 Dw"-----	4,048.616
Eothen, 3.5 miles south of, 0.5 mile south of quarter corner on north side of sec. 2, T. 53 N., R. 62 W., top of divide between head of Redwater Creek and Hay Creek; iron post stamped "4714 Dw"---	4,716.486
T. 53 N., R. 62 W., SE. $\frac{1}{4}$ sec. 15, 0.5 mile northeast of house on Rowser's ranch, near wire fence, east of road, on north fork of Redwater Creek; iron post stamped "4132 Dw"-----	4,134.546
Farrall, 2.2 miles east of, 8 miles west of Beulah, near corner of fence by wagon road; iron post stamped "3875 Dw"-----	3,877.703
Beulah, 4 miles northwest of, southeast corner of sec. 22, T. 53 N., R. 61 W., 2.5 miles southeast of Ripley's ranch, 50 feet south of road; iron post stamped "3672 Dw"-----	3,674.564
Beulah, 70 feet north of J. Belliveau's grocery store, 250 feet east of Sand Creek; iron post stamped "3508 Dw"-----	3,510.442
From The Forks north to VVV ranch, thence northwest to sec. 15, T. 57 N., R. 62 W., and west to sec. 12, T. 57 N., R. 63 W., thence south and west to TT ranch, Beaver Creek.	
Robinson's ranch, 3.5 miles north of, near quarter corner west side of sec. 6, T. 54 N., R. 60 W., top of divide between Hay Creek and Belle Fourche River, east side of wagon road; iron post stamped "3618 Dw"-----	3,620.404
T. 55 N., R. 60 W., NW. $\frac{1}{4}$ sec. 17, 400 feet north of white barn on VVV cattle ranch, west bank of Belle Fourche River, west side of road; iron post stamped "3144 Dw"-----	3,146.351
T. 55 N., R. 61 W., sec. 12, 0.5 mile southeast of Weaver's ranch, 0.25 mile west of Belle Fourche River; iron post stamped "3198 Dw"---	3,200.502
Riverdale, 1.5 miles south of, at forks of wagon road, 1 mile south of Belle Fourche River; iron post stamped "3373 Dw"-----	3,375.427
Old Riverdale, 200 feet southeast of house, near wire fence on west bank of Belle Fourche River, 300 feet northeast of wagon road; iron post stamped "3196 Dw"-----	3,198.525
Old Riverdale, 4.2 miles north of, south side of old Miles City road, top of ridge on east side of Belle Fourche River; iron post stamped "3524 Dw"-----	3,526.686

	Feet.
White's ranch, 6 miles south of, 50 feet southeast of old Miles City stage road, north bank of Belle Fourche River; iron post stamped "3412 Dw"-----	3, 414. 467
Old Riverdale, 8.1 miles northwest of, east side of Belle Fourche River, north side of wagon road on timbered ridge, at fork of road; iron post stamped "3393 Dw"-----	3, 395. 621
T. 57 N., R. 62 W., sec. 15, top of high ridge, 1.5 miles north of Belle Fourche River, south side of wagon road; iron post stamped "3627 Dw"-----	3, 629. 568
T. 57 N., R. 63 W., sec. 12, south side of wagon road, 0.8 mile northwest of Belle Fourche River; iron post stamped "3486 Dw"-----	3, 488. 759
T. 57 N., R. 63 W., sec. 26, east side of wagon road, north bank of small creek emptying into Belle Fourche River; iron post stamped "3522 Dw"-----	3, 524. 593
T. 56 N., R. 63 W., sec. 12, 3.6 miles north of Plumer's ranch, west side of wagon road, 0.5 mile east of Belle Fourche River; iron post stamped "3625 Dw"-----	3, 627. 613
T. 56 N., R. 62 W., sec. 31, east side of wagon road at corner of wire fence, top of low divide; iron post stamped "3833 Dw"-----	3, 835. 672
T. 56 N., R. 63 W., near center of sec. 25, 0.4 mile northwest of Plumer's ranch, east side of wagon road, near wire fence; iron post stamped "3684 Dw"-----	3, 686. 613
Driscoll's ranch, 2.5 miles northeast of, south side of wagon road, 0.2 mile south of Belle Fourche River, in sandstone 2 by 2 feet and 1 foot above ground; aluminum tablet stamped "3612 Dw"-----	3, 614. 449
Dood's ranch, 2 miles east of, 100 feet east of small drain, 30 feet north of Deer Creek road, in large bowlder; bronze tablet stamped "3729 Dw"-----	3, 731. 300

## From TT ranch south to Alva and east to Eothen.

Woodcock's ranch, 600 feet east of house, east side of wagon road, east side of Beaver Creek, in sandstone 2.5 by 2.5 feet and 1.5 feet above ground; aluminum tablet stamped "3827 Dw"-----	3, 829. 661
Alva, sec. 5, T. 54 N., R. 63 W., 900 feet southeast of church, 100 feet east of Lame Johnny Creek, 40 feet southeast of wagon road, in sandstone 10 by 10 inches and 18 inches above ground; aluminum tablet stamped "3992 Dw"-----	3, 994. 486
Alva, 4.6 miles southeast of, northeast corner of sec. 24, T. 54 N., R. 63 W., 0.25 mile southeast of schoolhouse, at junction of Beaver Creek road with road from Eothen, in a sandstone 12 by 12 inches and 1 inch above ground; aluminum tablet stamped "4253 Dw"-----	4, 255. 916
T. 54 N., R. 62 W., NE. $\frac{1}{4}$ sec. 20, 1.2 miles east of John Mahnken's ranch, at fork of road, top of divide between Hay Creek and Beaver Creek, in sandstone 12 by 12 inches and 14 inches above ground; aluminum tablet stamped "4697 Dw"-----	4, 699. 809

## From Alva south along road to sec. 17, T. 53 N., R. 63 W., thence east down North Redwater to forks of road 1.5 miles west of Farrall.

Taylor's ranch, 0.2 mile northwest of house, 100 feet north of fork of road, top of divide between Beaver Creek and Lame Johnny Creek, in rock 1 by 1 foot and 2 inches above ground; aluminum tablet stamped "5345 Dw"-----	5, 347. 450
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Feet.

Rowser's ranch, 4.6 miles west of, 250 feet northwest of house at  
Madison's ranch, north side of road; iron post stamped  
"4745 Dw"----- 4, 747. 451

From point near Eothen northwest to point near Plumer's ranch.

T. 55 N., R. 62 W., near northeast corner of sec. 34, 0.2 mile northwest  
of Kimble's ranch, 300 feet northeast of white schoolhouse, on Oak  
Creek, at fork of road; iron post stamped "3864 Dw"----- 3, 866.485  
T. 55 N., R. 62 W., sec. 17, 600 feet northeast of Jones's ranch house,  
west side of wagon road, at corner of wire fence; iron post stamped  
"3827 Dw"----- 3, 829. 427  
T. 55 N., R. 62 W., sec. 6, 0.5 mile north of Philips's ranch, west side  
of wagon road; iron post stamped "4203 Dw"----- 4, 205. 448

Along road up Belle Fourche River northeast to point near White's ranch,  
thence southeast and west to VVV ranch.

White's ranch, about 1 mile northeast of, top of ridge between Crow  
Creek and east branch of same; iron post stamped "3450 Dw"\_\_ 3, 452. 468  
T. 57 N., R. 61 W., sec. 5, 11 miles northwest of VVV cattle ranch,  
50 feet north of wire fence at top of ridge; iron post stamped  
"3419 Dw"----- 3, 421. 536  
VVV cattle ranch, 7.4 miles north of, top of divide between Indian  
Creek and Crow Creek, near State line; iron post stamped  
"3496 Dw"----- 3, 498. 391  
T. 56 N., R. 60 W., west part of sec. 16, 4 miles north of VVV  
cattle ranch, 50 feet north of old Miles City stage road; iron post  
stamped "3269 Dw"----- 3, 271. 428

#### DEVILS TOWER QUADRANGLE.

[Latitude 44° 30'-45°; longitude 104° 30'-105°.]

From Alva southwest along wagon road through Hulett and Carlisle to Yeast's  
lower ranch.

Alva, 5.5 miles west of, 0.43 mile east of road fork to north, 20 feet  
south of road on ridge; bronze tablet stamped "4150 Dw"----- 4, 152. 080  
Bush's ranch, 300 yards east of, east side of Belle Fourche River, at  
forks of wagon road; iron post stamped "3738 Dw"----- 3, 740. 230  
Hulett, 3.5 miles south of, west side of Belle Fourche River, 250 feet  
east of log house, 8 feet west of road; iron post stamped "3795  
Dw"----- 3, 797. 544  
Ripley ranch, 100 yards east of, 150 feet west of road, north side of  
gate; iron post stamped "3819 Dw"----- 3, 821. 405  
Devils Tower, 1 mile east of, south side of Lytle Creek, at Ryan's  
ranch gate, 300 yards east of house, west side of road; iron post  
stamped "3909 Dw"----- 3, 911. 085  
Devils Tower, 1.5 miles south of, east side of river, 230 feet north of  
log cabin, 5 feet west of road; iron post stamped "3870 Dw"----- 3, 871. 733  
Devils Tower, 5 miles south of, east side of river, at gate to ranch, 10  
feet east of road; iron post stamped "3887 Dw"----- 3, 889. 240  
McKenzie's ranch, 1 mile south of, west side of road, south side of  
big gate on summit of ridge; iron post stamped "3969 Dw"----- 3, 971. 399

	Feet.
Carlisle, 3.5 miles west of, north side of Cabin Creek, at forks of road; iron post stamped "4083 Dw"-----	4, 085. 049
Carlisle, 6.5 miles west of, summit of ridge, 5 feet north of road; iron post stamped "4293 Dw"-----	4, 295. 096
Yeast's upper ranch, 0.5 mile east of, on summit of divide, at forks of road; iron post stamped "4136 Dw"-----	4, 138. 762

From Yeast's lower ranch along wagon road and Little Missouri River to mouth of Prairie Creek, thence northeast to Alzada, Mont., thence south to point 10.8 miles north of Plumer's ranch, 0.7 mile north of Belle Fourche River.

Yeast's lower ranch, 2 miles north of, 20 feet south of road on ridge; bronze tablet stamped "4118 Dw"-----	4, 120. 014
Yeast's lower ranch, 5.37 miles north of, 1 mile south of Little Missouri River, 1 mile north of junction of old Montana trail and saw-mill road, 20 feet east of road in saddle; iron post stamped "4036 Dw"-----	4, 038. 652
Yeast's lower ranch, 9.36 miles north of, 300 yards west of Little Missouri River, at crossing of Carlisle-Alzada and Hulett-D ranch roads; bronze tablet stamped "3852 Dw"-----	3, 854. 419
Prairie Creek, 0.5 mile northeast of mouth of, east side of Little Missouri River, junction of roads at forks of Grey Ridge; iron post stamped "3826 Dw"-----	3, 827. 893
Prairie Creek, 3.5 miles north of, 2.5 miles south of Ripley's ranch, east side of Little Missouri River, 10 feet east of road, southeast fence corner; iron post stamped "3757 Dw"-----	3, 759. 685
Ripley's ranch, 1 mile north of, 500 feet west of old corral, junction of roads south of creek, east side of Little Missouri River; iron post stamped "3705 Dw"-----	3, 707. 672
Bush's ranch, 1 mile east of, south side of Elkhorn Creek, 10 feet east of crossing of wagon roads, 400 feet west of old corral; iron post stamped "3664 Dw"-----	3, 666. 333
Hulett's ranch, 1.25 miles east of, 10 feet east of road, north bank of creek; iron post stamped "3630 Dw"-----	3, 632. 144
Harris ranch, 0.5 mile south of, on north bank of creek, 10 feet west of road; iron post stamped "3607 Dw"-----	3, 609. 427
Harris ranch, 3 miles north of, 900 feet south of Government Canyon, west foot of Black Hill; iron post stamped "3557 Dw"-----	3, 558. 934
Holben's ranch, 0.5 mile north of house, east side of north gate, north side of river; iron post stamped "3498 Dw"-----	3, 499. 815

From Ryan's ranch southeast up Lytle Creek to Tutty ranch and return.

Hutchin ranch, 0.62 mile southwest of, north side of Lytle Creek, 200 feet north of crossing of roads; iron post stamped "4146 Dw"-----	4, 148. 251
Tutty ranch house, 0.5 mile east of, north side of Lytle Creek, large red sandstone in side of hill; bronze tablet stamped "4402 Dw"-----	4, 404. 217

From Ripley's ranch west via Barber's ranch to Little Missouri River.

Storm's ranch house, 300 yards northeast of, 40 feet north of forks of road, projection of sandstone ledge; bronze tablet stamped "4025 Dw"-----	4, 027. 540
Wilkie's ranch gate, 450 feet south of, at forks of road, in drain, sandstone 1 by 1 by 2 feet, 18 inches in ground; bronze tablet stamped "4334 Dw"-----	4, 335. 985

	Feet.
Barber's ranch, 0.5 mile east of, 80 feet west of gate, 120 feet east of road forks; bronze tablet stamped "4431 Dw"-----	4, 433. 221
Clark's sawmill, 1.5 miles west of, at forks of road in basin; bronze tablet stamped "Dw"-----	4, 160. 238
Little Missouri River, 1.5 miles east of, west slope of hill, at forks of road, in drain; bronze tablet stamped "3955 Dw"-----	3, 956. 918

From Barber's ranch north via Allender's ranch to Bush's ranch on Little Missouri River.

Allender's ranch, 900 feet northeast of, 400 feet south of forks of road, 3 feet west of road; bronze tablet stamped "4469 Dw"-----	4, 471. 134
Allender's ranch, 3 miles northeast of, on ridge, 10 feet west of road; bronze tablet stamped "4351 Dw"-----	4. 353. 220
Allender's ranch, 6.25 miles northeast of, 3 miles south of Bush's ranch, east of round knob on black earth ridge; bronze tablet stamped "4123 Dw"-----	4,125. 516

From Hulett's ranch southeast via Cross Anchor reservoir to Driscoll.

Hulett's ranch, 2.12 miles east of, on slope of hill, 10 feet south of road; bronze tablet stamped "3700 Dw"-----	3, 702. 510
Cross Anchor reservoir, 0.5 mile north of, at forks of wagon road; bronze tablet stamped "4074 Dw"-----	4, 076. 346
Baxter ranch, 0.75 mile east of, north side of Deer Creek, at forks of road; bronze tablet stamped "3869 Dw"-----	3, 870. 856

From Baxter's ranch southwest to Weaver's ranch, thence north to Cross Anchor reservoir.

Lewis ranch, 0.5 mile west of, 0.90 mile south of Bates ranch, summit of ridge, 10 feet west of road; bronze tablet stamped "4223 Dw"---	4, 225. 404
Reservoir, 4 miles south of, 2 miles southwest of Lewis ranch, 300 yards north of pasture gate, 10 feet east of forks of road; bronze tablet stamped "4210 Dw"-----	4, 212. 494
Reservoir, 1 mile south of, on ridge, 5 miles east of road; bronze tablet stamped "4128 Dw"-----	4, 130. 334

From Hulett's ranch west up North Fork of Little Missouri River 9 miles and return.

Darrow's ranch, 300 feet northeast of house, 260 feet south of main road, east side of gate; aluminum tablet stamped "3621 Dw"-----	3, 623. 608
Darrow's ranch, 3 miles west of, 40 feet west of small drain, 5 feet south of road; iron post stamped "3656 Dw"-----	3, 658. 044
Darrow's ranch, 6 miles southwest of, 450 feet east of bank of creek, 10 feet west of road; aluminum tablet stamped "Dw"-----	3, 685. 061

#### MOORCROFT QUADRANGLE.

[Latitude 44°-44° 30'; longitude 104° 30'-105°.]

At Carlisle.

Carlisle, 299 yards north of post office, east side of gate; iron post stamped "4017 Dw"-----	4, 019. 272
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## NEWCASTLE QUADRANGLE.

[Latitude 43° 30'–44°; longitude 104°–104° 30'.]

From Newcastle west 3 miles, thence southwest toward Alkali Butte, thence southeast to Crawford's ranch, thence east to mouth of Stockade Beaver Creek, thence north by road to railroad to Newcastle.

	Feet.
Newcastle, south corner of city park, in south meridian mark; bronze tablet stamped "4332 Dw"-----	4, 334. 296
Oil Spring, 0.5 mile southwest of, 450 feet southwest of junction of roads in Little Oil Creek, west side of road; iron post stamped "4156 Dw"-----	4, 158. 241
Lang's ranch, 200 feet northeast of, south side of road; iron post stamped "4006 Dw"-----	4, 008. 266
Lang's ranch, 2.4 miles west of, south side of road, top of small divide; iron post stamped "4014 Dw"-----	4, 016. 271
Lang's ranch, 4.2 miles southwest of, 60 feet west of junction of roads, 0.2 mile west of Beaver Creek bridge; iron post stamped "3895 Dw"-----	3, 897. 211
Deetkin's ranch, 0.8 mile west of, 25 feet east of junction of roads; iron post stamped "3994 Dw"-----	3, 996. 378
Deetkin's South Beaver Creek ranch, 0.4 mile north of, on small divide, 25 feet east of road; iron post stamped "4014 Dw"-----	4, 016. 182
Deetkin's South Beaver Creek ranch, 4 miles northwest of, 25 feet northeast of road, 300 feet north of South Beaver Creek; iron post stamped "4052 Dw"-----	4, 054. 182
Deetkin's South Beaver Creek ranch, 3 miles southwest of, top of ridge, 25 feet south of road; iron post stamped "4199 Dw"-----	4, 201. 245
Deetkin's South Beaver Creek ranch, 5.5 miles southwest of, 25 feet west of road on small ridge; iron post stamped "4352 Dw"-----	4, 354. 266
Alkali Butte, 1.3 miles southeast of, 25 feet west of junction of road from Alkali Creek with road up Sheep Creek; iron post stamped "4403 Dw"-----	4, 405. 202
Alkali Butte, 3 miles southeast of, 0.2 mile northeast of road crossing Alkali Creek, 360 feet east of creek, 25 feet east of road; iron post stamped "4056 Dw"-----	4, 058. 228
Alkali Butte, 6.4 miles southeast of, 25 feet east of road; iron post stamped "3972 Dw"-----	3, 974. 248
Crawfort's ranch, 0.2 mile northwest of, 75 feet northwest of junction of roads; iron post stamped "3870 Dw"-----	3, 872. 102
Crawfort's ranch, 2.5 miles northeast of, top of divide between Alkali Creek and Robbers Roost Creek, 15 feet south of road; iron post stamped "4039 Dw"-----	4, 041. 166
Crawfort's ranch, 6 miles northeast of, 1.1 miles southeast of point where Sheep Creek road comes down from bluff, southeast point of small ridge, 2,000 feet southeast of highest point of bluff; iron post stamped "3965 Dw"-----	3, 967. 043
Crawfort's ranch, 7.7 miles northeast of, 6.5 miles northwest of mouth of Stockade Beaver Creek, 20 feet south of Sheep Creek road; iron post stamped "3891 Dw"-----	3, 893. 117
Crawfort's ranch, 10.4 miles northeast of, 3.3 miles west of mouth of Stockade Beaver Creek, top of divide between Beaver and Sheep creeks, 5 feet south of road; iron post stamped "3927"-----	3, 929. 271
Stockade Beaver Creek, 1.5 miles west of mouth of, top of small ridge, 15 feet north of road; iron post stamped "3776 Dw"-----	3, 778. 158

	Feet.
Stockade Beaver Creek, 700 feet southeast of junction with main Beaver Creek, 700 feet southeast of irrigation company's house and dam, south side of road, at fence corner; iron post stamped "3708 Dw"-----	3, 709. 715
Stockade Beaver Creek, 2.1 miles north of mouth of, 700 feet east of gate in wire fence, 25 feet north of road in draw; iron post stamped "3789 Dw"-----	3, 790. 776
Irrigation company's house, 0.5 mile south of, 1,200 feet south of south end of dam at lake, 3.7 miles north of mouth of Stockade Beaver Creek, 25 feet east of road; iron post stamped "3843 Dw"-----	3, 845. 651
Baird's ranch, 0.5 mile east of, 13 feet west of southeast corner of NE. $\frac{1}{4}$ sec. 1, T. 42 N., R. 61 W., 20 feet west of road; iron post stamped "3914 Dw"-----	3, 916. 635
Clifton siding, 2.7 miles northwest of, 1,000 feet northwest of center of railroad bridge over Whoop-up Canyon, 60 feet east of railroad, 30 feet west of Edgemont-Newcastle wagon road; iron post stamped "3971 Dw"-----	3, 972. 728
Clifton siding, 5.8 miles northwest of, 30 feet northwest of railroad crossing, 270 feet south of railroad bridge, at junction of road from west with Edgemont-Newcastle road; iron post stamped "4043 Dw"-----	4, 044. 825
Clifton siding, 8.5 miles northwest of, 50 feet northwest of railroad crossing on Edgemont-Newcastle road; iron post stamped "4120 Dw"-----	4, 121. 891
Spencer siding, 45 feet southeast of road crossing; iron post stamped "4195 Dw"-----	4, 196. 780
Newcastle, 3 miles east of; iron post stamped "4344 Dw"-----	4, 346. 432

From mouth of Stockade Beaver Creek to point near S. & G. ranch.

S. & G. ranch, 2.9 miles west of, 50 feet northeast of bridge over main irrigation ditch, 40 feet north of irrigation ditch; iron post stamped "3683 Dw"-----	3, 685. 627
S. & G. ranch, 2.3 miles west of, south side of road; wire nail in root of 24-inch pine tree-----	3, 801. 45
S. & G. ranch, 1.2 miles west of, north side of road on top of ridge; wire nail in root of 15-inch pine-----	3, 830. 35

From Sheep Creek north to bridge over Beaver Creek.

South Beaver and Main Beaver creeks, 2.8 miles west by 0.4 mile north of junction of, center of small circular mound; iron post stamped "3831 Dw"-----	3, 833. 210
Oil Creek, 2.3 miles southeast of, 8 miles northwest of mouth of Stockade Beaver Creek, 60 feet west of wagon road; iron post stamped "3820 Dw"-----	3, 822. 163
Oil Creek, 0.4 mile east of mouth of, 30 feet west of junction of Main Beaver Creek road with Newcastle road; iron post stamped "3829 Dw"-----	3, 831. 050
Oil Creek, 3 miles northwest of mouth of, top of low flat ridge, 20 feet east of road; iron post stamped "3862 Dw"-----	3, 864. 160
Oil Creek, 6.3 miles northwest of mouth of, 0.5 mile northeast of mouth of Mush Creek, south side of low flat ridge, 20 feet east of road; iron post stamped "3889 Dw"-----	3, 891. 203

## From Oil Spring to Beaver Creek Bridge via Jones and Y T ranches and Osage.

	Feet.
Kilpatrick's ranch, 0.8 miles south of, 85 feet southwest of railroad crossing, 25 feet west of wagon road; iron post stamped "4171 Dw" -----	4, 173. 279
Jones's ranch, 1 mile north of, east side of Oil Canyon, on east side of road, foot of sandstone cliff, in sandstone 6 by 15 feet and 6 feet high at west end; bronze tablet stamped "4389 Dw" (on spur north) -----	4, 391. 257
Sundance and Osage roads, junction of, 2.3 miles southeast of Y T ranch, top of divide between Oil and Skull creeks, 25 feet south of road; iron post stamped "4282 Dw" (on spur north) -----	4, 284. 278
Y T ranch, 10 feet north of dwelling, 60 feet west of Skull Creek, south side of road; iron post stamped "4218 Dw" -----	4, 220. 201
Osage, 0.5 mile south of, 75 feet east of railroad crossing, 25 feet north of wagon road; iron post stamped "4312 Dw" -----	4, 314. 227
Turner Creek, 0.5 mile southeast of mouth of, 1 mile east of Beaver Creek; iron post stamped "4066 Dw" -----	4, 068. 129
Turner Creek, about 2.3 miles southeast of mouth of, 1 mile southeast of Beaver Creek Ford, 25 feet northeast of road; iron post stamped "4020 Dw" -----	4, 022. 148
Beaver Creek bridge 7.4 miles northwest of, 0.5 mile northeast of mouth of Fidler Creek, top of ridge, 20 feet east of road; iron post stamped "4002 Dw" -----	4, 004. 114
Beaver Creek bridge, 4.4 miles northwest of, 2.5 miles southeast of mouth of Fidler Creek, 20 feet east of road; iron post stamped "3973 Dw" -----	3, 975. 139

## From Newcastle north to Cambria (spur line).

Newcastle Water Co.'s reservoir, 0.4 mile northeast of, 4 feet north-east of railroad crossing; iron post stamped "4625 Dw" -----	4, 627. 267
Cambria, west end of, in canyon, 15 feet south of Kilpatrick's cottage, 125 feet west of Burlington Route, main track, 200 feet west of coal company's main office; iron post stamped "5100 Dw" -----	5, 102. 171

## From Thompson's ranch at Antelope Springs, S. Dak., west to Beaver Creek, Wyo., thence south to Sweet &amp; Davis's sawmill, thence west to bench mark 3 miles east of Newcastle.

Vail's ranch, 0.4 mile southwest of, north side of road at foot of hill, below Dakota-Wyoming State line; iron post stamped "5733 Dw" -----	5, 735. 363
Thompson's ranch, 1,000 feet northeast of, 50 feet east of intersection of roads to Newcastle, Antelope Springs, and up Beaver Creek, in limestone 3 by 2 feet and 6 inches high; bronze tablet stamped "4788 Dw" -----	4, 790. 779
Fawcett's ranch, 0.3 mile north of, east side of road, at foot of rough limestone bluff 75 feet high, in limestone boulder 4 by 4 feet and 1½ feet high; bronze tablet stamped "4637 Dw" -----	4, 639. 309
Sweet & Davis's sawmill, 1.3 miles west of, 175 feet east of divide between Beaver and Salt creeks, in sandstone 6 feet in diameter and 2½ feet high, on south side of road; bronze tablet stamped "4601 Dw" -----	4, 603. 376
L A K ranch, 75 feet east of, south side of road; iron post stamped "4308 Dw" -----	4, 310. 350

Feet.

I. A K ranch, 3.4 miles southeast of, 340 feet northwest of intersection of road up Redbird Canyon with Newcastle-Custer road, 75 feet west of road, in rock ledge; bronze tablet stamped "4487 Dw"-----	4, 489. 403
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## SUNDANCE QUADRANGLE.

[Latitude 44°-44° 30'; longitude 104°-104° 30'.]

From Cold Spring down Cold Spring Canyon to Lost Canyon, Hain's ranch, thence via Grand Canyon to Rattlesnake Canyon and over Cement Ridge to Pratt's (Bear Gulch post office), thence to Power's sawmill.

This circuit closed with an error of 1.4 feet, which was distributed and the circuit not rerun.

Whitman's ranch, 600 feet southeast of, 400 feet east of forks of road to McQuaig, 50 feet north of road, in flat limestone rock 3 by 6 feet; bronze tablet stamped "6110 Dw"-----	6, 112. 238
Sawyer's ranch, 150 feet north of, 20 feet above spring, in limestone ledge; bronze tablet stamped "5878 Dw"-----	5, 880. 329
Fleming's ranch, 2 miles southeast of, 25 feet west of road, in root of 15-inch pine tree; copper nail-----	5, 787. 37
Fleming's ranch, 700 feet west of, 25 feet west of road; iron post stamped "5670 Dw"-----	5, 672. 056
Fleming's ranch, 1.7 miles northeast of, on west side of road, in root of 15-inch pine tree; copper nail-----	5, 740. 10
Fleming's ranch, 2.7 miles northeast of, in rock 3 by 3 feet and 2 feet high; bronze tablet stamped "5867 Dw"-----	5, 868. 924
Hain's ranch, 0.3 mile southeast of, east side of road, near rocky point on northwest side of intersection of three ravines, in limestone rock 2 by 2 feet; bronze tablet stamped "6177 Dw"-----	6, 179. 737
Hain's ranch, 0.7 mile north of, on east side of road, in root of 20-inch pine tree; copper nail-----	6, 253. 81
Endicott's ranch, 0.7 mile north of, 125 feet east of road, in root of 20-inch pine tree; copper nail-----	6, 165. 21
Endicott's ranch, 1.8 miles north of; iron post stamped "6063 Dw"---	6, 064. 643
Endicott's ranch, 4.3 miles north of, on north side of road, in root of 30-inch pine tree; copper nail-----	5, 802. 33
Simpson's ranch, 30 feet northeast of, east side of Grand Canyon, in sandstone rock near foot of hill; bronze tablet stamped "5740 Dw"-----	5, 741. 569
Simpson's ranch, 1.1 miles northwest of, on west side of road, in root of 24-inch pine tree; copper nail-----	5, 641. 40
Wood's ranch, 215 feet south of, middle of canyon, in sandstone rock 2 by 4 feet and 18 inches high; bronze tablet stamped "5459 Dw"---	5, 460. 507
Wood's ranch, 1.7 miles northwest of, mouth of Rattlesnake Canyon, north side of canyon; iron post stamped "5340 Dw"-----	5, 341. 381
Wood's ranch, 5.3 miles northeast of, north of road, in limestone rock 8 by 6 feet and 18 inches high; bronze tablet stamped "5912 Dw"---	5, 913. 324
Wood's ranch, 7.1 miles northeast of, top of Cement Ridge, north of road, in root of 12-inch pine tree; copper nail-----	6, 536. 71
Wood's ranch, 7.5 miles northeast of, 2.1 feet southeast of closing corner of line common to Tps. 4 and 5 N., R. 1 E., on Wyoming-Dakota line, 0.25 mile south of road; iron post stamped "6304 Dw"-----	6, 305. 165

Feet.

Wood's ranch, 7.8 miles northeast of, 200 feet north of Lone Grave, on east side of road, in root of 12-inch pine tree; copper nail----- 6, 259. 57

Wood's ranch, 8.5 miles northeast of, 1.5 miles southeast of Welcome, 25 feet east of intersection of Welcome post office, Bear Gulch post office, and Cement Ridge roads, 25 feet west of State line; iron post stamped "6238 Dw"----- 6, 239. 124

**Bald Mountain, Cloud Peak, Dayton, Fort McKinney, No Wood, Rairden, and Sheridan quadrangles.**

**BIG HORN, JOHNSON, AND SHERIDAN COUNTIES.**

The following elevations were determined by primary leveling forming part of an adjusted net across the State between the precise level lines of the Coast and Geodetic Survey along the Chicago, Burlington & Quincy and the Union Pacific railroads in agreement with the 1912 adjustment of precise leveling. The adjustment required corrections of 1.9 feet orthometric and 1.7 additional. The field work was mostly dependent on an assumed railroad datum at Sheridan and the majority of the bench marks are stamped "Sher." Most of the marked elevations are 10 feet too low. The descriptions of these are taken from the appendixes to the Nineteenth and Twenty-first Annual Reports. Most of the bench marks set later were stamped 3 feet too high, in accordance with preliminary corrections.

The leveling was done in Sheridan quadrangle in 1897 by W. L. Kemp, A. L. Coleman, and H. W. Huntington; in 1897-98-99 by E. W. Glafcke; and in 1909 by C. F. Fisher, H. G. Parry, and F. H. West; in Dayton quadrangle in 1897 by A. L. Coleman and H. W. Huntington, in 1898 by C. E. Worthington, and in 1897 and 1899 by E. W. Glafcke; in Bald Mountain quadrangle in 1897 by H. W. Huntington, in 1898 by C. E. Worthington, and in 1899 by E. W. Glafcke; in Fort McKinney quadrangle in 1897 by H. W. Huntington and in 1897-98-99 by E. W. Glafcke; in Cloud Peak and No Wood quadrangles in 1897 by E. W. Glafcke; and in Rairden quadrangle in 1897 by E. W. Glafcke, in 1904 by H. M. Huntington, and in 1905 by F. A. Nussle.

**BALD MOUNTAIN QUADRANGLE.**

[Latitude 44° 30'-45°; longitude 107° 30'-108°.]

From point 6.5 miles northeast of McCullough's Road ranch west up Tongue River Road to Little Bald Mountain, thence northward to Willow Springs.

Feet.

T. 56 N., R. 88 W., north side of sec. 18, 100 feet south of Granger Ditch, on divide between Dry Fork of Little Horn River and Fools Creek, 15 feet south of road; iron post stamped "7469 Sher"----- 7, 479. 560

T. 55 N., R. 89 W., quarter corner between secs. 3 and 4, 1 mile west by 0.5 mile south of McCullough's road ranch, 400 feet south of road; iron post stamped "8124 Sher"----- 8, 134. 750

T. 55 N., R. 90 W., 100 feet southeast of northwest corner of sec. 23, 50 feet south of road; iron post stamped "8446 Sher"----- 8, 456. 782



	Feet.
T. 55 N., R. 90 W., NW. $\frac{1}{4}$ sec. 16, 4 miles east of Little Bald Mountain, 20 feet north of road, 300 feet east of Tongue River, 600 feet north of crossing of small stream; iron post stamped "8670 Sher"-----	8, 681. 270
Little Bald Mountain, at east foot of, sec. 12, T. 55 N., R. 91 W., south side of, at junction of Bald Mountain and Shell wagon road, 15 feet west of Bald Mountain road; iron post stamped "9171 Sher"-----	9, 182. 060
Little Bald Mountain, on top of, sec. 2, T. 55 N., R. 91 W., 0.25 mile northeast of signal station, 15 feet north of road; iron post stamped "9829 Sher"-----	9, 839. 604
Bald Mountain, on top of, T. 56 N., R. 91 W., sec. 32, 10 feet west of U. S. land monument; iron post stamped "10034 Sher"-----	10, 041. 462
Bald Mountain City, 2.5 miles west of, sec. 23, T. 56 N., R. 91 W., on divide between Porcupine Creek and Middle Fork of Little Horn River, 20 feet south of road junction; iron post stamped "9209 Sher" (on spur line)-----	9, 219. 951
Bald Mountain City, sec. 27, T. 56 N., R. 91 W., in rock; aluminum tablet stamped "8907 Sher"-----	8, 918. 057
Bald Mountain City, 400 feet east of, at angle of road; iron post stamped "8912 Sher"-----	8, 919. 691
Duncom Mountain, on top of, sec. 6, T. 56 N., R. 91 W., 3 miles north of Fortunatus Mill, in side of rock 150 feet east of road; aluminum tablet stamped "9810 Sher"-----	9, 821. 006
Duncom Mountain, 3 miles north of, on divide between Little Horn River and head of Trout Creek, 20 feet west of road; iron post stamped "9566 Sher"-----	9, 576. 720
Duncom Mountain, 5.5 miles north of, in saddle on divide between head of Lodgegrass Creek and head of Trout Creek, 1,000 feet west of Little Horn wagon road, in rock level with ground, 20 feet south of large mound of rock; aluminum tablet stamped "9327 Sher"-----	9, 337. 816
Duncom Mountain, 5.5 miles north of, in same rock as previous bench mark; copper bolt set by Tweedy-----	9, 337. 800
Lodgegrass Creek, 2 miles southwest of, at spring on hill, on high divide 25 feet south of road; iron post stamped "9021 Sher"-----	9, 032. 030
Red Spring, 1.8 miles northwest of, on high ridge, 30 feet south of road; aluminum tablet stamped "8600 Sher"-----	8, 610. 132
Willow Spring, 1 mile southwest of, 25 feet south of road, 4.8 miles from Ed. Town ranch; iron post stamped "7151 Sher"-----	7, 161. 129

From point 2 miles northeast of McCullough's Road ranch south to Willow Creek.

T. 55 N., R. 89 W., at quarter corner between secs. 35 and 36, 1.5 miles northeast of McCullough's road ranch; iron post stamped "7885 Sher"-----	7, 895. 119
T. 55 N., R. 89 W., at southeast corner of sec. 12, 200 feet west of road; iron post stamped "8183 Sher"-----	8, 193. 965
T. 55 N., R. 88 W., 1.2 miles north by 0.6 mile east of southwest corner of sec. 12, 25 feet east of road, 100 feet east of grove of timber; iron post stamped "8433 Sher"-----	8, 443. 977

From Little Bald Mountain south along road to point 5 miles southeast of Shell.

An excessive error was distributed in this line.

Little Bald Mountain, 3 miles south of, 25 feet west of road; aluminum tablet stamped "8957 Sher"-----	8, 968. 059
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	Feet.
Little Bald Mountain, 5.8 miles southwest of, 400 feet north of small stream, 20 feet east of road; aluminum tablet stamped "8939 Sher"-----	8, 950. 101
Little Bald Mountain, 9.2 miles south of, in T. 54 N., R. 91 W., 5 feet south of road; aluminum tablet stamped "7917 Sher"-----	7, 928. 330
T. 54 N., R. 91 W., sec. 3 (unsurveyed), 2.8 miles northeast of William Hunt's ranch, 10 feet south of road; aluminum tablet stamped "6877 Sher"-----	6, 888. 097
T. 55 N., R. 91 W., 290 feet west by 110 feet north of quarter corner south side of sec. 33, 300 feet south of William Hunt's house, 20 feet west of road; aluminum tablet stamped "5923 Sher"-----	5, 933. 360
T. 54 N., R. 91 W., sec. 16, 3 miles south of William Hunt's ranch, 20 feet west of road, in Red Canyon, 3.5 miles north of Peter Ender's ranch; iron post stamped "5100 Sher"-----	5, 110. 519
T. 54 N., R. 91 W., 12.7 feet west of southeast corner of sec. 32, at southwest corner of Peter Ender's ranch, 15 feet east of road; iron post stamped "4516 Sher"-----	4, 526. 375
T. 53 N., R. 91 W., NE. $\frac{1}{4}$ sec. 22, 2.25 miles north of Shell, 600 feet west of crossing of Horse Creek, north side of road, 300 feet southwest of schoolhouse; iron post stamped "4425 Sher"-----	4, 435. 740
Shell, 400 feet east by 200 feet south of post office, 20 feet south by 20 feet east of wagon road, 750 feet southwest of crossing of Shell Creek, SE. $\frac{1}{4}$ sec. 26, T. 53 N., R. 91 W.; iron post stamped "4182 Sher"-----	4, 192. 608
T. 52 N., R. 91 W., sec. 1, 3.8 miles southeast of Shell, 0.5 mile south of Hatton ranch, 500 feet west of Trapper Creek, 20 feet west of wagon road; iron post stamped "4443 Sher"-----	4, 453. 769
From point 3.5 miles southwest of Stack west to Taylor's ranch (Little Big Horn Canyon).	
West Pass Creek, 1 mile west of, on top of divide between West Pass and Gray Creeks, 0.8 mile south of Rose Dana's ranch house, 10 feet north of road, beside large mound of rocks, in limestone boulder; aluminum tablet stamped "5177 Sher"-----	5, 186. 672
Little Bighorn River, 3 miles southeast of, on top of divide at head of Red Gulch, at forks of road; iron post stamped "5191 Sher"---	5, 200. 578
Ed. Town's ranch house, 300 feet northwest of Red Gulch, 0.5 mile south of Montana-Wyoming State line, northeast side of road; iron post stamped "4453 Sher"-----	4, 462. 420
Taylor's ranch, 0.5 mile south of, in Little Bighorn Canyon, 0.5 mile south of Montana-Wyoming State line, southeast side of pack trail; iron post stamped "4442 Sher"-----	4, 451. 737

## CLOUD PEAK QUADRANGLE.

[Latitude 44°-44° 30'; longitude 107°-107° 30'.]

From point 2.5 miles southwest of Smith's ranch along East Tensleep Lake Road west and north to East Fork of East Tensleep Creek, thence east via Muddypass to Poison Creek Road.	
Doyle Creek, 1 mile west of crossing of, top of divide between Doyle Creek and Powder River, 30 feet southwest of road, in granite boulder; bronze tablet stamped "8812 Sher"-----	8, 822. 306
North Fork of Powder River, 350 feet east of public road crossing, 25 feet south of road, in granite boulder; bronze tablet stamped "8548 Sher"-----	8, 558. 138

	Feet.
Canyon Creek, 900 feet south of crossing, on brow of hill above creek, 20 feet southwest of road, in granite ledge, beside mound of rock; bronze tablet stamped "9069 Sher"-----	9, 078. 853
Canyon Creek, 1.5 miles north of crossing, 1,000 feet south of crossing of northwest branch of Canyon Creek, 30 feet east of road, in granite boulder, beside mound of rocks; bronze tablet stamped "9212 Sher"-----	9, 220. 766
East Tensleep Lakes, about 4 miles south of, 0.5 mile due south of East Fork of Tensleep Creek, top of divide bounding Tensleep Creek basin, 20 feet west of road, in granite boulder, beside mound of rocks; bronze tablet stamped "9568 Sher"-----	9, 577. 705
Canyon Creek and Lee Creek divide, 2.5 miles northwest of saddle where road crosses summit of range, in large granite boulder, beside mound of rocks; bronze tablet stamped "9851 Sher"-----	9, 860. 790
Muddy Pass road, 0.5 mile east of intersection with trail to East Tensleep Lake, in saddle on summit of range, 300 feet north of road, in granite boulder; bronze tablet stamped "9666 Sher"-----	9, 675. 871
Muddy Pass, 1 mile east of, in heavy timber, 6 feet west of road, in granite boulder with mound of rocks around it; bronze tablet stamped "8872 Sher"-----	8, 881. 670
<b>From stage road 1 mile south of crossing of North Fork of Powder River to Point 2.5 miles southwest of Smith's Ranch.</b>	
Smith's ranch, 7.5 miles southwest of, on divide between Canyon Creek and Powder River, 0.5 mile west of Powder River, 15 feet northwest of road, in quartzite ledge; bronze tablet stamped "8337 Sher"-----	8, 347. 266
Smith's ranch, 3.5 miles southwest of, 2 miles due south of "Three Sisters" Peak, 3 miles east of North Fork of Powder River, 15 feet north of stage road, in granite boulder; copper bolt stamped "8381 Sher"-----	8, 391. 072
<b>From stage road south of crossing of North Fork of Powder River northwest along Ridge Road 7 miles to junction of road east to Smith's ranch.</b>	
Powder River-Tensleep Lake road, 3 miles north of point where it intersects Buffalo-Hyattsville road, on divide ridge between North Fork of Powder River and first gulch south of Onion Gulch, tributary to Canyon Creek, 125 feet west of road, in granite boulder; bronze tablet stamped "8429 Sher"-----	8, 439. 217
Onion Gulch-Powder River divide, 15 feet west of road, in granite boulder; copper bolt stamped "8604 Sher"-----	8, 614. 256
<b>Near Trapper Corner.</b>	
Trapper Corner, 50 feet southeast of, 30 feet east of road, in limestone rock with large mound of rocks around it; copper bolt stamped "8594 Sher"-----	8, 604. 616
<b>From Wickware ranch northeast along road to Paintrock Lakes (double run line).</b>	
County road and Moccasin ranch road, 0.5 mile north of junction of, 0.2 mile due west of large bunch of small pine trees about where road leaves cedar timber going north, behind small bushes at foot of limestone ledge on east side of road; aluminum tablet stamped "6418 Sher"-----	6, 428. 300

Feet.

Paintrock Lakes road and Rhinehart's sawmill road, in fork at junction of, on top of mountain, in large granite boulder; aluminum tablet stamped "8304 Sher"-----	8, 314. 612
Sawmill, 1.5 miles northeast of, 30 feet north of road, on edge of small timber, trees trimmed all around point, in large granite boulder; bronze tablet stamped "8670 Sher"-----	8, 680. 405
Paintrock Lakes, 2.5 miles south of, near top of divide between Medicine-lodge and Paintrock creeks, 0.8 mile southwest of point where road enters strip of timber, 20 feet east of road, in limestone ledge beside mound of rock; aluminum tablet stamped "9309 Sher"-----	9, 319. 323
Paintrock Lakes, 1.5 miles southwest of, on divide between Medicine-lodge and Paintrock creeks, 300 feet east of where road turns from north to east, 10 feet north of road, in edge of timber, trees trimmed and blazed all around, in granite boulder; aluminum tablet stamped "9223 Sher"-----	9, 233. 362
From point near forks of Brokenback Creek southeast along stage road to point 6 miles southeast of Tensleep.	
T. 48 N., R. 89 W., 150 feet northwest of center of sec. 15, in front yard of ranch of Mr. William, on Brokenback Creek, 100 feet east of Buffalo-Hyattsville stage road; iron post stamped "4522 Sher"-----	4, 532. 340
Tensleep Creek, 3 miles northwest of, on divide between Tensleep and Brokenback creeks, 30 feet west of road; iron post stamped "5026 Sher"-----	5, 036. 359
Tensleep, 25 feet north of stage road, 300 yards south of Tensleep Creek, 100 feet directly south of ranch building owned by Mr. Sutherland; iron post stamped "4513 Sher"-----	4, 523. 404
Tensleep, 2.6 miles southeast of, top of divide between Tensleep and Canyon creeks, 20 feet southwest of road; iron post stamped "5097 Sher"-----	5, 107. 602
Tensleep, 5.8 miles southeast of, in saddle overlooking valley of Canyon Creek, 0.5 mile to north, 0.5 mile south of Hunsinger ranch house, 500 feet north of fence corner, 15 feet east of stage road; iron post stamped "5025 Sher"-----	5, 035. 281

## DAYTON QUADRANGLE.

[Latitude 44° 30'–45°; longitude 107°–107° 30'.]

From Sheridan northwest along highway to Dayton, thence west over Freezeout Mountain.

T. 56 N., R. 84 W., sec. 20, 2.8 miles northwest of Sheridan, 20 feet east of road, in saddle on divide between Goose and Soldier creeks; iron post stamped "4087 Sher"-----	4, 096. 622
T. 56 N., R. 85 W., sec. 23, 5.5 miles northwest of Sheridan, 0.5 mile east of Keer's ranch, 100 feet west of road, at corner of wire fence; iron post stamped "3980 Sher"-----	3, 989. 483
T. 56 N., R. 85 W., sec. 21, 8.4 miles northwest of Sheridan, 30 feet east of road at corner of fence, 0.2 mile west of Emmon's ranch; iron post stamped "4162 Sher"-----	4, 171. 448
T. 56 N., R. 85 W., sec. 19, 10.9 miles northwest of Sheridan, on divide between Soldier and Wolf creeks, 15 feet west of road; iron post stamped "4423 Sher"-----	4, 432. 531
Wolf, 30 feet west of road, in front of schoolhouse, 300 feet south of Garrard and Snyder's ranch; iron post stamped "4109 Sher"-----	4, 118. 457

	Feet.
T. 56 N., R. 86 W., sec. 16, 2.6 miles northwest of Wolf, on divide between Wolf Creek and Tongue River, 20 feet west of road; iron post stamped "4460 Sher"-----	4, 469. 481
Dayton, 75 feet south of road, at corner post of wire fence, 150 feet south of Baker's store; iron post stamped "3916 Sher"-----	3, 926. 146
T. 57 N., R. 87 W., sec. 24, 3 miles northwest of Dayton, 0.8 mile west of Mr. Mack's house, north side of road, at southwest corner of Mr. Mack's pasture fence; iron post stamped "4374 Sher"-----	4, 383. 292
T. 57 N., R. 87 W., sec. 20, 6.7 miles west of Dayton, 0.2 mile west of Van Ness's road ranch, 0.2 mile east of junction of Dayton and Parkman road, 10 feet north of road; iron post stamped "5115 Sher"-----	5, 124. 254
T. 57 N., R. 87 W., sec. 29, 8.8 miles west of Dayton, 0.5 mile southwest of divide between Columbia and Smith creeks, 30 feet south of road, in sandstone rock; tablet stamped "5739 Sher"-----	5, 749. 213
T. 57 N., R. 88 W., sec. 36 (unsurveyed), 15 feet south of road, 0.2 mile east of triangulation station on Freezeout Mountain, in Rock 10 by 10 by 3 feet; bronze tablet stamped "7818 Sher"-----	7, 828. 484

**From Willow Creek south over Big Horn Mountain to Willitt Creek.**

T. 54 N., R. 88 W., sec. 17, 14.5 miles south of McCullough's road ranch, on divide between South Fork of Tongue River and head of Willow Creek, 1 mile north of crossing of South Fork of Tongue River, 40 feet east of wagon road; iron post stamped "8915 Sher"-----	8, 926. 003
T. 54 N., R. 88 W., sec. 29, 15 miles south of McCullough's road ranch, 1.5 miles south of crossing of South Fork of Tongue River, on high ridge, 40 feet east of road; aluminum tablet stamped "9050 Sher"-----	9, 061. 000
T. 54 N., R. 88 W., sec. 33, 17.5 miles south of McCullough's road ranch, on divide between two small streams and 2 miles northeast of Hyattsville road, 20 feet west of road; iron post stamped "9320 Sher"-----	9, 330. 986

**From Dayton along road northwest through Parkman to Pass, thence west to point about 3.5 miles southwest of Stack post office.**

T. 57 N., R. 86 W., sec. 18, 0.5 mile northwest of Columbus Creek, 15 feet east of road, at northwest corner of pasture fence; iron post stamped "4157 Sher"-----	4, 166. 260
T. 57 N., R. 86 W., sec. 7, 200 yards east of Ohlman, northwest corner of W. Wagner's pasture, at forks of road, 100 yards west of Ohlman's schoolhouse, 200 yards south of Chicago, Burlington & Quincy R. R. tracks; iron post stamped "4138 Sher"-----	4, 147. 505
Parkman, southwest corner of post office on Main Street; iron post stamped "4292 Sher"-----	4, 301. 510
Pass, 100 yards north of old post office and road ranch, sec. 22, T. 58 N., R. 87 W., at southeast corner of Bale's ranch, 250 yards west of Chicago, Burlington & Quincy R. R. tracks; iron post stamped "4116 Sher"-----	4, 125. 556
Stack, 1 mile northeast of, 100 yards north of East Pass Creek, inside northwest corner of fence around Powers's ranch residence; iron post stamped "4510 Sher"-----	4, 519. 948

Feet.

Stack, 2 miles west of, 250 feet southwest of schoolhouse 19, at forks of roads and foot of divide between East and West Pass creeks, at northwest corner of fence; iron post stamped "4789 Sher"----- 4,798.891

Near Pass east on coal mine road. (Spur line.)

T. 58 N., R. 86 W., sec. 17, 1.25 miles east of Bakers' ranch, on divide between Owl and Sixmile creeks, 0.2 mile south of Montana-Wyoming boundary, 50 feet north of road; iron post stamped "4496 Sher"----- 4,505.263

From Dayton east down Tongue River to point near Higby.

T. 57 N., R. 86 W., 3 miles west of Ranchester, at forks of road to Bingham and Dayton, 0.5 mile north of Tongue River; iron post stamped "3839 Sher"----- 3,847.924

Bingham, old post office, 150 yards northwest of, sec. 36, T. 57 N., R. 86 W., 25 feet west of road, 300 feet west of ford at Wolf Creek; iron post stamped "3887 Sher." (This bench mark is on a spur line 3 miles.)----- 3,896.026

T. 57 N., R. 86 W., sec. 4, 4.4 miles northwest of Ranchester, northwest reference mark of Ranchester base, 1,300 feet west of western extremity of the first tangent west of Ranchester, two poles west of mile post 770, 27 feet north of center of Burlington Route track, 3 feet below grade; iron post not stamped----- 4,014.398

Ranchester, 0.6 mile west of station, Ranchester southeast base, 330 feet east of a highway crossing, 20 feet south of center of Burlington Route track, in top of post of soft red sandstone 6 by 6 inches set in ground with 3 inches exposed; chiseled square, marked "U.S.B.M.,C.&G.S. 1908"----- 3,791.236

Ranchester, 0.6 mile west of station, 19 feet south of Ranchester southeast base, 40 feet south of center of Burlington Route track, north of snow fence; iron post not stamped----- 3,791.157

Ranchester, northwest corner of Main and Payton streets, 114 feet south of schoolhouse, near southeast corner of McShane & Co.'s store building; iron post stamped "3751 Sher." (The position of this post when connected with by Coast and Geodetic Survey was 8 feet further north at same elevation)----- 3,759.914

T. 57 N., R. 85 W., sec. 15, 3 miles east of Ranchester, northeast corner of Burlington Route right of way fence, 35 feet north of railroad, near cattle guard; iron post stamped "3698 Sher"----- 3,707.502

T. 57 N., R. 84 W., sec. 18, 100 feet west of Slater Creek, at junction of crossroads, 400 feet due south of Bob Hay's ranch building, 50 feet north of crossing of Burlington Route tracks; iron post stamped "3660 Sher"----- 3,669.189

Higby, 1 mile northwest of, sec. 28, T. 57 N., R. 84 W., on divide between Goose and Day creeks, 25 feet north of road; iron post stamped "3893 Sher"----- 3,902.374

From mouth of Slater Creek north to Hiddenwater Creek.

T. 53 N., R. 85 W., sec. 35, 1 mile north of Hiddenwater Creek Springs, on hill 400 feet east of road, near top of divide between Hiddenwater and Ash creeks, in ledge of rock (6-foot mound of rock 8 feet south); bronze tablet stamped "4307 Sher"----- 4,315.404

From Sheridan along highway southwest to Beckton, thence northwest to point near Wolf.

	Feet.
T. 56 N., R. 84 W., sec. 31, 3.2 miles northwest of Sheridan, 20 feet north of road up Big Goose Creek, on south slope of bench above Big Goose Creek; iron post stamped "3870 Sher"-----	3, 879. 319
T. 55 N., R. 85 W., sec. 2, 6.3 miles northwest of Sheridan, 50 feet west of and between forks of Owl Creek and Big Goose Creek roads, at fence corner, 200 feet due east of ranch house; iron post stamped "3926 Sher"-----	3, 935. 418
T. 55 N., R. 85 W., sec. 9, 1.5 miles east of Beckton, 30 feet north of road at confluence of Rapid Creek and Big Goose Creek, on point of hill; iron post stamped "4015 Sher"-----	4, 024. 854
Beckton, 300 yards northwest of post office, at northwest corner of fence, near junction of Big Goose Creek and Dayton road; iron post stamped "4085 Sher"-----	4, 094. 554
T. 56 N., R. 86 W., sec. 36, 2.7 miles northwest of Beckton, 200 feet south of Soldier Creek, 50 feet west of road, 0.2 mile above P.K. ranch; iron post stamped "4478 Sher"-----	4, 487. 715
T. 56 N., R. 86 W., sec. 27, 5.5 miles northwest of Beckton, 25 feet east of road, in lane; iron post stamped "4278 Sher"-----	4, 287. 613

From Bighorn along highway west to Bighorn Mountains, thence south toward Trapper Corner.

T. 54 N., R. 85 W., sec. 27, 7.6 miles southwest of Bighorn, 1,000 feet northeast of Big Springs, 20 feet west of road, 300 feet east of creek, at foot of grade, in large limestone boulder 4 feet high; copper bolt stamped "5749 Sher"-----	5, 759. 404
T. 54 N., R. 85 W., sec. 29, 5.5 miles east of Morrow stage station, 50 feet south of road, in limestone rock 30 by 50 by 40 feet; copper bolt stamped "7423 Sher"-----	7, 433. 782
T. 54 N., R. 86 W., 1.7 miles east of Morrow stage station, 150 feet southeast of wagon bridge on Rapid Creek, in top of large granite rock 12 feet high, near northwest face; copper bolt stamped "7443 Sher"-----	7, 454. 008
T. 54 N., R. 86 W., 2 miles west of Morrow stage station, 50 feet east of timber in first large open park west of Big Goose Creek, in granite boulder 2.5 feet high, 5 feet long, 4 feet wide; copper bolt stamped "7847 Sher"-----	7, 858. 237
Dome Lake, sec. 11, T. 53 N., R. 87 W., 54 feet north of northeast corner of club house, in 4 by 6 foot granite boulder; bronze tablet stamped "8821 Sher". (On spur line.)-----	8, 831. 701
T. 54 N., R. 87 W., 5 miles west of Morrow stage station, 300 feet above and west of bridge across branch of Goose Creek, 5 feet southwest of road, in large morainal boulder; copper bolt stamped "7998 Sher"-----	8, 008. 962
T. 54 N., R. 87 W., 10 miles west of Morrow stage station, on top of divide between Big Goose Creek and Tongue River, 300 feet north of road, in 4 by 6 foot granite boulder, 1 foot high; copper bolt stamped "9346 Sher"-----	9, 357. 758
T. 53 N., R. 88 W., summit of Bighorn Mountains, 10 feet southwest of road, in granite boulder 6 by 6 feet, 2 feet above ground; copper bolt stamped "9601 Sher"-----	9, 612. 428

Feet.

T. 53 N., R. 88 W., sec. 10, 3 miles southwest of summit of Bighorn Mountains, 40 feet north of forks of Willett Creek, 100 feet east of road, in 12 by 4 foot granite boulder of irregular shape; copper bolt stamped "9213 Sher"-----	9, 224. 905
T. 53 N., R. 88 W., sec. 33, 1.5 miles south of road crossing Shell Creek, 30 feet due west of road, at north end of first flat or park above, in granite boulder; copper bolt stamped "8855 Sher"-----	8, 865. 222

## FORT M'KINNEY QUADRANGLE.

[Latitude 44°-44° 30'; longitude 106° 30'-107°.]

From Kearney (Foster ranch) south along road to Buffalo.

Kearney (Foster ranch house), 3.6 miles south of, sec. 12, T. 52 N., R. 83 W., 200 feet north of Middle Fork of Shell Creek, 50 feet west of road, at gate post in front of house; iron post stamped "4644 Sher"-----	4, 653. 723
T. 52 N., R. 82 W., sec. 19, 1 mile northwest of John Barkey's ranch, 1.5 miles west of Lake De Smet, 30 feet east of road at board gate; iron post stamped "4777 Sher"-----	4, 786. 729
T. 52 N., R. 82 W., sec. 32, 7 miles north of Buffalo, on summit between Lake De Smet and Rock Creek, 200 feet east of road, on knoll; iron post stamped "4940 Sher"-----	4, 949. 718
T. 51 N., R. 82 W., sec. 9, 4.8 miles north of Buffalo, 0.2 mile from Charles Round's ranch, at northeast corner of wire fence, in south angle of forks of road up Rock Creek; iron post stamped "4688 Sher"-----	4, 697. 811
T. 51 N., R. 82 W., sec. 22, 2 miles north of Buffalo, on divide between Buffalo and Rock creeks, 25 feet west of road; iron post stamped "4797 Sher"-----	4, 806. 861

From Buffalo south and west along road to point 3 miles southwest of Smith's ranch house.

Buffalo, sec. 35, T. 51 N., R. 82 W., in yard of courthouse of Johnson County, 40 feet east of courthouse; iron post stamped "4635 Sher"-----	4, 645. 003
T. 50 N., R. 82 W., sec. 11, 2 miles south of Buffalo, on divide between Clear Creek and Nigger Creek, 30 feet north of irrigation ditch of Wyoming Land & Cattle Co.; iron post stamped "4836 Sher"-----	4, 846. 187
T. 50 N., R. 82 W., sec. 26, 300 feet due west of "Cross H" ranch house, inside of fence, 100 feet east of road; iron post stamped "4893 Sher"-----	4, 903. 135
T. 49 N., R. 82 W., sec. 10, divide between Crazy Woman and Clear Creek drainage, 50 feet west of road in saddle divide; iron post stamped "5298 Sher"-----	5, 307. 727
T. 49 N., R. 82 W., sec. 33, 500 feet west of Burnett's ranch house, 100 feet northeast of Crazy Woman, on Crazy Woman Creek, in granite boulder beside fence post where road enters lane; copper bolt stamped "5019 Sher"-----	5, 028. 540
T. 49 N., R. 82 W., sec. 31, 100 yards south of George Washbaugh's ranch house, 200 feet south of Muddy Creek, in morainal boulder, 30 feet north of road; copper bolt stamped "5142 Sher"-----	5, 152. 201



	Feet.
T. 48 N., R. 83 W., sec. 3, 3.5 miles southwest of Washbaugh's ranch, 17.5 miles southwest of Buffalo, foot of grade 300 feet east of mouth of canyon where road enters and ascends to top of mountain, Muddy Creek 1.5 miles north, in limestone boulder; copper bolt stamped "5975 Sher"-----	5, 985. 066
T. 48 N., R. 83 W., sec. 6, 6 miles northeast of Smith's ranch, 0.5 mile south of Muddy Creek, in saddle of divide between Muddy Creek and Billy Creek, on edge of mountains going down grade to valley, in limestone rock 15 feet south of stage road; bronze tablet stamped "7866 Sher"-----	7, 876. 358
T. 48 N., R. 84 W., sec. 15, 3.2 miles northeast of Smith's ranch, on divide between Muddy Creek and North Fork of Crazy Woman Creek, 150 feet south of road in patch of timber, in granite boulder; copper bolt stamped "8125 Sher"-----	8, 135. 278
Hazleton (Smith's ranch), 0.25 mile west of, sec. 28, T. 48 N., R. 84 W., in granite boulder 150 feet south of road on side of hill; copper bolt stamped "8111 Sher"-----	8, 121. 648
T. 47 N., R. 84 W., sec. 6, 1.5 miles southwest of Smith's ranch house, on divide between South Fork and Middle Fork of Crazy Woman Creek, in granite ledge 25 feet north of road; copper bolt stamped "8180 Sher"-----	8, 190. 699
From Burnett ranch south to Hesse ranch, thence east to point near Trabing, thence northwest to point of beginning.	
T. 48 N., R. 82 W., sec. 3, 0.5 mile west of dwelling house, east side of lane on Buffalo and Casper stage roads; iron post stamped "4963 Sher"-----	4, 972. 258
T. 48° N., R. 82 W., sec. 21, 1 mile south of Billy Creek, on divide between Billy and Poison Creeks, at forks of road, on edge of hill descending to basin of Poison Creek; iron post stamped "4943 Sher"-----	4, 952. 697
Hesse ranch, 2 miles northwest of, sec. 4, T. 47 N., R. 82 W., 60 feet east of road, top of divide between Poison and Middle Fork of Crazy Woman Creeks; iron post stamped "4952 Sher"-----	4, 961. 894
Hesse ranch, 50 feet west of, sec. 15, T. 47 N., R. 82 W., 150 feet north of Middle Fork of Crazy Woman Creek; iron post stamped "4776 Sher"-----	4, 785. 686
T. 47 N., R. 81 W., sec. 7, 3 miles west of Long's ranch, on divide between Middle Fork and South Fork of Crazy Woman Creek, 20 feet south of road, 200 yards north of ditch; iron post stamped "4669 Sher"-----	4, 678. 087
Long's ranch, in NW. $\frac{1}{4}$ sec. 10, T. 47 N., R. 81 W., northwest corner of yard around dwelling house, 150 feet north of Crazy Woman Creek; iron post stamped "4511 Sher"-----	4, 520.541
Trabing post office, 0.2 mile west of, sec. 26, T. 48 N., R. 81 W., 30 feet north of forks of road; iron post stamped "4476 Sher"-----	4, 485. 722
T. 48 N., R. 81 W., sec. 15, 3.2 miles northwest of Trabing, on divide between Buffalo and Douglas stage road; bronze tablet stamped "4605 Sher"-----	4, 614. 509
T. 49 N., R. 81 W., sec. 33, 7.5 miles northwest of Trabing, on divide between Buffalo Wallows and Crazy Woman Creek, 25 feet west of road, in large sandstone boulder; aluminum tablet stamped "4825 Sher"-----	4, 834. 624

## From stage road west up Poison Creek.

Feet.

T. 48 N., R. 84 W., sec. 17, 150 feet north of Poison Creek, 1.5 miles west of Hyattville-Buffalo stage road, in open park, 50 feet north of Muddy Pass road, in granite ledge beside mound of rocks; bronze tablet stamped "8209 Sher"----- 8, 219. 172

## From Hazelton southeast to Bull Camp, thence west to Powder River.

T. 47 N., R. 84 W., sec. 3, Mattox ranch, in field 15 feet east of road, in granite boulder; bronze tablet stamped "7885 Sher"----- 7, 896. 004  
 Bull Camp, sec. 23, T. 47 N., R. 84 W., 150 yards north of Bull Creek (fork of Crazy Woman Creek), in Bull Camp mining district, in granite ledge, beside mound of rocks; bronze tablet stamped "7696 Sher"----- 7, 706. 695  
 T. 47 N., R. 84 W., sec. 28, 3 miles southwest of Bull Camp, on road to Powder River, on divide between Powder River and Crazy Woman Creek, 25 feet north of road, in granite boulder; bronze tablet stamped "7979 Sher"----- 7, 990. 051  
 T. 47 N., R. 84 W., sec. 30, 6 miles west of Bull Camp, on road from Bull Camp to Powder River, 20 feet north of point where road first passes near timber, 0.2 mile west of Two Creek, in limestone ledge beside mound of rocks; bronze tablet stamped "8041 Sher"----- 8, 051. 793

## From crossroads 6 miles northeast of Hazelton along highway north to Clear Creek, thence east to Buffalo.

North Fork of Crazy Woman Creek, 200 feet north of, large granite boulder on hill, 200 feet west of road, between forks of creek; aluminum tablet stamped "7714 Sher"----- 7, 724. 477  
 North Fork of Crazy Woman Creek, 2.2 miles north of, on west side of park at edge of timber, 6 feet west of road, in large granite boulder; aluminum tablet stamped "8253 Sher"----- 8, 263. 330  
 Sister Hill road and corduroy road to sawmill on Sour Dough Creek, 100 feet south of junction of, 0.1 mile south of cabin at fork of Sister Hill road and Fort McKinney road, 30 feet east of road on east side of park, in granite boulder beside mound of rock; aluminum tablet stamped "8076 Sher"----- 8, 086. 498  
 Sour Dough Creek, 0.2 mile north of road crossing, 60 feet east of road, on side of hill draining to creek, in granite boulder; aluminum tablet stamped "7831 Sher"----- 7, 841. 169  
 Middle Fork of Clear Creek, 700 feet north of road crossing and 50 feet west of road, in large boulder, beside mound of rocks; aluminum tablet stamped "7378 Sher"----- 7, 388. 263  
 North Fork of Clear Creek, 0.5 mile northeast of crossing of, in Fort McKinney wood reservation, 60 feet north of road, in granite ledge, beside mound of rock; aluminum tablet stamped "7042 Sher"----- 7, 052. 170  
 Needles, 600 feet west of, in Fort McKinney wood reservation, 6 feet north of road, near top of grade of old military road to Fort McKinney, in limestone ledge with mound of rocks alongside; aluminum tablet stamped "6476 Sher"----- 6, 486. 515  
 Fort McKinney, 2.5 miles west of, in Fort McKinney wood reservation, 10 feet north of road, 500 feet north of Clear Creek, in granite boulder, beside mound of rocks; aluminum tablet stamped "5322 Sher"----- 5, 332. 508

From point near Big Red southwest along Clear Creek road to Buffalo. (Part of line.)

	Feet.
T. 52 N., R. 81 W., sec. 14, 1.2 miles southwest of Watt's ranch, 10 feet east of road, in large boulder at base of telegraph pole; bronze tablet stamped "4237 Sher"-----	4, 245. 878
T. 52 N., R. 81 W., sec. 26, 300 feet west of schoolhouse No. 5, 0.2 mile west of Murray's ranch, 20 feet southeast of road, rock at base of fence corner post; bronze tablet stamped "4279 Sher"-----	4, 287. 368
T. 51 N., R. 81 W., sec. 9, at south gatepost at entrance to Conrad's ranch, 10 feet north of gate, 100 feet east of Buffalo stage road; iron post stamped "4395 Sher"-----	4, 403. 479
T. 51 N., R. 81 W., sec. 19, 6 miles north of Buffalo, old ranch at forks of road, at corner of fence, 50 feet east of stage road, 300 feet west of Clear Creek; iron post stamped "4448 Sher"-----	4, 456. 751
T. 51 N., R. 82 W., sec. 24, 300 feet northeast of Rock Creek, 30 feet south of stage road, on small hill; iron post stamped "4545 Sher"-----	4, 553. 678

#### NO WOOD QUADRANGLE.

[Latitude 43° 30'-44°; longitude 107°-107° 30'.]

From point 6 miles southeast of Tensleep along stage road to point 8.5 miles southwest of Smith's ranch.

Tensleep, 10 miles southeast of, in first basin near where road follows south side of south fork of Canyon Creek, 10 feet south of road; iron post stamped "5749 Sher"-----	5, 759. 342
Tensleep, 13.6 miles southeast of, in top of first bench at forks of Buffalo and Red Bank roads, in granite boulder; bronze tablet stamped "7290 Sher"-----	7, 300. 579
Monument Springs, in limestone rock 15 feet south of stage road; bronze tablet stamped "7883 Sher"-----	7, 893. 243

From stage road south via Uncle Billy Flat to divide between Mail Cabin Creek and Beartrap Creek.

Uncle Billy Flat, on southeast end of, 300 feet east of road, on divide between Billy Creek and tributary of Powder River, in limestone boulder; copper bolt stamped "8049 Sher"-----	8, 059. 539
Beartrap Creek and Mail Cabin Creek, on top of divide, 0.5 mile south of Mail Cabin Creek, 1 mile north of Beartrap Creek, 5 feet west of road, in limestone boulder beside mound of rocks; copper bolt stamped "7876 Sher"-----	7, 886. 800

#### RAIRDEN QUADRANGLE.

[Latitude 44°-44° 30'; longitude 107° 30'-108°.]

From mouth of Nowood River east along road through Bonanza to Hyattville.

Mouth of Nowood River, 0.5 mile east of, 0.2 mile east of Sykes Bros. ranch, 0.2 mile east of Bonnie Rodgers coal mine, 75 feet west of road, on brow of hill, at telephone pole; iron post stamped "3929 RL"-----	3, 937. 648
Jordan's mill, 200 feet north of, 70 feet west of Jordan's house, 5 feet from gate inside of yard fence; iron post stamped "4000 RL"-----	4, 008. 249
Jordan's mill, 2.5 miles southeast of, 200 feet north of southwest corner of sec. 36, T. 50 N., R. 92 W., on sandstone knoll; aluminum tablet stamped "4025 RL"-----	4, 033. 505

	Feet.
Severson's ranch, 0.5 mile southeast of, 200 feet west of bridge on draw, 20 feet south of road; iron post stamped "4029 RL"-----	4,037.100
Bonanza, 1.5 miles northwest of, 300 feet northeast of angle in telephone line, 50 feet south of road; iron post stamped "4153 RL"---	4,161.376
Bonanza, "Pop Conant's" old store building, northwest corner of foundation, in rock; aluminum tablet stamped "4111 RL"-----	4,119.423
Bonanza, 3 miles northeast of, 10 feet north of forks of road, road by telephone pole; iron post stamped "4265 RL"-----	4,272.866
Hyattville, 3.5 miles west of, 1.5 miles southwest of Mercer's ranch, on point of ridge, in sandstone ledge; aluminum tablet stamped "4361 RL"-----	4,369.410
Hyattville, 2.5 miles northwest of, 200 feet north of Mercer's ranch, 300 feet south of road, 2 feet south of yard fence, in limestone rock; aluminum tablet stamped "4395 RL"-----	4,406.583
Hyattville, northeast corner of Medicine Lodge and Main Street; iron post stamped "4447 Sher"-----	4,457.370

**From point 2.5 miles east of Basin east along upper road to Hyattville.**

Basin, 5.5 miles southeast of, 40 feet north of road, on point of hill, before top of bench, opposite triangulation station; iron post stamped "4041 RDLG"-----	4,049.946
Basin, 8.2 miles southeast of, 30 feet south of road at forks to Jordan's mill, 200 feet east of divide; iron post stamped "4191 RDLG"-----	4,199.004
Basin, 11.6 miles southeast of, 35 feet north of forks of road; iron post stamped "4106 RDLG"-----	4,113.965
Basin, 15 miles southeast of, 35 feet north of road, 150 feet west of gulch, 200 feet west of hill, opposite ranch house; iron post stamped "4007 RDLG"-----	4,015.844
Basin, 17.5 miles southeast of, 500 feet west of top of hill, 40 feet north of road, in sandstone ledge; aluminum tablet stamped "4120 RDLG" (marked by rock mound)-----	4,128.633
Bonanza-Hyattville road, 3 miles northwest of, 25 feet south of road, 1.5 miles southeast of creek; iron post stamped "4306 RDLG"-----	4,314.010

**From Bonanza southwest along road to Welling, thence north to mouth of Nowood River.**

Bonanza, 6 miles southwest of, 560 feet west of west bank of Sand Creek, 10 feet south of road, in large rock; aluminum tablet stamped "4146 RDLG"-----	4,154.333
Bonanza, 8.3 miles southwest of, 30 feet south of road on east summit of upper bench, 0.8 mile east of point where road descends to Bighorn Valley; iron post stamped "4513 RDLG"-----	4,521.291
Bonanza, 12.2 miles southwest of, 2 miles west of foot of bench, 30 feet south of road, 3,500 feet east of forks of road; iron post stamped "3996 RDLG"-----	4,003.744
Welling Ferry, 5.4 miles south of, 0.8 mile east of Bighorn River, 35 feet west of road; iron post stamped "3968 RDLG"-----	3,976.561
Welling Ferry, 2 miles south of, 250 feet east of southeast corner of A. W. Webb's fence, 25 feet west of road; iron post stamped "3939 RDLG"-----	3,947.297
Welling, 50 feet west of post office, at fence corner, 35 feet east of main road, 30 feet south of Bonanza road; iron post stamped "3918 RDLG"-----	3,926.181

	Feet.
Welling, 2 miles north of, 800 feet northwest of George Colbert's house, 5 feet east of road, at fence corner; iron post stamped "3931 RL"-----	3, 939. 818
Welling, 4.3 miles north of, 500 feet east of telephone line, 30 feet south of road, 1,500 feet west of Bighorn River, 2,500 feet south of old Alamo post office, in sandstone ledge; aluminum tablet stamped "3915 RDLG"-----	3, 923. 874
Welling, 7.4 miles north of, 1,000 feet southwest of Bonnie Rogers's house, 100 feet west of road, 40 feet west of ditch, in sandstone rock; aluminum tablet stamped "3872 RL"-----	3, 881. 051

From Welling south along stage road to point near Worland.

Welling, 1.3 miles southwest of, south bluff of Gooseberry Creek, 1,200 feet south of creek, 25 feet west of road; iron post stamped "4014 RDLG"-----	4, 022. 871
Welling, 6.3 miles southwest of, 3 feet east of telephone pole 1217, 20 feet west of road, 150 feet north of point where road crosses telephone line; iron post stamped "4053 RDLG"-----	4, 061. 949
Telephone pole 1104, opposite, 25 feet east of road, on south bluff of creek, 600 feet south of bed of creek; iron post stamped "4050 RDLG"-----	4, 058. 582
Worland, 2.5 miles north of, 300 feet north of small gulch, 20 feet west of road on point of ridge; iron post stamped "4114 RL"-----	4, 122. 231
Worland, northeast corner of A. C. Ruff's lot, 3 feet from fence corner, outside corner fence post, Main Street and alley, 10 feet west of Main Street; iron post stamped "4052 RDLG"-----	4, 060. 830

From Trapper Corner south to Hyattville.

Trapper Corner, 2.2 miles southwest of, at forks of road leading to spring, 300 feet north of corral, 250 yards southeast of spring; iron post stamped "7594 Sher"-----	7, 603. 991
Trapper Corner, 4 miles southwest of, on top of "Rim Rock," surrounded by mound of rock; iron post stamped "6546 Sher"-----	6, 556. 222
Hyattville, 7.5 miles north of, 4 miles north of Medicine Lodge, at forks of road to Alkali via Medicine Lodge Creek; iron post stamped "5590 Sher"-----	5, 600. 593
Hyattville, 5.5 miles north of, in yard 200 feet northwest of Wickwire ranch building, 400 feet north of Medicine Lodge Creek, on east slope of hill near pole fence; iron post stamped "4800 Sher"-----	4, 810. 355
Hyattville, 2.2 miles north of, 140 feet due south of Allen ranch house, 20 feet north of road; iron post stamped "4607 Sher"-----	4, 617. 735
Hyattville, northeast corner of Medicine Lodge and Main Street; iron post stamped "4447 Sher"-----	4, 457. 370

From Hyattville southeasterly to Tensleep.

Hyattville, 3.2 miles southeast of, at west point of gypsum ridge, 50 feet east of stage road; iron post stamped "4667 Sher"-----	4, 677. 441
Hyattville, 6.8 miles southeast of, 50 feet southwest of stage road, 100 feet northwest of Buffalo or Alkali Creek, 150 feet south of J. J. Smith's farm fence; iron post stamped "4492 Sher"-----	4, 502. 367

Feet.

Hyattville, 7 miles southeast of, 40 feet southeast of road, 3 miles southeast of Buffalo Creek, in Bad Lands; iron post stamped "4406 Sher" ----- 4, 416. 431

From point 3.8 miles southeast of Shell southeast to point 6 miles south of Trapper sawmill.

Shell, 8 miles southeast of, on low divide between Trapper Creek and Red Canyon, 3.5 miles northwest of Red Canyon Spring, 60 feet north of road; iron post stamped "5816" ----- 5, 826. 977  
 Shell, 12 miles southeast of, 20 feet north of road, 150 feet north of Red Spring; iron post stamped "6604" ----- 6, 615. 114

## SHERIDAN QUADRANGLE.

[Latitude 44° 30'–45°; longitude 106° 30'–107°.]

From point near Higsbee southeast to Sheridan.

T. 56 N., R. 34 W., sec. 10, 5 feet to left of road, alongside Chicago, Burlington & Quincy R. R. right of way fence, halfway between Sheridan and Higsbee; iron post stamped "3682 Sher" ----- 3, 691. 685

From Sheridan south along Bighorn and Banner road to point near Foster ranch.

Sheridan, in front of city hall; bronze tablet stamped "3738 Sher" -- 3, 747. 286

Sheridan, 1,000 feet south of railroad station, in meridian stone; bronze tablet stamped "3725 Sher" (reported by Coast and Geodetic Survey that part of this bench mark above ground has been destroyed).

Sheridan, northeast corner of Crook and Fourth streets, 375 feet southeast of Burlington Route passenger station, in top of 20 by 24 inch capstone on top of 16 by 20 inch brick astronomical pier projecting 30 inches above ground; bronze tablet ----- 3, 733. 907

T. 55 N., R. 84 W., sec. 10, east side of road; iron post stamped "3848 Sher" ----- 3, 857. 806

Colorado Colony ranch, at south corner of entrance to lane; iron post stamped "3968 Sher" ----- 3, 977. 638

Bighorn, in foundation cap of college building; bronze tablet stamped "4108 Sher" ----- 4, 117. 732

T. 54 N., R. 84 W., sec. 1, McCormick Creek at road junction, south of Bighorn road, 50 feet west of Sheridan-Buffalo road, 700 feet north of ranch house; iron post stamped "4086 Sher" (the old location of this post was 100 feet south and 0.159 foot higher) ----- 4, 095. 696

T. 54 N., R. 83 W., sec. 20, 0.5 mile north of Payne ranch, in field near corner post at junction with upper road to Bighorn; iron post stamped "4388 Sher" ----- 4, 397. 754

T. 53 N., R. 83 W., sec. 4, 0.6 mile south of Banner, 0.25 mile south of Joe Harper's ranch, at junction of Upper Piney Tunnel road with Sheridan-Buffalo road; iron post stamped "4605 Sher" ----- 4, 614. 667

Banner, 1.8 miles south of, at gatepost of James Kirkpatrick's ranch, under wire fence, 200 feet east of barn, 200 feet southeast of house; iron post stamped "4503 Sher" ----- 4, 512. 789

T. 53 N., R. 83 W., sec. 15, Massacre Hill, divide between Piney and Prairie Dog creeks; iron post stamped "4960 Sher" ----- 4, 969. 638

T. 53 N., R. 83 W., sec. 26, Foster's ranch on Piney Creek, 25 feet east of house and near wire fence; iron post stamped "4662 Sher" ---- 4, 671. 627

From Kearney post office east along highway to vicinity of Big Red post office.

	Feet.
T. 53 N., R. 82 W., sec. 31, 750 feet southwest of Sturgis ranch, 500 feet west of lane entering ranch, on side of hill, 0.2 mile south of Piney Creek, 5 feet south of road, in large bowlder; bronze tablet stamped "4521 Sher"-----	4, 530. 478
T. 53 N., R. 82 W., sec. 28, 0.2 mile due south of Flying E ranch, 25 feet south of road, in large bowlder; bronze tablet stamped "4423 Sher"-----	4, 432. 612
T. 53 N., R. 82 W., sec. 11, 750 feet northeast of M. A. Hamilton's ranch, 100 feet north of Piney Creek, at junction of Murphy Gulch and Piney Creek roads, in bowlder; bronze tablet stamped "4308 Sher"-----	4, 318. 026
T. 53 N., R. 81 W., sec. 8, southwest of Sam Dickey ranch, corner of stone tool house; bronze tablet stamped "4212 Sher"-----	4, 221. 359
T. 53 N., R. 80 W., sec. 18, 0.5 mile southwest of Big Red, on point of divide between Piney and Clear creeks, at junction of Buffalo and Piney roads; bronze tablet stamped "4142 Sher"-----	4, 151. 002
Copps ranch, southwest corner of, 60 feet southwest of Hopkins stage station, 20 feet south of gate, in rock in ground; bronze tablet stamped "4160 Sher"-----	4, 168. 839

From Sheridan along post road east and north 9.6 miles.

T. 56 N., R. 84 W., sec. 25, 1.4 miles east of Sheridan, southeast corner of T road south, in 12-inch circular stone at foot of corner post in fence line; chiseled cross marked "3928.4"-----	3, 925. 60
T. 56 N., R. 53 W., sec. 30, 2.2 miles east of Sheridan, in head of bolt passing horizontally through brace and western pile south of road for overhead bridge on Burlington Route, about 1 foot above ground; chiseled cross marked "3807.4"-----	3, 804. 56
T. 56 N., R. 83 W., sec. 30, 2.9 miles east of Sheridan, where road turns north, on south side of road just inside fence line, 0.5 mile east of Prairie Dog Creek, 0.6 mile east of Burlington Route overhead bridge, projecting about 20 inches above ground; iron post stamped "3837"-----	3, 833. 773
T. 56 N., R. 83 W., sec. 20, 4 miles east and north of Sheridan, about 300 feet north of T roads, in north face of fence post on west side of road, 2 feet above ground; wire staple marked "3824.3"-----	3, 821. 50
T. 56 N., R. 83 W., sec. 8, 5.5 miles north and east of Sheridan, on east side of road, directly opposite entrance of private lane to J. R. Wirgand's ranch, 0.3 mile north of schoolhouse, 0.2 mile south of Prairie Dog Creek; iron post projecting about 20 inches above ground, stamped "3713"-----	3, 710. 263
T. 57 N., R. 83 W., sec. 27, 9.6 miles north and east of Sheridan, just inside fence line east of road, 800 feet south of private road to LU ranch; iron post stamped "3616"-----	3, 612. 712

From Payne's schoolhouse north and east along Banner-Sheridan road and Meade and Dutch Creek valleys to Arno.

This line was run twice between HS ranch and Arno.

T. 54 N., R. 83 W., sec. 20, 0.5 mile north of Payne ranch, near fence, in southwest corner of school lot; iron post stamped "4388"-----	4, 397. 754
T. 54 N., R. 83 W., sec. 18, 0.8 mile north of Payne's schoolhouse, in front of Baker's ranch, 20 feet west of road, 40 feet south of Meade Creek crossing; top of large stone-----	4, 338. 15

Feet.

T. 54 N., R. 83 W., sec. 8, 200 feet southwest of house on Brock's ranch, on Meade Creek, 0.7 mile north of road to Prairie Dog Creek; probably iron post stamped "4213"-----	4, 210. 340
T. 55 N., R. 83 W., sec. 33, at southwest corner of junction of Meade Creek and Prairie Dog Creek roads, northwest corner of Meade schoolhouse, 2 feet south of north face, 1 foot above ground; aluminum tablet stamped "4064"-----	4, 061. 772
T. 54 N., R. 83 W., sec. 2, 1 mile east of HS ranch, 20 feet north of bend in road toward Dutch Creek, near brown cinder stone; iron post stamped "4216"-----	4, 213. 426
T. 55 N., R. 82 W., sec. 29, 40 feet northwest of J. S. Nick's ranch house, on secondary road in Dutch Creek valley, near gate; iron post stamped "3969"-----	3, 967. 213
T. 55 N., R. 82 W., sec. 16, 1.5 miles north of Daws ranch, 10 feet east of road, 100 feet north of group of cottonwood trees, in gully 12 feet deep; probably iron post stamped "3899"-----	3, 897. 320
T. 56 N., R. 82 W., sec. 32, northeast corner of yard of Bethorm schoolhouse, 0.7 mile south of railroad, in Dutch Valley; probably iron post stamped "3799"-----	3, 797. 867
Arno, 215 feet east of milepost 733, opposite section house, 44.8 meters north of center of Burlington Route tracks, 1 meter south of right of way fence, 1 meter above grade (C. & G. S. b. m. G 4)-----	3, 775. 429

From Arno along highway in circuit to east 13 miles, thence northwest to brownstone schoolhouse on Lower Badger Creek, thence southwest to point 9.6 miles northeast of Sheridan.

T. 56 N., R. 82 W., sec. 34, 700 feet north of Green's ranch house, at forks of Dutch Creek and SR Creek wagon roads; iron post stamped "3860"-----	3, 856. 998
T. 56 N., R. 81 W., sec. 19, 40 feet southwest of L. A. Weir's ranch house, 3.5 miles above mouth of SR Creek, on edge of creek bank, 12 feet above road; iron post stamped "4005"-----	4, 001. 423
T. 56 N., R. 81 W., sec. 28, at SR Springs, on SR Creek, 150 feet southwest of house on opposite bank of creek, 25 feet above water; iron post stamped "4197"-----	4, 193. 862
T. 56 N., R. 81 W., sec. 22, about 2.2 miles north of SR Springs, on north slope of divide between SR and Badger creeks, on south side of small ridge, in badly broken country; iron post stamped "4337." (Not located, very difficult to find)-----	4, 333. 977
T. 56 N., R. 81 W., sec. 2, on north side of South Fork of Badger Creek, 2 miles above junction with North Fork, in Wolfjen's upper pasture, in top of large brown boulder; aluminum tablet stamped "3971"-----	3, 967. 616
T. 57 N., R. 81 W., sec. 23, at mouth of North Fork of Badger Creek, 1 mile northwest of Wolfjen's ranch, 30 feet north of road, on west bank of coulee; iron post stamped "3814"-----	3, 810. 458
T. 57 N., R. 81 W., sec. 9, 3 miles west of Wolfjen's ranch house, on Badger Creek, at windmill on south side of road; iron post stamped "3759"-----	3, 756. 046
T. 57 N.; R. 82 W., sec. 1, Burns ranch on Badger Creek road, northwest corner of dooryard, 10 feet northwest of house; iron post stamped "3684"-----	3, 681. 669



	Feet.
T. 58 N., R. 82 W., sec. 34, in northeast corner of Leo Muller's house; aluminum tablet stamped "3631"-----	3, 627. 820
T. 58 N., R. 82 W., sec. 19, 0.5 mile south of Badger Creek, on Sheridan road, in northeast corner of stone schoolhouse; aluminum tablet stamped "3570"-----	3, 566. 744
T. 58 N., R. 83 W., sec. 23, 0.2 mile south of Tongue River, 15 feet south of road, 3 feet north of fence, 30 feet east of bridge over Prairie Dog Creek; iron post stamped "3467"-----	3, 463. 546
T. 57 N., R. 83 W., sec. 3, opposite Nash & Walling's ranch house, the first south of mouth of Prairie Dog Creek, on north side of road, near gate to ranch; iron post stamped "3521"-----	3, 517. 472
T. 57 N., R. 83 W., sec. 15, 11.6 miles northeast of Sheridan, 0.9 mile north of schoolhouse, just inside of fence, east of road, in front of A ranch, 5 miles south of Tongue River on Prairie Dog Creek; iron post stamped "3573"-----	3, 570. 447

Cheney, Cody, Embar, Franc Peak, Frannie, Fremont Peak, Grand Teton, Gros Ventre, Kinnear, Kerwin, Lenore, Lovell, Mount Leidy, Otto, Riverton, Sunshine, Thermopolis, Victor, and Younts Peak 30' quadrangles, and Meeteetse and Oregon Basin 15' quadrangles.

#### BIG HORN, FREMONT, AND LINCOLN COUNTIES.

The elevations in the following list were determined by primary leveling forming part of an adjusted net across the State in agreement with the 1912 adjustment of precise leveling. Orthometric corrections have been applied.

The leveling was done as follows: In Cody quadrangle in 1896 by E. W. Glafcke and in 1909 by Orr Meredith; in Franc Peak quadrangle in 1904 by H. M. Huntington and in 1909 by Meredith; in Frannie quadrangle in 1896 by Glafcke, in 1905 by F. A. Nussle, and by Reclamation Service; in Kirwin, Otto, and Thermopolis quadrangles in 1904 by Huntington and in 1905 by Nussle; in Embar quadrangle in 1904 by Huntington; in Sunshine quadrangle in 1904 by Huntington, in 1910 by C. W. Rowell, and in 1911 by C. C. Gardner; in Kinnear, Lenore, Lovell, and Riverton quadrangles in 1905 by Nussle; in Fremont Peak and Gros Ventre quadrangles in 1905 by Nussle and in 1906 by Huntington; in Cheney quadrangle in 1899 by Goynes Drummond; in Grand Teton and Mount Leidy quadrangles in 1897 by C. W. Beach and in 1899 by Drummond; in Younts Peak quadrangle in 1897 by Beach, in 1904 by Huntington, and in 1905 by Nussle; and in Victor quadrangle in 1899 by Drummond.

#### CHENEY QUADRANGLE.

[Latitude 43°-43° 30'; longitude 110° 30'-111°.]

From Emery's ranch west along trail to Wyoming-Idaho State line.

	Feet.
Clubhouse, 50 feet southeast of; iron post stamped "6241 B. & M."----	6, 243. 682
Wilson's store, 2 feet west by 3 feet south of northwest corner; bronze tablet stamped "6143 B. & M."-----	6, 145. 723

	Feet.
Snake River, at Wilson's store; surface of water-----	6, 153
Lockwood's ranch, 20 feet west of ranch house; bronze tablet stamped "6381 B. & M."-----	6, 383. 410
Teton Pass, 30 feet north of road; iron post stamped "8429 B. & M."-----	8, 431. 266
Curtis ranch, 2 feet west of ranch house; bronze tablet stamped "7242 B. & M."-----	7, 244. 621

## CODY QUADRANGLE.

[Latitude 44° 30'–45°; longitude 109°–109° 30'.]

From point near Cody to point 2 miles east of.

Cody, 200 feet south of flagpole, in volcanic rock at foot of second bench; copper bolt stamped "5010"-----	5, 018. 440
Cody, 2 miles east of, 0.8 mile north of Johnson's house, at southwest corner of fence at forks of Burlington and Meeteetse road; iron post stamped "5071 RL"-----	5, 078. 933

From point near Eagle north along road to Chance.

Eagles Nest, 8.5 miles north of, 50 feet east of county road; iron post stamped "4786"-----	4, 794. 098
Bell's ranch, 15 miles south of, on divide between Clark's Fork and Shoshone River, 150 feet west of road, near edge of rim; iron post stamped "4805"-----	4, 812. 859
Bell's ranch, 13 miles south of, 25 feet east of road, south bank of Sand Coulee Creek; iron post stamped "4340"-----	4, 347. 920
Bell's ranch, 10 miles south of, 200 feet east of county road; iron post stamped "4283"-----	4, 291. 056
Bell's ranch, 7.5 miles south of, 300 feet east of road, in brown sand- stone rock; bronze tablet stamped "4183"-----	4, 190. 715
Bell's ranch, 4 miles south of, 40 feet east of road; iron post stamped "4094"-----	4, 101. 620
Bell's ranch, 3 miles east of, 1 mile east of Sand Coulee; iron post stamped "4137"-----	4, 144. 995
Bell's ranch, 5 miles east of, in sandstone ledge; copper bolt stamped "4334"-----	4, 342. 119

From point near Chance southwest up north side of Clark Fork to Clark, thence  
along south side of Clark Fork and Sunlight Creek to Elk Creek (single spur  
line).

Chance, 5.2 miles southwest of, 250 feet north of road, near head of boulder-lined gully, 1,250 feet east of headgate; paint mark on granite boulder, marked "4082"-----	4, 080. 56
Chance, 6.8 miles southwest of, 1,000 feet southwest of house, 700 feet northeast of Line Creek crossing, 50 feet southeast of road, in gran- ite boulder; aluminum tablet stamped "4177"-----	4, 175. 692
Chance, 8 miles southwest of, 70 feet west of road, 100 feet south of road west, on tip of granite boulder; painted square marked "4181"-----	4, 179. 50
Chance, 10.2 miles southwest of, 15 feet northwest of road, 50 feet east of fourth pole from junction of telephone lines, on striped granite boulder; point marked "4303"-----	4, 301. 199
Clark, 1 mile north of, 50 feet north of road, on top of bank, 300 feet northwest of Linguist's store and ranch, in granite boulder; aluminum tablet stamped "4309"-----	4, 307. 766

	Feet.
Clark, 750 feet northeast of, near corner of fence, 10 feet east of road; paint mark on granite bowlder, marked "4287"-----	4, 285. 64
Clark, 1.5 miles southwest of, 25 feet north of road to Wagoner's ranch, 150 feet west of empty house, in 3-foot granite bowlder; aluminum tablet stamped "4288"-----	4, 286. 579
Clark, 2.5 miles southwest of, 10 feet south of road to Wagoner's ranch, 40 feet north of 7-foot painted bowlder; paint mark on granite bowlder, marked "4292"-----	4, 290. 43
Clark, 3.5 miles southwest of, 75 feet east of Wagoner's road, 500 feet northeast of road forks; paint mark on granite bowlder, marked "4333"-----	4, 331. 34
Clark, 4 miles southwest of, 0.8 mile northwest of M. Wagoner's house, 100 feet south of creek, in large sandstone bowlder on rock point; aluminum tablet stamped "4278"-----	4, 276. 292
Clark, 5 miles southwest of, 200 feet north of river crossing, 0.5 mile west of M. Wagoner's house, 10 feet west of road, on dark bowlder; painted square marked "4284"-----	4, 282. 37
Clark, 5.8 miles southwest of, 1.3 miles west of Wagoner's house, 240 feet west of point where road reaches foot of bluff from bench above; paint mark on granite bowlder, marked "4298"-----	4, 296. 27
Clark, 6.7 miles southwest of, 0.5 mile north of river, 50 feet south of road, 2.3 miles west of M. Wagoner's house; paint mark on small dark bowlder, marked "4328"-----	4, 326. 31
Clark, 7.8 miles southwest of, 2.9 miles east of canyon mouth, 35 feet south of road, 300 feet south of bluff, on first bench above river; paint mark on granite bowlder, marked "4353"-----	4, 351. 22
Clark, 8.6 miles southwest of, 1.3 miles southeast of canyon mouth, 150 feet south of small pond, 60 feet south of trail from M. Wagoner's, in flat limestone; aluminum tablet stamped "4374"-----	4, 372. 200
Clark, 9.9 miles southwest of, at canyon mouth, 75 feet north of river, 45 feet north of rail, 50 feet west of hollow; paint mark on limestone, marked "4385"-----	4, 383. 84
Clark, 11 miles southwest of, 1.1 miles west of canyon mouth, 40 feet south of trail, 425 feet east of watercourse; paint mark on granite bowlder, marked "4466"-----	4, 464. 43
Clark, 12 miles southwest of, 2.1 miles southwest of canyon mouth, 300 feet northwest of sharp bend to south; paint mark on round granite stone in trail, marked "4545"-----	4, 543. 65
Clark, 13 miles southwest of, 3.3 miles southwest of canyon mouth, west of lower end of Cyclone Bar, against slope, 30 feet south of bowlder 18 feet long, in 4-foot bowlder; aluminum tablet stamped "4650"-----	4, 648. 286
Clark, 14.3 miles southwest of, 1 mile southwest of lower end of Cyclone Bar, opposite mouth of canyon, in northwest wall, 90 feet east of trail, on middle one of three bowlders; paint mark marked "4692"-----	4, 689. 98
Clark, 15.4 miles southwest of, 1,000 feet below island, opposite canyon, in northwest wall; paint mark on granite bowlder, marked "4691"-----	4, 689. 85
Painter, 9.5 miles northeast of, 2.5 miles northeast of Dead Indian Creek, on south canyon wall, 150 feet southwest of point where trail tops canyon wall, in large limestone bowlder at south margin of trail; aluminum tablet stamped "5759"-----	5, 756. 899

	Feet.
Painter, 8.6 miles northeast of, 1.6 miles northeast of Dead Indian Creek, on flat limestone at north side of trail; painted point marked "5847" -----	5, 845. 50
Painter, 7 miles northeast of, 0.2 mile northeast of S. Thompson's cabin on Dead Indian Creek, 35 feet northwest of trail, 30 feet west of two boulders; painted square on granite boulder, marked "5901" -----	5, 898. 96
Painter, 5.8 miles northeast of, 0.2 mile east of Sunlight Creek, 40 feet north of path leading west from Thompson's cabin; paint mark on granite boulder, marked "6020" -----	6, 018. 077
Painter, 4.7 miles northeast of, 0.8 mile northeast of Elk Creek, 20 feet east of Sunlight road; paint mark on granite boulder, marked "6179" -----	6, 177. 643
Painter, 4 miles northeast of, 750 feet east of Sunlight road crossing of Elk Creek, 100 feet north of telephone line, 50 feet southwest of alkali swamp, in granite boulder; aluminum tablet stamped "6179" -----	6, 177. 138

From Cody southwest to junction of North and South forks of Shoshone River.

Cody, 200 feet south of flagpole at foot of second bench, in volcanic outcrop; copper bolt stamped "5010" -----	5, 018. 430
Cody, 1 mile north of, center of bridge over Shoshone River, at west margin of bridge floor; bolt head marked "4831" -----	4, 829. 38
Cody, 3.4 miles west of, 25 feet south of road to canyon, 25 feet west of bridge crossing, in limestone outcrop; aluminum tablet stamped "5042" -----	5, 040. 727
Cody, 4.7 miles west of, 200 feet north of road; iron post stamped "U.S.G.S.R.L. 5203" -----	5, 210. 350
Cody, 5.7 miles west of, 1 mile above mouth of canyon, ravine to south, on lime rock on south margin of road; chiseled square, marked "5296" -----	5, 094. 45
Cody, 7 miles west of, 130 feet south of road, 20 feet north of eastern of three huts, on east end of capstone of small dugout; chisel mark marked "5156" -----	5, 154. 680
Cody, 8 miles west of, 300 feet west of tunnel, at dam, 6 feet above grade; iron post -----	5, 410. 891

#### EMBAR QUADRANGLE.

[Latitude 43° 30'–44°; longitude 108° 30'–109°.]

From point 2.5 miles east of summit of road at Circle Ridge north and east to point 2 miles southeast of Paddock.

Mail Camp ranch, 11 miles southwest of, 3 miles east of divide between Dry Creek and Dry Muddy Canyon, 300 feet south of road, 200 feet south of draw, near mouth of side canyon, 480 feet east of quarter-section corner, in sandstone rock 3 by 3 by 5 feet; aluminum tablet stamped "6814 RL" -----	6, 820. 987
Mail Camp ranch, 8.8 miles southwest of, 0.5 mile west of crossing of Dry Muddy Creek, on point at foot of rocky hill, 400 feet south of road, 125 feet south of deep-cut draw, in sandstone rock; aluminum tablet stamped "6461 RL" -----	6, 468. 800
Mail Camp ranch, 4 miles southwest of, 0.25 mile north of forks of road, in sandstone ledge; aluminum tablet stamped "6394 RL" ---	6, 401. 536

	Feet.
Mail Camp ranch, 0.5 mile west of, 200 feet west of gate, 50 feet south of road on summit; aluminum tablet stamped "RL"-----	6, 495. 633
Blondes ranch, 6.3 miles west of, 2 miles north of Mail Camp ranch, near foot of mountain, 15 feet east of road, in limestone rock; aluminum tablet stamped "6943 RL"-----	6, 950. 626
Blondes ranch, 4.8 miles west of, on Summit of Owl Creek Mountain, 0.1 mile west of point where road crosses divide, 100 feet west of trail, in granite rock; aluminum tablet stamped "8099 RL"-----	8, 106. 769
Blondes ranch, 2.1 miles west of, 2.7 miles north of summit of Owl Creek Mountain, in saddle on top of steep hill 40 feet north of road, in limestone rock; aluminum tablet stamped "7254 RL"-----	7, 261. 374
Blondes ranch, 0.8 mile west of, 200 feet southeast of crossing of South Fork of Owl Creek, in lava rock 10 feet south of road, marked by rock mound; aluminum tablet stamped "6482 RL"-----	6, 489. 754
Blondes ranch, 2 miles north of, 0.5 mile north of Owl Creek, at forks of Thermopolis and Meeteetse roads, in lava rock; aluminum tablet stamped "6473 RL"-----	6, 480. 426
Basin Embar ranch, 1 mile north of, 700 feet south of county road, 300 feet north of North Fork of Owl Creek, 150 feet north of forks of roads, in flint rock in pasture, marked by rock mound; aluminum tablet stamped "6095 RL"-----	6, 101. 955
Short's house, 100 feet south of, 5 feet south of fence, 25 feet north of road, in lava rock; aluminum tablet stamped "5789 RL"-----	5, 796. 401
Embar ranch buildings, 300 feet south of, 100 feet south of South Fork of Owl Creek, at forks of road leading into ranch; iron post stamped "5611 RL"-----	5, 618. 189
Embar ranch, 3 miles east of, 200 feet north of road, in southeast corner of field; iron post stamped "5469 RL"-----	5, 476. 454
Embar ranch, 5.6 miles east of, 0.25 mile southeast of junction of South and North Forks of Owl Creek, 200 feet south of road, in sandstone ledge level with ground, 100 feet northeast of large sandstone rocks; aluminum tablet stamped "5342 RL"-----	5, 339. 426
Embar ranch, 9 miles east of, 1 mile southeast of Padlock ranch, 25 feet north of road, 50 feet east of mail box; iron post stamped "5118 RL"-----	5, 115. 336
From point near Gwin's ranch northwest to point about 10 miles northwest of Ilo.	
Ilo, 2 miles northwest of, 700 feet east of road, 600 feet east of draw, at foot of rocky ridge, in sandstone rock; aluminum tablet stamped "5300 RL"-----	5, 306. 540
Ilo, 5 miles northwest of, 1 mile northwest of divide between Grass and Gooseberry creeks, 250 feet west of road, in sandstone rock; aluminum tablet stamped "5434 RL"-----	5, 440. 866
Ilo, 8 miles northwest of, on divide between Gooseberry Creek and tributary, 100 feet south of road, in sandstone ridge (rock mound on top); aluminum tablet stamped "5580 RL"-----	5, 587. 401

## FRANC PEAK QUADRANGLE.

[Latitude 44°-44° 30'; longitude 109°-109° 30'.]

From point 5 miles north of stage station, Cody-Meeteetse road, to point 3 miles south of Cody.

Wiley's house, 1 mile west of, 1 mile southeast of Sage Creek, on ridge, 6 feet west of road; iron post stamped "5592 RL"-----	5, 599. 699
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Feet.

Watkins ranch, 1 mile south of, in forks of Sage Creek and gulch, 6 feet west of road, opposite telephone pole 140-336; iron post stamped "5345 RL"-----	5, 353. 017
Cody, 5 miles southeast of, on divide between Coal Mine and Sage creeks, 5 feet south of road (road now changed to follow telephone line); iron post stamped "5222 RL"-----	5, 229. 800

From point near Cody west up North Fork of Shoshone River to Craig Creek  
(single spur line).

Cody, 8.2 miles west of, 5 feet below lower edge of road, opposite U. S. R. S. office, at sharp turn to right; iron post-----	5, 366. 852
Cody, 9.2 miles west of, 30 feet south of road, on top of sandstone boulder; chiseled square, marked "5396"-----	5, 394. 75
Cody, 10 miles west of, 2 miles west of dam, 100 feet east of fill, on pyramidal stone on north margin of road; chiseled square, marked "5424"-----	5, 422. 569
Cody, 11 miles west of, 3 miles west of dam, 25 feet north of east end of bridge crossing small ravine, in loose stone boulder; aluminum tablet stamped "5437"-----	5, 435. 313
Cody, 12 miles west of, at east end of low bridge, 0.6 mile east of Rattlesnake Creek; on top of boulder, marked "5393"-----	5, 391. 65
Cody, 12.7 miles west of, at north margin of east abutment of Rattlesnake bridge; chiseled square, marked "5391"-----	5, 389. 58
Cody, 13.7 miles west of, north margin of road, west side of small bridge, on boulder; chiseled point, marked "5381"-----	5, 379. 70
Cody, 14.7 miles west of, 100 feet east of gateway to George Logan's residence, north of road, in sandstone boulder 25 feet north of Government road; aluminum tablet stamped "5404"-----	5, 402. 582
Cody, 17 miles west of, 200 feet east of Trout Creek bridge, in south-west abutment of culvert over Therman ditch; aluminum tablet stamped "5486"-----	5, 484. 228
Cody, 21 miles west of, 4 miles west of Trout Creek, 2,500 feet west of large house near river, 70 feet south of Government road, in top of dome-shaped boulder 4 feet high; aluminum tablet stamped "5582"-----	5, 580. 400
Cody, 22 miles west of, 550 feet west of tube bridge over Shoshone River, 150 feet south of telegraph line; point on small boulder, marked "5598"-----	5, 596. 88
Cody, 23 miles west of, opposite "3" ranch, 400 feet north of river, near trail; point on volcanic stone, marked "5636"-----	5, 634. 19
Cody, 24 miles west of, 0.3 mile north of river, 3 feet south of trail, 100 feet east of another trail at crossing of dike; point on stone, marked "5834"-----	5, 832. 77
Cody, 25.8 miles west of, 200 yards east of Craig Creek, 50 feet north of trail, 0.2 mile north of river, at foot of bluff at mouth of shallow ravine with wind-worn sandstone outcrop on its east side, in granite boulder; aluminum tablet stamped "5802"-----	5, 800. 456

From point 9.2 miles west of Cody southwest up South Fork of Shoshone River  
to point 9 miles southwest of Ishawooa (single spur line).

Cody, 10.6 miles west of, 3,000 feet south of forks of Shoshone River, 175 feet northeast of ranch house, at corner of shed; paint point on granite boulder, marked "5225"-----	5, 223. 83
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	Feet.
Cody, 12.4 miles west of, 1 mile south of schoolhouse, 50 feet south of road forks, on stone at east margin of road; square point marked "5304"-----	5, 302. 59
Cody, 14.7 miles west of, 6 miles south of dam, at east side, of road, 130 feet north of gate to F. M. Williams's ranch; summit of section corner stone, marked "5417"-----	5, 415. 96
Cody, 15.5 miles west of, 4,000 feet southwest of bridge south of F. M. Williams's residence, 1,050 feet northeast of road crossing Cody ditch, in granite boulder 50 feet northwest of road; aluminum tablet stamped "5428"-----	5, 426. 660
Cody, 16.5 miles southwest of, 8 miles southwest of Government dam, 0.5 mile east of head of Cody ditch, opposite ravine, 50 feet north of road and east of watercourse, on summit of 2-foot by 3-foot boulder; point marked "5471"-----	5, 469. 89
Cody, 18 miles southwest of, 9.7 miles from dam, opposite large ranch house, on north side of road, 230 feet south of road at creek crossing; point on boulder, marked "5576"-----	5, 574. 85
Cody, 19 miles south of, 10.5 miles above dam, 200 feet south of trail; point on volcanic boulder, marked "5561"-----	5, 559. 95
Cody, 20 miles southwest of, 11.7 miles southwest of dam, opposite lower of two trestles in ditch on north side; point on boulder, marked "5637"-----	5, 635. 66
Cody, 21 miles southwest of, 12.5 miles southwest of dam, at west margin of road, at road forks and Bull Creek crossing, in granite boulder; aluminum tablet stamped "5681"-----	5, 679. 226
Cody, 22 miles southwest of, 13.6 miles southwest of dam, 1 mile southwest of Bull Creek, on southwest corner of wooden bridge, 100 feet northeast of ditch crossing; spike head marked "5756"-----	5, 754. 65
Ishawooa, 1 mile south of, 130 feet north of Bellknap Creek, in low granite boulder at north margin of road; aluminum tablet stamped "5926"-----	5, 924. 085
Ishawooa, 2 miles west of, 1.1 miles west of Bellknap Creek, 0.2 mile south of road, 300 feet south of section corner, at top of bluff; point on summit of boulder, marked "5940"-----	5, 938. 46
Ishawooa, 4 miles west of, 100 feet east of Rock Creek crossing, in granite boulder at north margin of road; aluminum tablet stamped "5908"-----	5, 906. 282
Ishawooa, 5 miles west of, 250 feet north of road, 100 feet north of old road; point on summit of boulder, marked "6054"-----	6, 052. 38
Ishawooa, 6 miles west of, 2 miles southwest of Rock Creek, 50 feet south of road, near upper end of ancient rock bar; point on granite boulder, marked "6226"-----	6, 224. 296
Ishawooa, 7 miles southwest of, 500 yards southwest of small stream crossing, 3 miles southwest of Rock Creek, 75 feet northwest of road, 150 feet north of divide; point on boulder, marked "6400"-----	6, 398. 44
Ishawooa, 9 miles southwest of, 5 miles southwest of Rock Creek, 330 feet north of dugout, 75 feet east of road, in large sandstone boulder; aluminum tablet stamped "6344"-----	6, 342. 800

## FRANNIE QUADRANGLE.

[Latitude 44° 30'–45°; longitude 108° 30'–109°.]

## From Cody north along road through Corbett to Eagles Nest.

	Feet.
Sage Creek, 150 yards west of, 250 feet south of road to Cody, at foot of second bench, 300 yards southeast of sheep pens, in large quartzite boulder; copper bolt stamped "4889"-----	4,896.861
Shoshone River, 500 yards south of bridge over, 100 feet south of road, in sandstone rock; copper bolt stamped "4759"-----	4,768.776
Corbett, 50 feet east of north end of bridge across Shoshone River, in sandstone rock; copper bolt stamped "4671"-----	4,678.476
Billings and Heart Mountain roads, junction of, 22.5 feet northwest of flagpole (azimuth station), on first or upper bench above Corbett; iron post stamped "4783"-----	4,795.864
Corbett, 2.5 miles north of bridge across Shoshone River, 150 feet east of county road; iron post stamped "4725"-----	4,733.076
Eagles Nest, 3.2 miles southwest of, 100 feet west of county road; iron post stamped "4687"-----	4,694.742

## From Eagles Nest north along road to Bell's ranch on Clarks Fork.

Eagles Nest, 0.25 mile northeast of, junction of Billings-Red Lodge road; iron post stamped "4664"-----	4,671.607
Eagles Nest, 2.5 miles north of, at edge of second bench north of Shoshone River, 50 feet east of road; iron post stamped "4853"---	4,860.723

## From Eagles Nest east 7 miles and north along Billings Road to Frannie.

Eagles Nest, 3.5 miles east of, 100 feet north of road; iron post stamped "4552"-----	4,560.152
Eagles Nest, 6.5 miles east of, in flat on second bench above Shoshone River, 50 feet east of road; iron post stamped "4491"-----	4,498.540
Eagles Nest, 9.5 miles east of, 100 feet south of road; iron post stamped "4396"-----	4,403.855
Eagles Nest, 13.5 miles northeast of, 150 feet southeast of road, in sandstone rock; copper bolt stamped "4382"-----	4,389.534
Eagles Nest, 17 miles northeast of, 200 feet northwest of road on edge of divide, in large block of yellow sandstone; copper bolt stamped "4442"-----	4,450.186
Eagles Nest, 20 miles northeast of, 0.2 mile north of Alkali Creek, 300 feet east of road, in sandstone ledge; copper bolt stamped "4254"-----	4,262.050
Frannie, 7.5 miles south of, 75 feet east of road; iron post stamped "4248"-----	4,255.552
Frannie, 3 miles south of, north side of road; iron post stamped "4212"-----	4,219.782
Frannie, 1 mile south of, 100 feet west of road; iron post stamped "4191"-----	4,199.211
Frannie, northeast corner of J. Morris's yard near picket fence; iron post stamped "4212"-----	4,219.474

## From Frannie west on Montana-Wyoming State line.

Frannie, 8 miles west of, on divide between Clarks Fork and Shoshone River; iron post stamped "4785"-----	4,792.852
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	Feet.
Frannie, 10 miles west of, rocky point east of mudholes in dry creek, in sandstone ridge; copper bolt stamped "4753"-----	4,760.283
Bell's ranch, 12 miles east of, top of mesa near large canyon heading northward; iron post stamped "4882"-----	4,889.248
Bell's ranch, 8 miles east of, 0.5 mile from top of ridge, on west slope of divide; copper bolt stamped "4545"-----	4,551.751
From point 6 miles northwest of Germania along road northwest to Garland.	
Germania, 6.8 miles north of, 1,500 feet north of fork of road to Burlington, 40 feet west of road, 20 feet west of telephone pole 2335; iron post stamped "4539 RL"-----	4,547.609
Germania, 8.6 miles north of, 30 feet west of road, 20 feet west of telephone pole 2172, on point of ridge, 2 miles north of forks of roads; iron post stamped "4378 RL"-----	4,385.783
Germania, 10.8 miles north of, 350 feet east of telephone pole 2095, 3,200 feet north of Sage Creek, 40 feet west of road; iron post stamped "4323 RL" (set by Reclamation Service)-----	4,331.330
Germania, 12.8 miles north of, 1,000 feet east of telephone pole 2025, 35 feet west of road, on point of small ridge; iron post stamped "4317 RL" (set by Reclamation Service)-----	4,325.548
Whistle Creek, 0.8 mile north of, 40 feet east of telephone pole 1943, 40 feet west of road; iron post stamped "4250 RL" (set by Reclamation Service)-----	4,257.903
Garland, 3.5 miles southeast of, 200 feet north and 300 feet east of center of Shoshone River bridge; iron post stamped "4083 RL" (set by Reclamation Service)-----	4,090.740

## FREMONT PEAK QUADRANGLE.

[Latitude 43°-43° 30'; longitude 109° 30'-110°.]

Bench mark in T. 35 N., R. 110 W., about on west side of sec. 9.

Alexander's house, 4 miles south of, 0.25 mile north of Big Gate, 400 feet north of fence corner, 50 feet east of fence, 40 feet east of road, in granite rock; aluminum tablet stamped "7463 RDLG"---	7,472.607
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Bench mark in T. 37 N., R. 110 W., about in northeast corner of sec. 13.

T. 37 N., R. 110 W., about northeast corner of sec. 13, 0.8 mile south of creek, in granite rock 1,000 feet east of fence; aluminum tablet stamped "7665 RDLG"-----	7,673.406
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From Big Bend 4 miles north of Wells southeast along road up Green River to Green River Lake (single spur line).

T. 39 N., R. 109 W., sec. 6, at southwest corner of porch of Hill's ranch house, in flint rock 1 by 1 foot and 6 inches above ground; aluminum tablet stamped "7799 RL"-----	7,806.660
T. 39 N., R. 109 W., sec. 5, 1.3 miles east of Hill's ranch, 1,000 feet southeast of river, 25 feet northwest of road in grove of pine trees, in small granite rock; aluminum tablet stamped "7858 RL"-----	7,865.566
T. 39 N., R. 109 W., sec. 11, 5.1 miles southeast of Hill's ranch, 700 feet southwest of old cabin and barn, 500 feet south of river, 100 feet south of road, in granite rock; aluminum tablet stamped "7948 RL"-----	7,956.098
Outlet of Green River Lake; surface of water, November 6, 1906----	7,958.0

Feet.

Osborne's house, south side of, in granite rock; aluminum tablet stamped "7963 RL"-----	7,971.454
Osborne's house, 400 feet south of, on south side of channel at water edge, in granite rock; aluminum tablet stamped "7953 RL"-----	7,960.784

From Big Bend 4 miles north of Wells northeast along road over Continental Divide toward Wind River.

T. 40 N., R. 110 W., sec. 36, 6.7 miles north of Wells, 6 feet east of road, on ridge, in granite rock; aluminum tablet stamped "8125 RDLG"-----	8,132.984
T. 40 N., R. 109 W., sec. 29, 9 miles northeast of Wells, 200 feet south of seventh creek crossing, 1,000 feet north of eighth crossing, on ridge, 25 feet east of road, in large rock; aluminum tablet stamped "9008 RDLG"-----	9,016.297
T. 40 N., R. 109 W., sec. 16, 6.1 miles south of Continental Divide, 200 feet south of Dry Branch, 5 feet west of road, in large granite rock; aluminum tablet stamped "9245 RDLG"-----	9,252.862
T. 40 N., R. 109 W., sec. 10, 4.4 miles south of Continental Divide, 1 mile south of creek, 5 feet east of road, on ridge, in large granite rock; aluminum tablet stamped "9016 RDLG"-----	9,024.646
T. 40 N., R. 109 W., sec. 2, 2.5 miles south of Continental Divide, 700 feet south of creek, 8 feet west of road, on ridge, in granite rock; aluminum tablet stamped "8994 RDLG"-----	9,002.378
T. 41 N., R. 109 W., sec. 25, 1,500 feet south of third creek crossing, on Continental Divide, 3 feet west of road, in large granite rock; aluminum tablet stamped "9201 RDLG"-----	9,209.314
T. 41 N., R. 109 W., sec. 25, 0.25 mile north of Continental Divide, 100 feet north of third creek crossing, 30 feet east of road, in large granite rock; aluminum tablet stamped "9178 RDLG"-----	9,185.985

Bench mark near Pease ranch.

T. 41 N., R. 106 W., sec. 24, 4 miles west of Circle, 0.1 mile east of Henry Pease's ranch, in center of lane, 15 feet north of road, in large granite rock; aluminum tablet stamped "6662 RL"-----	6,669.521
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#### GRAND TETON QUADRANGLE.

[Latitude 43° 30'–44°; longitude 110° 30'–111°.]

From Buffalo ford southwest along road east of Snake River to May's ranch.

T. 45 N., R. 114 W., north side of Buffalo ford, 20 feet from wagon road; iron post stamped "6731 B. & M."-----	6,733.570
T. 44 N., R. 114 W., in front of Fisher's cabin, 40 feet from road; iron post stamped "6739 B. & M."-----	6,741.409
T. 44 N., R. 114 W., at front gate of Cunningham's ranch, southeast of house; iron post stamped "6750 B. & M."-----	6,752.458
T. 44 N., R. 115 W., sec. 36, 3.5 miles southwest of Cunningham's ranch, 50 feet east of road, 600 feet northeast of quarter corner between secs. 35 and 36; iron post stamped "6973 B. & M."-----	6,975.662
T. 43 N., R. 115 W., sec. 11, 100 feet east of road, at Antelope Springs; iron post stamped "6792 B. & M."-----	6,794.632
T. 43 N., R. 115 W., sec. 8, 0.8 mile south of May's ranch, 75 feet east of road; iron post stamped "6597 B. & M."-----	6,599.582

From Buffalo ford along road down west side of Snake River via Smith's ranch to Menor ferry, thence across Snake River south 3 miles and east to May's ranch.

	Feet.
T. 45 N., R. 114 W., northwest corner of yard at Smith's ranch; iron post stamped "6748 B. & M."-----	6, 750. 148
SNAKE RIVER; surface of water-----	6, 734
JACKSON LAKE, at south end of; surface of water-----	6, 736
T. 45 N., R. 114 W., 3 miles southwest of Smith's ranch, 10 feet west of road; iron post stamped "6945 B. & M."-----	6, 947. 248
T. 44 N., R. 115 W., sec. 14, 6.8 miles southwest of Smith's ranch, 60 feet north of road fork; iron post stamped "6754 B. & M."-----	6, 756. 342
T. 44 N., R. 115 W., sec. 26, 11.1 miles southwest of Smith's ranch, north mark of base line; bronze tablet stamped "6832 B. & M."---	6, 831. 753
T. 43 N., R. 116 W., 1 mile west of Menor ferry, 50 feet north of road, 70 feet west of signboard; iron post stamped "6497 B. & M."-----	6, 499. 415
Menor ferry; mark on Snake River water gage-----	6, 451. 08
Menor ferry, 30 feet southwest of Menor's house; iron post stamped "6458 B. & M."-----	6, 460. 474
Menor ferry, 3 miles south of, sec. 12, T. 42 N., R. 116 W., 60 feet east of road fork; iron post stamped "6459"-----	6, 461. 880

From Menor ferry southwest along west side of Snake River to Willson's store.

STEWART'S house, 6 feet southwest of; iron post stamped "6430 B. & M."-----	6, 432. 444
T. 42 N., R. 116 W., near corner of secs. 17, 18, 19, and 20, 700 feet east of Miller's house, 40 feet east of corner of fence; iron post stamped "6337 B. & M."-----	6, 339. 959
MILLER'S house, 4 miles southwest of, line between Tps. 41 and 42 N., 400 feet southwest of house, 80 feet north of road fork; iron post stamped "6247 B. & M."-----	6, 249. 692

From Capt. Smith's ranch along road north and west of Jackson Lake.

T. 46 N., R. 114 W., sec. 31, 3.8 miles northwest of Smith's ranch, 325 feet north of Pilgrim Creek; iron post stamped "6914 B. & M."-----	6, 916. 363
T. 46 N., R. 115 W., 9 miles northwest of Smith's ranch, southeast corner of yard of Sargent's old ranch; iron post stamped "6890 B. & M."-----	6, 892. 146
JACKSON LAKE; surface of water-----	6, 736. 0
T. 46 N., R. 115 W., 11 miles northwest of Smith's ranch, 20 feet east of road, 300 feet west of house; iron post stamped "6758 B. & M."---	6, 760. 313
T. 47 N., R. 115 W., 13.5 miles northwest of Smith's ranch, 25 feet west of road, 60 feet northwest of signboard; iron post stamped "6797 B. & M."-----	6, 799. 959

From May's ranch south along highway via Glidden's ranch to Giltner's ranch.

GLIDDEN'S ranch, 100 feet east of house; iron post stamped "6371 B. & M."-----	6, 373. 714
GILTNER'S ranch, northwest corner of Moses Giltner's yard; iron post stamped "6213 B. & M."-----	6, 215. 870

From Glidden's ranch southeast along highway to Emery's ranch.

GLIDDEN'S ranch, 3.2 miles southeast of, 200 feet north of ford on Flat Creek, 3 feet southeast of corner of Tps. 41 and 42 N., Rs. 115 and 116 W.; iron post stamped "6324 B. & M."-----	6, 326. 224
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Feet.

Emery's ranch, in northwest corner of Emery's yard; iron post stamped "6449 B. & M."----- 6, 451. 961

## GROS VENTRE QUADRANGLE.

[Latitude 43°-43° 30'; longitude 110°-110° 30'.]

From point northwest of Cora north along highway to point 3.9 miles northwest of Wells.

T. 36 N., R. 110 W., sec. 32, 2 miles south of Alexander's house, 200 feet east of fence, 50 feet east of road in hollow, in rock; aluminum tablet stamped "7539 RDLG"----- 7, 547. 593

T. 36 N., R. 110 W., sec. 20, 0.5 mile south of forks, 300 feet north of gate to Alexander's pasture, 30 feet east of road, in granite rock; aluminum tablet stamped "7664 RDLG"----- 7, 672. 126

T. 36 N., R. 110 W., sec. 8, 2 miles south of summit, 1,000 feet north of forks of road, 60 feet east of road, in granite rock on ridge; aluminum tablet stamped "7820 RDLG"----- 7, 828. 696

T. 37 N., R. 110 W., sec. 11, 0.5 mile south of forks of road, on summit, 40 feet east of road, in granite rock; aluminum tablet stamped "7877 RDLG"----- 7, 884. 864

T. 37 N., R. 110 W., sec. 26, 1.5 miles north of summit of pass, 1.5 miles south of sawmill, 100 feet east of road, in large granite rock; aluminum tablet stamped "7730 RDLG"----- 7, 738. 248

T. 38 N., R. 110 W., sec. 36, 3 miles south of Old Kendall, 0.2 mile south of spring, 30 feet west of road, in limestone rock; aluminum tablet stamped "7669 RDLG"----- 7, 677. 432

T. 38 N., R. 110 W., sec. 23, 0.2 mile southeast of Old Kendall post office (now occupied by United States forest rangers), 50 feet west of fence, 200 feet north of fence corner, 40 feet west of road, in granite rock; aluminum tablet stamped "7717"----- 7, 725. 416

T. 38 N., R. 110 W., sec. 11, 2 miles south of Wells, 5 feet west of road, in large granite rock; aluminum tablet stamped "7980 RDLG"----- 7, 988. 477

T. 39 N., R. 110 W., sec. 36, 1,500 feet south of Wells post office, 15 feet east of road, in granite rock; aluminum tablet stamped "7786 RDLG"----- 7, 794. 334

T. 39 N., R. 110 W., sec. 26, 0.2 mile west of Green River, 2.4 miles northwest of Wells, on ridge, 15 feet west of road, 0.5 mile north of Little Gros Ventre Creek and Jackson's Hole road, 60 feet west of fence, in granite rock; aluminum tablet stamped "7837 RDLG"----- 7, 845. 215

T. 39 N., R. 110 W., sec. 14, 3.9 miles northwest of Wells, 250 feet west of Green River, 50 feet north of small boggy branch, 1 mile south of point where Raccoon Creek turns west, 15 feet west of road, in large granite rock; aluminum tablet stamped "7809 RDLG"----- 7, 816. 855

Big bend 4 miles north of Wells northwest up Wagon Creek, over divide, and down Bacon Creek.

T. 40 N., R. 110 W., sec. 34, 7.2 miles northwest of Wells, 2.7 miles northwest of branding corral, 40 feet north of road; aluminum tablet stamped "8523 RL"----- 8, 530. 725

T. 40 N., R. 110 W., sec. 28, 0.8 mile east of Mosquito Lake, 10 feet north of road, in granite rock; aluminum tablet stamped "8889 RL"----- 8, 897. 163

	Feet.
Mosquito Lake; surface of water October 30, 1906.....	8, 876. 1
T. 40 N., R. 110 W., sec. 17, 1.5 miles northwest of Mosquito Lake, on high narrow granite divide, 200 feet north of lone pine tree, in granite rock; aluminum tablet stamped "8984 RL".....	8, 992. 456
T. 40 N., R. 110 W., sec. 7, 2.9 miles northwest of Mosquito Lake, summit between Wagon and Bacon creeks, 30 feet south of road, in granite rock; aluminum tablet stamped "9066 RL".....	9, 074. 427
T. 40 N., R. 111 W., near northwest corner of sec. 1, 2.4 miles northwest of summit, 3 feet east of road, in 3 by 4 by 4 foot granite rock; aluminum tablet stamped "8733 RL".....	8, 740. 696
T. 41 N., R. 111 W., sec. 26, 4.6 miles northwest of summit, 150 feet north of creek, 400 feet northeast of crossing, 15 feet east of road, in granite boulder; aluminum tablet stamped "8313 RL".....	8, 321. 231

## KINNEAR QUADRANGLE.

[Latitude 43°-43° 30'; longitude 108° 30'-109°.]

From mouth of Bull Lake Creek southeast along road to Fort Washakie.

Sage Creek, 11.4 miles west of, 300 feet west of brow of bench, 30 feet west of road, on summit, in granite rock; aluminum tablet stamped "5681 RDLG".....	5, 688. 231
Sage Creek, 9 miles north of, 0.5 mile south of Wind River, 90 feet south of road, in granite rock; aluminum tablet stamped "5594 RDLG".....	5, 602. 099
Sage Creek, 6 miles north of, 3.5 miles east of Wind River, 15 feet north of road, on brow of bench, in sandstone rock; aluminum tablet stamped "6085 RDLG".....	6, 092. 583
Sage Creek, 3.5 miles north of, on point of hill, 3,000 feet east of top of bench, 35 feet north of road, in sandstone ledge; aluminum tablet stamped "6077 RDLG".....	6, 085. 061
Sage Creek, 3,000 feet north of, on second ridge, 50 feet south of road, in sandstone rock; aluminum tablet stamped "5825 RDLG".....	5, 832. 725
Fort Washakie, 7 miles north of, on point of hill, 2 miles east of Sage Creek, 40 feet north of road, in sandstone rock; aluminum tablet stamped "5708 RDLG".....	5, 715. 570
Fort Washakie, 4.5 miles north of, on point of small hill, 30 feet north of road, in sandstone rock; aluminum tablet stamped "5771 RDLG".....	5, 779. 020
Fort Washakie, 3 miles north of, 15 feet south of road, in sandstone rock; aluminum tablet stamped "5800 RDLG".....	5, 807. 381
Fort Washakie, northeast corner of office of J. K. Moore's store, 50 feet south of main road, 150 feet south of gate, at south entrance to parade ground, in face of rock; aluminum tablet stamped "5562 RDLG".....	5, 569. 709

From Fort Washakie northeast along road to Thermopolis to point 10 miles southwest of Muddy Creek.

Sulphur Lake; surface of water August 17, 1905.....	5, 470. 7
Fort Washakie, 2 miles north of, 30 feet east of Sulphur Lake, 10 feet west of hitching rail, 39 feet east of bathhouse; iron post stamped "5468 RDLG".....	5, 475. 962
Fort Washakie, 3 miles north of, 400 feet north of bridge over irrigation ditch, 300 feet west of cabin, 15 feet west of road, at fence corner; iron post stamped "5428 RL".....	5, 436. 162

	Feet.
Little Wind River, 1,350 feet northeast of, at forks of road, 10 feet west of main road, 40 feet south of small gully; iron post stamped "5341 RL"-----	5, 348. 963
Wind River, 6.5 miles southwest of, 700 feet south of summit, 15 feet west of road, on small rise, in sandstone rock; aluminum tablet stamped "5614 RL"-----	5, 621. 915
Wind River, 5 miles southwest of, 1.4 miles north of summit, 20 feet east of road, in sandstone ledge; aluminum tablet stamped "5506 RL"-----	5, 513. 136
Wind River, 2 miles southwest of, 1,300 feet north of summit, 20 feet east of main road; iron post stamped "5388 RL"-----	5, 395. 125
Wind River, at ferry; surface of water August 3, 1905-----	5, 207. 6
Wind River, 0.5 mile northeast of, on bluff 30 feet east of road; iron post stamped "5300 RL"-----	5, 307. 828
Muddy Creek, 15 miles south of, 2 miles south of forks of road, 4 miles north of Wind River, 20 feet west of road; iron post stamped "5314 RL"-----	5, 321. 189
Muddy Creek, 12 miles south of, 6 miles north of Wind River, 30 feet east of road, on small rise, marked by rock mound; iron post stamped "5217 RL"-----	5, 224. 632

## KIRWIN QUADRANGLE.

[Latitude 43° 30'–44°; longitude 109°–109° 30'.]

From Circle along road northeast through Kirwin to Antler ranch.

T. 41 N., R. 105 W., sec. 4, 6 miles northeast of Circle, 0.5 mile northeast of junction of North Fork and Wiggins Fork of Wind River, 0.2 mile northeast of forks of Circle road and Old Dubois-Thermopolis stage road, on point of ridge on east side of river, 50 feet above trees, in large granite rock, marked by rock mound; aluminum tablet stamped "6768 RL"-----	6, 775. 642
T. 42 N., R. 105 W., sec. 22, 0.2 mile northeast of Double Diamond ranch, 100 feet west of road, at mouth of draw, west side, opposite peculiar-colored clay mounds, on east side of draw, in granite boulder; aluminum tablet stamped "7067 RL"-----	7, 074. 671
T. 42 N., R. 104 W., sec. 6, in saddle on divide south of Alkali Creek, 100 feet east of rock cut, in irrigation ditch and road, in soft granite ledge, marked by rock mound; aluminum tablet stamped "7571 RL"-----	7, 578. 938
T. 43 N., R. 104 W., sec. 30, 100 feet north of south boundary line of Yellowstone Forest Reserve, 0.1 mile west of quarter section corner, 50 feet west of road, in side of draw, in large granite rock; aluminum tablet stamped "7790 RL"-----	7, 797. 986
T. 43 N., R. 104 W., sec. 19, 1.5 miles north of forest-reserve boundary line, 30 feet east of road, in rock on saddle at top of big hill, marked by rock mound; aluminum tablet stamped "8622 RL"-----	8, 629. 186
T. 43 N., R. 104 W., sec. 8, 100 feet north of small creek, 250 feet east of small cabin, 12 feet east of trail; aluminum tablet stamped "8515 RL"-----	8, 522. 290
T. 44 N., R. 104 W., sec. 33, on west side of North Fork of Wind River, 3 feet east of main trail, 100 feet from river, 25 feet higher than water, high rocky bluff east on opposite side of river, in granite rock; aluminum tablet stamped "8694 RL"-----	8, 701. 963

	Feet.
T. 44 N., R. 104 W., sec. 22, 0.2 mile north of junction of North Fork of Wind River and large creek flowing from northeast, 5 feet east of trail, in granite boulder; aluminum tablet stamped "9002 RL"	9, 009. 570
T. 44 N., R. 104 W., sec. 9, 75 feet east of left bank of canyon of North Fork of Wind River, opposite mouth of Elk Creek, 200 feet west of trail, in park, in granite rock; aluminum tablet stamped "9499 RL"	9, 507. 100
T. 44 N., R. 104 W., 0.2 mile northwest of northeast corner of sec. 5, in saddle on divide between Bear Creek and North Fork of Wind River, in rock; aluminum tablet stamped "10730 RL"	10, 737. 842
Kirwin, 4.8 miles southwest of, 1.5 miles south of coal mine, in rock on divide between Wood River and Wind River; aluminum tablet stamped "11202 RL"	11, 210. 112
Kirwin, 3.2 miles west of, 300 feet east of northwest corner of Granda's mining claim, 200 feet east of cabin, in forks of Wood River, in boulder; aluminum tablet stamped "10100 RL"	10, 107. 508
Kirwin, 250 feet west of Tawkbury's house, 600 feet southeast of "Mattice B" tunnel, on small ridge, north of road; iron post stamped "9187 RL"	9, 194. 704
Kirwin, 4 miles northeast of, on Wood River, 40 feet west of road, 30 feet south of cabin door; iron post stamped "8308 Red Lodge"	8, 315. 932
Kirwin, 7 miles northeast of, 0.2 mile north of upper limit of Fish, 400 feet west of small spring draw, 6 feet north of road, at the Rapids of Wood River; iron post stamped "7923 RL"	7, 931. 092
John Joyce's house, 500 feet north of, 15 feet south of road near gate, opposite Middle Fork of Wood River; iron post stamped "7319 RL"	7, 326. 889
Brown's ranch, 20 feet north of road, 30 feet south of house; iron post stamped "6992 RL"	6, 999. 891
T. 47 N., R. 102 W., near south line of sec. 36, 300 feet south of Duck Creek, 0.2 mile west of Schmitzell's ranch house "The Antlers"; iron post stamped "6769 RL"	6, 776. 913

From point 6 miles north of Circle east on Thermopolis road to point 2.5 miles east of summit of road at Circle Ridge.

Junction of East and West forks of Wind River, 3 miles east of, 200 feet southeast of road, on point of hill, in hard sandstone, marked by rock mound; aluminum tablet stamped "7334 RL"	7, 341. 622
Sand Coulee crossing, 1.5 miles west of, 150 feet north of road, in lava boulder; aluminum tablet stamped "7417 RL"	7, 424. 519
Sand Coulee, 0.8 mile east of, 60 feet north of road, in granite rock on summit; aluminum tablet stamped "6981 RL"	6, 988. 799
Crow Creek, 2.5 miles east of, 15.2 miles east of junction of East and West forks of Wind River, on summit opposite Black Mountain, 100 feet south of road, in granite rock; aluminum tablet stamped "7585 RL"	7, 592. 488
Crow Creek, 5.5 miles east of, 800 feet west of crossing of Red Creek, 20 feet south of road, in granite rock; aluminum tablet stamped "7036 RL"	7, 043. 786
Junction of Red and Dry creeks, 4 miles north of, at forks of road, in limestone rock; aluminum tablet stamped "7044 RL"	7, 051. 873
Dry Creek and Dry Muddy Canyon, on summit between, in limestone rock; aluminum tablet stamped "7395 RL"	7, 402. 306

## LENORE QUADRANGLE.

[Latitude 43°-43° 30'; longitude 109°-109° 30'.]

From point near Circle southeast down Wind River to mouth of Bull Creek.

Feet.

Circle, 2 miles north of, 300 feet southwest of quarter corner between secs. 20 and 21, T. 41 N., R. 105 W., at forks of road, 40 feet west of bridge on irrigation ditch, in granite rock; aluminum tablet stamped "6630 RL"-----	6,637.372
Circle, 1 mile west of, on west edge of plateau, 10 feet south of road and gate, in granite rock; aluminum tablet stamped "6695 RL"----	6,703.093
Circle, northeast corner of post office and ranch, in stone house of Wind River Live Stock Co.; aluminum tablet stamped "6522 RL"---	6,529.855
Circle, 2.5 miles east of, 100 feet west of Wind River bridge, 20 feet north of road, in rock; aluminum tablet stamped "6416 RDLG"---	6,423.085
Circle, 4.8 miles east of, 25 feet south of Wind River, 3 feet south of road, in sandstone cliff; aluminum tablet stamped "6322 RDLG"---	6,329.191
Dunwoody Creek, 1.5 miles west of, 70 feet south of Wind River, 8 feet north of road, in granite rock; aluminum tablet stamped "6235 RDLG"-----	6,242.833
Dunwoody Creek, 130 feet west of, 50 feet south of road, in granite rock; aluminum tablet stamped "6204 RDLG"-----	6,211.783
Dry Creek, 6.5 miles west of, 500 feet south of Wind River, 50 feet south of road, on point of hill; aluminum tablet stamped "6130 RDLG"-----	6,138.030
Dry Creek, 2.5 miles west of, 15 feet south of road, 100 feet west of mail box, in granite rock; aluminum tablet stamped "6038 RDLG"---	6,045.734
Second crossing of Dry Creek, 300 feet south of, 280 feet northwest of Dry Branch, 60 feet south of road, in rock in fence corner; aluminum tablet stamped "5958 RDLG"-----	5,965.486
JK ranch, 4.5 miles west of, 20 feet north of road, 0.5 mile south of Wind River, 1 mile east of Dry Creek, in rock at fence corner; aluminum tablet stamped "5918 RDLG"-----	5,925.171
JK ranch, 2 miles west of, 1,000 feet south of Wind River, 50 feet north of road on bank of gulch, in granite rock; aluminum tablet stamped "5878 RDLG"-----	5,886.126
JK ranch, 1,500 feet northwest of, 1,400 feet northwest of First Meadow Creek, 300 feet south of fence, 50 feet south of ditch, in sandstone rock; aluminum tablet stamped "5843 RDLG"-----	5,850.426
Bull Lake Creek, 7.4 miles west of, 1.5 miles east of Meadow Creek, 150 feet west of small gully, 30 feet north of road; iron post stamped "5924 RDLG"-----	5,931.305
Bull Lake Creek, 4 miles west of, 100 feet east of bank of gulch, 100 feet south of road, in granite rock; aluminum tablet stamped "5903 RDLG"-----	5,911.067
Bull Lake Creek, 4 miles west of, 100 feet east of bank of gulch, 100 feet south of road, in granite rock; aluminum tablet stamped "5790 RDLG"-----	5,798.009
Sage Creek, 13.4 miles west of, 1 mile west of Bull Lake Creek, 30 feet south of road, in granite rock; aluminum tablet stamped "5790 RDLG"-----	5,798.009
Bull Lake Creek; surface of water August 22, 1905-----	5,650

From point 6 miles north of Circle east to Thermopolis (part of line).

Crow Creek, 0.2 mile west of, on edge of mesa where road goes down into Crow Creek, 30 feet south of road, 40 feet southwest of forks of road, in granite rock; aluminum tablet stamped "7072 RL"---	7,079.536
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	Feet.
Junction of Red and Dry creeks, 0.5 mile northwest of, 1,000 feet northwest of forks of road, 300 feet west of road, in granite rock at foot of ridge; aluminum tablet stamped "6712 RL"-----	6,719.766

## LOVELL QUADRANGLE.

[Latitude 44° 30'-45°; longitude 108°-108° 30'.]

From Germania northwest along road to Garland.

Germania, 0.3 mile northwest of, 100 feet northeast of W. Peper's house, southeast angle of forks of road to Hyattville; iron post stamped "4412 RL"-----	4,420.365
Germania, 3.8 miles northwest of, 25 feet west of road, near small hillock of sage brush on north brow of hill; iron post stamped "4482 RL"-----	4,490.280

## MOUNT LEIDY QUADRANGLE.

[Latitude 43° 30'-44°; longitude 110°-110° 30'.]

From May's ranch east up Gros Ventre River and Fish Creek to Twogwotee Pass.

Crystal Creek, 1 mile southeast of mouth, 0.8 mile southeast of cabin, at foot of low hills; in large gray boulder; copper bolt stamped "7068 B. & M."-----	7,071.172
T. 42 N., R. 111 W., about center of sec. 31 (unsurveyed), north side of Fish Creek, opposite mouth of Bacon Creek, 20 feet southeast of trail, 1 mile northeast of cabin; in rock 8 by 8 by 8 feet; copper bolt stamped "7521 B. & M."-----	7,523.434
T. 42 N., R. 111 W., on west side of North Fork of Fish Creek, 1.2 miles above Fish Creek, at mouth of small gulch, east side of trail, in sandstone rock 5 by 5 by 5 feet; copper bolt stamped "7715 B. & M."-----	7,717.922
T. 42 N., R. 111 W., 4.2 miles above mouth and 70 feet west of North Fork of Fish Creek, at rocky point, 800 feet north of point where trail leads up creek, in rock 4 by 4 feet by 1 foot; copper bolt stamped "7867 B. & M."-----	7,869.711
T. 43 N., R. 110 W., 7.9 miles above mouth of North Fork of Fish Creek, 60 feet west of left tributary creek, 600 feet north of its mouth, in top of rock 30 by 30 by 12 inches; copper bolt stamped "8186 B. & M."-----	8,188.475
T. 43 N., R. 110 W., 2.6 miles south of divide between North Fork of Fish Creek and Blackrock Creek, at head of small creek, 25 feet north of east-west bend in Fish Creek, in sandstone rock 3 by 3 feet by 1 foot; copper bolt stamped "8615 B. & M."-----	8,618.206
T. 43 N., R. 111 W., 1 mile west of northeast corner, on top of divide between Fish and Blackrock creeks, in rock 2 by 2 by 5 feet; copper bolt stamped "9611 B. & M."-----	9,613.623
Twogwotee Pass, 0.5 mile west of, 20 feet south of road, in rock 8 by 8 inches and 8 inches above ground; copper bolt stamped "9658 B. & M."-----	9,661.180
Twogwotee Pass, 1.5 miles east of, 50 feet south of road, 700 feet west of small marsh where road enters timber, in rock 12 by 24 by 18 inches; copper bolt stamped "9354 B. & M." (spur line)-----	9,356.970

**From Twogwotee Pass northwest down Blackrock Creek and Buffalo Fork of Snake River to Buffalo Ford.**

	Feet.
Twogwotee Pass, 4.2 miles northwest of, 5 feet west of road, 0.2 mile south of point where road enters timber, in rock 5 by 8 by 8 feet; copper bolt stamped "9204 B. & M."-----	9, 207. 511
Twogwotee Pass, 8.2 miles northwest of, 1.5 miles north of forks of Blackrock Creek, at south end of Blackrock meadows, 60 feet north of road, in limestone rock 5 by 10 by 10 feet; copper bolt stamped "8653 B. & M."-----	8, 655. 724
Twogwotee Pass, 16 miles northwest of, 2.5 miles south of Buffalo Fork of Snake River, 400 feet west of round hill, 60 feet west of road, in rock 6 by 8 by 12 feet; bronze tablet stamped "7776 B. & M."-----	7, 779. 641
Buffalo Ford, 6.4 miles northeast of, south side of Cherry's hay meadow, 400 feet north of Buffalo Fork, on hillside, 470 feet north of southwest corner of sec. 21, T. 45 N., R. 113 W., in rock 4 by 6 by 10 feet; copper bolt stamped "6793 B. & M."-----	6, 795. 844

**From Dick Turpin meadow northeast along trail up Buffalo Fork (spur line).**

T. 45 N., R. 112 W., sec. 14, 1,000 feet north of trail, 150 feet from edge of timber, on hillside, at east border of Dick Turpin meadow, in rock 2 by 3 by 3 feet beside a still larger boulder; copper bolt stamped "6932 B. & M."-----	6, 934. 294
Bear Cub Pass, T. 45 N., R. 111 W., 30 feet southwest of trail, near point where trail passes over rocky hill; copper bolt stamped "8042 B. & M."-----	8, 045. 430

**OTTO QUADRANGLE.**

[Latitude 44°-44° 30'; longitude 108°-108° 30'.]

**From point near Flowing Well northeast along road through Burlington to Germania.**

George Baker's ranch, 800 feet southwest of, 900 feet east of Graves's ranch, at forks of road, at telephone pole 2107; iron post stamped "4492 RL"-----	4, 500. 489
Burlington, corner of Main and Davis streets, 50 feet north of, in foundation of small frame drug store; aluminum tablet stamped "4423 RL"-----	4, 431. 383
Burlington, 3 miles north of, southeast angle of crossroads, 1,000 feet east of house occupied by N. C. Jensen (Neff house); iron post stamped "4522 RL"-----	4, 530. 198

**From Germania to Otto.**

Germania, 3.3 miles southeast of, 8 feet south of corner of fence, 3 feet west of road; iron post stamped "4384 RL"-----	4, 392. 091
Germania, 6.5 miles southeast of, 1.5 miles south of edge of bench, 35 feet east of road, in middle of bench; iron post stamped "4629 RL"-----	4, 636. 701
Otto, 4.8 miles northwest of, 40 feet north of road on lower bench, 780 feet east of road forks; iron post stamped "4424 RL"-----	4, 432. 606
Otto, 1.5 miles northwest of, at northwest angle of crossroads, 15 feet south of telephone pole 2978; iron post stamped "4155 RL"-----	4, 163. 432

	Feet.
Otto, in northwest corner of foundation of Pioneer Hotel; aluminum tablet stamped "4109 RL"-----	4, 117. 431

From Burlington through Otto to point 2.5 miles east of Basin.

Burlington, 0.5 mile east of, 600 feet east of Kinniman's house, 30 feet south of road, 10 feet north of ditch; iron post stamped "4404 RL"-----	4, 411. 737
Burlington, 3.5 miles east of, 1 mile east of Illiff's ranch, 10 feet north of Hill road; iron post stamped "4384 RL"-----	4, 391. 716
Burlington, 6.5 miles east of, 600 feet north of ditch and fence, 50 feet south of road, on side of small knoll; iron post stamped "4319 RL"-----	4, 327. 579
Otto, 1 mile northwest of, southwest angle of crossroads, at fence corner, at telephone pole 2978; iron post stamped "4155 RL"-----	4, 163. 473
Otto, 3 miles east of, 1,000 feet southwest of Blakesley's house, 75 feet north of forks of roads, in sandstone ridge; aluminum tablet stamped "4093 RL"-----	4, 101. 326
Anderson's ranch, 1 mile east of, 0.25 mile east of junction of Otto Basin stage road and Garland Basin freight road, 10 feet north of road on ridge; iron post stamped "4025 RL"-----	4, 033. 308
Basin, 3 miles west of, 600 feet north of telephone pole 3354, 75 feet south of road, in sandstone ledge; aluminum tablet stamped "4086 RL" (rock mound on top)-----	4, 094. 386
Basin, 1 mile northwest of, 0.2 mile northwest of junction of road and telephone line, 50 feet southwest of road in draw; iron post stamped "4021 RL" (rock mound on top)-----	4, 028. 969
Basin, in southwest corner of Cook's store building; aluminum tablet stamped "3864 RL"-----	3, 872. 941
Basin, in west front of Patton's store building (drug store and post office); aluminum tablet stamped "3862 RL"-----	3, 870. 102
Basin, 2.6 miles southeast of, 40 feet north of road, on point of bald hill; iron post stamped "3895 RL"-----	3, 903. 504

From Basin south along road toward mouth of Nowood River.

Basin, 3 miles south of, 20 feet north of point where telephone line crosses road at telephone pole 1809; iron post stamped "3903 RL"-----	3, 911. 502
Basin, 6 miles south of, 1,000 feet southwest of Bonnie Rogers's house, 100 feet west of road, 40 feet west of ditch, in sandstone rock; aluminum tablet stamped "3872 RL"-----	3, 881. 051

#### RIVERTON QUADRANGLE.

[Latitude 43°-43° 30'; longitude 108°-108° 30'.]

From Fort Washakie-Thermopolis road 10 miles southwest of Muddy Creek to point 2 miles south of Nostrum's house on Red Creek.

Muddy Creek, 8 miles south of, 1,000 feet south of summit, in forks of road, 20 feet east of signpost, 30 feet east of main road; iron post stamped "5302 RL"-----	5, 309. 842
Muddy Creek, 6.5 miles south of, in rock 12 feet west of road, between two big sandstone buttes one on each side of the road; aluminum tablet stamped "5233 RL"-----	5, 240. 815

	Feet.
Muddy Creek, 3.8 miles south of, 300 feet east of road, in sandstone ledge; aluminum tablet stamped "5257 RL"-----	5, 264. 127
Muddy Creek, 40 feet west of, on north bank, 250 feet east of John Voss's house, 20 feet west of road; iron post stamped "5039 RL"---	5, 046. 471
John Golayar's (Mexican John's) house, 9.5 miles south of, 1 mile south of creek, 20 feet east of road, on point of small hill; iron post stamped "5042 RL"-----	5, 049. 630
John Golayar's house, 6.5 miles south of, 300 feet west of creek, 100 feet west of road, 1,200 feet south of creek crossing, in southeast corner of large sandstone ledge; aluminum tablet stamped "4931 RL"-----	4, 938. 570
John Golayar's house, 3.5 miles south of, 20 feet west of road, 300 feet west of small dry creek; iron post stamped "5064 RL"-----	5, 071. 512
John Golayar's house, 250 feet east of, 4 feet north of mail-box post, 10 feet east of road; iron post stamped "5346 RL"-----	5, 353. 140
Nostrum's house on Red Creek, 9.5 miles south of, 2 miles north of Sheep Creek, at summit of Owl Mountains, 15 feet west of road, in lime rock; aluminum tablet stamped "6244 RL"-----	6, 251. 655
Nostrum's house on Red Creek, 7 miles south of, 2.8 miles south of summit, 15 feet west of road, in sandstone on rocky point; aluminum tablet stamped "5788" (marked by rocky mound)-----	5, 795. 671
Nostrum's house on Red Creek, 4 miles south of, on hill 25 feet west of road; iron post stamped "5233 RL"-----	5, 240. 633

**SUNSHINE QUADRANGLE (INCLUDING MEETEETSE AND OREGON BASIN  
15' QUADRANGLES).**

[Latitude 44°-44° 30'; longitude 108° 30'-109°.]

**From Meeteetse southeast along road to point 10 miles northwest of Ile.**

Meeteetse, 3 miles southeast of, on divide 125 feet west of road, in sandstone ledge; aluminum tablet stamped "6340 RDLG"-----	6, 346. 260
Meeteetse, 5 miles southeast of, 4 miles northwest of Buffalo Creek, 15 feet west of road, in sandstone rock marked by rock mound; aluminum tablet stamped "6057 RL"-----	6, 063. 592
Crossing of Buffalo Creek, 0.2 mile northwest of, 100 feet east of road, in sandstone rock 2 by 2 by 6 feet with mound of rock on top; aluminum tablet stamped "5659 RL"-----	5, 665. 997
Moon's ranch, 3 miles northwest of, 0.5 mile south of Buffalo Creek, 0.5 mile south of shearing pens, 200 feet south of road, in sandstone rock with mound of rock on top; aluminum tablet stamped "5576 RL"-----	5, 583. 091
Moon's house, 500 feet east of, 400 feet north of Gooseberry Creek, 200 feet west of road, in sandstone ledge; aluminum tablet stamped "5497 RL"-----	5, 503. 513

**From Meeteetse southwest along road to Antler's ranch.**

Meeteetse, south end of Main Street, at southwest corner of block at stone church; iron post stamped "5789 RL"-----	5, 797. 028
Meeteetse, 3 miles southwest of, 0.2 mile southwest of Iron Creek, 5 feet north of road, 3 feet south of fence; iron post stamped "5932 RL"-----	5, 940. 008
Meeteetse, 6.2 miles southwest of, 0.2 mile south of mouth of Wood River, 25 feet south of road, 50 feet north of River's house, at front gate; iron post stamped "6076 RL"-----	6, 084. 047

	Feet.
Meeteetse, 9 miles southwest of, 0.25 mile west of Brown's ranch house, 10 feet east of road at Brown's and Watson's mail boxes; iron post stamped "6344 RL"-----	6, 751. 952
From Sunshine southeast along road to point near Renner's ranch (single spur line).	
Sunshine, 5.5 miles southeast of, 1 mile west of Renner's ranch, in sec. 31, T. 47 N., R. 100 W., a short distance north of point where road crosses Gooseberry Creek; iron post stamped "6285"-----	6, 287. 194
From Meeteetse northwest along road 5 miles north of stage station on Cody road.	
Meeteetse, 3 miles north of, in north angle of forks of Cody and Basin roads, at stone fence; iron post stamped "5682 RL"-----	5, 690. 183
Meeteetse, 10 miles north of, on right bank of Cottonwood Creek, 10 feet east of road, 40 feet south of creek, 40 feet west of telephone pole 838; iron post stamped "6111 RL"-----	6, 119. 136
Meeteetse, 13 miles north of, on divide between forks of Dry Creek, 6 feet south of road between telephone poles 735 and 736; iron post stamped "6159 RL"-----	6, 167. 114
Stage station on Dry Creek, 100 feet south of barn, 10 feet west of road; iron post stamped "5553 RL"-----	5, 561. 482
Stage station, 4 miles north of, in gulch near forks of stage road and old road to Frost's ranch, 400 feet west and opposite telephone pole 522; iron post stamped "5708 RL"-----	5, 715. 956
From Meeteetse northeast to point near flouring mill on Burlington road.	
Meeteetse, 5 miles northeast of, 0.8 mile northeast of Merrill's house, 1,000 feet north of Grey Bull River, 1 foot south of road, in sandstone rock; aluminum tablet stamped "5543 RL"-----	5, 552. 152
Meeteetse, 8 miles northeast of, 1 mile north of ranch house, 0.5 mile northeast of Cottonwood Creek, 10 feet east of road, 40 feet south of draw, 50 feet north of ditch, in sand rock; aluminum tablet stamped "5455 RL"-----	5, 462. 959
Virtue's ranch house, 125 feet east of, 150 feet north of road, 5 feet north of ditch, in sand rock; aluminum tablet stamped "5287 RL"-----	5, 295. 014
Y U ranch house, 0.7 mile west of, 100 feet northwest of gate, 15 feet north of road, near mail box; iron post stamped "5220 RL"-----	5, 228. 031
Whilsett's house, 800 feet northwest of, 1,000 feet west of Coyote Canyon, 60 feet north of road, in sandstone; aluminum tablet stamped "5015 RL"-----	5, 023. 216
Old Bill Beck ranch, 0.5 mile north of, 150 feet south of telephone pole 1725, 30 feet south of road, in forks; iron post stamped "4944 RL"-----	4, 952. 108
Junerfield's house, 0.7 mile northwest of, 40 feet north of road, 50 feet south of sandstone bluff, in sandstone rock; aluminum tablet stamped "4849 RL"-----	4, 857. 653
Fenton, 0.5 mile northeast of, 20 feet north of road; iron post stamped "4778 RL"-----	4, 786. 011
Flouring mill, about 2 miles west of, 0.5 mile northeast of crossing of Wylie ditch, 10 feet southeast of road, 3 feet south of telephone pole 2015; iron post stamped "4593 RL"-----	4, 601. 097

From point on Meeteetse-Cody stage road 1 mile west of Wiley north along highway to point 1 mile northwest of Wiley, 1 mile south of Burlington road, and 0.2 mile north of Wiley Canal.

Feet.

Wiley, 1.5 miles northeast of, on rock pier of foundation under northwest side of old ranch house, old road running northeast, 500 feet northwest of house, ridge to northwest about 0.2 mile from house, large hole in northwest corner of yard; point cut in rock, marked "5325"-----	5, 323. 40
Wiley Canal, 75 feet from canal, where same is broken by gulch running east, rocky cliffs and ridge to northwest; point cut on large boulder, marked "5275"-----	5, 273. 49
Wiley Canal, 400 feet northeast of bushy pine tree, point where canal makes a decided bend to east, 10 feet from center of canal, Dry Lake in Oregon basin about 1 mile to east, on top of large rock on canal bank; aluminum tablet stamped "5261"-----	5, 259. 871
Wiley, 1 mile north of, 0.2 mile north of Wiley Canal, just east of road over low point of ridge, 1 mile south of Burlington road, on large single boulder 10 feet from road; aluminum tablet stamped "5318"-----	5, 316. 045

From point 1 mile north of Wiley west along highway to point 4 miles southeast of Cody.

Wiley, on east side of old road running along range or ridge north of, road runs from Sage Creek into Oregon basin, about 5 miles southeast of Cody; point on rock near section corner, marked "5177"-----	5, 175. 27
Cody, 5 miles southeast of, on west end of flume crossing Sage Creek, south side of flume; cross on top of post, marked "5118"-----	5, 116. 70

From point 1 mile south of Burlington road southeast and southwest along highway to point on Meeteetse-Cody road 0.8 mile west of Elk Butte.

Mudd Springs, 2 miles west of, on west side of Meeteetse-Cody freight road; cross on rock, marked "5128"-----	5, 126. 41
Meeteetse-Cody freight road, on small hill 200 feet west of, hole cut in rock, marked "5163"-----	5, 161. 43
Eagle coal mine, 0.2 mile north of, 0.2 mile east of north end of Cedar Ridge, 100 feet north of road, 5 miles east of Wiley on Oregon Coulee, south end of small ridge; cut in rock on pile of rocks, marked "5167"-----	5, 164. 94
Eagle coal mine, 0.5 mile north of, 1,000 feet west of Cedar Ridge, between south fork of Oregon Coulee and Cedar Ridge, 60 feet east of road, on large boulder 1½ feet above ground; aluminum tablet stamped "5211"-----	5, 209. 060
Elk Butte, 2 miles northeast of, west of Cedar Ridge, on south fork of Oregon Coulee, 1,000 feet east of road; point cut in large rock, marked "5261"-----	5, 258. 80
Elk Butte, just west of, section quarter corner, on south side of road running from bench mark 5708, Red Lodge, east along flat toward Cedar Ridge; point cut in rock, marked "5592"-----	5, 589. 92
Elk Butte, 0.8 mile west of, on Meeteetse-Cody stage road, on upper Oregon Coulee; iron post stamped "5708 RL"-----	5, 715. 956

From junction of Meeteetse-Cody stage road and Old Burlington road east, south, and west along highway to Meeteetse-Cody stage station on Dry Creek, 18 miles south of Cody and 18 miles north of Meeteetse.

	Feet.
Mudd Springs, 1.8 miles east of, near point where canal cuts through rocky bank and turns to north, 75 feet south of canal, on large boulder; aluminum tablet stamped "5114"-----	5, 112. 681
Mudd Springs, 2.6 miles southeast of, 0.5 mile north of Old Burlington road, 2.5 miles northeast of point where Meeteetse-Cody freight road crosses Oregon Coulee, on large boulder just east of group of boulders, 2 feet above ground; aluminum tablet stamped "5119"-----	5, 117. 198
Old Burlington road, 25 feet north of, just north of Oregon Coulee; point cut on slab rock, marked "5101"-----	5, 099. 26
Meeteetse-Cody freight road, 1 mile east of, on top of ridge, in big rock pile; point cut on boulder, marked "5167"-----	5, 165. 77
Dry Creek crossing, 900 feet north of, 10 feet west of Cody-Meeteetse freight road; on ledge rock 4 feet above ground, marked "5147"-----	5, 145. 182
Dry Creek, 1.5 miles southwest from P.B.M. 5147, east side of road leading from Dry Creek crossing to stage station; point cut on slab rock under cliff, marked "5191"-----	5, 189. 59
T. 50 N., R. 100 W., in sec. 2, 4.2 miles east of stage station, 1,000 feet northeast of junction of North and South forks of Dry Creek, 75 feet from draw from southeast, 120 feet southwest of bushy green tree, in lowest ledge of rock, south end of ledge, 1 foot above ground; aluminum tablet stamped "5315"-----	5, 312. 964
Stage station, 0.5 mile east of, sheep pens, 7 feet east of bunk house; glass bottom of iron pipe sunk in ground, marked "5511"-----	5, 508. 98
Meeteetse-Cody stage station on Dry Creek, 18 miles south of Cody, 18 miles north of Meeteetse; iron post stamped "5563 Red Lodge"-----	5, 561. 482

#### THERMOPOLIS QUADRANGLE.

[Latitude 43° 30'-44°; longitude 108°-108°.30'.]

From point near Padlock ranch east along road to Thermopolis.

Thermopolis 11.5 miles west of, 0.2 mile north of crossing of Owl Creek, at point where road turns from due north to due east, on west side of lane, 1 foot east of fence, 2 feet south of wire gate, in sandstone rock; aluminum tablet stamped "4981 RL"-----	4, 988. 505
Thermopolis, 8.3 miles west of, 3.5 miles east of crossing of Owl Creek, 1,000 feet west of board cabin, 0.2 mile east of log cabin, 25 feet south of road, 1 foot north of cedar post, in wire fence, in sandstone rock; aluminum tablet stamped "4851 RL"-----	4, 858. 602
Thermopolis, 6.3 miles west of, 1 mile northwest of Junkin's ranch, 15 feet south of road, at forks of road, old road leading due south, 4 feet west of post, in boulder; aluminum tablet stamped "4747 RL"-----	4, 754. 003
Thermopolis, 4.5 miles west of, 300 feet north of creek, 20 feet north of road, in ledge on east end of sandstone ridge; aluminum tablet stamped "4614 RL"-----	4, 620. 091
Thermopolis, 3 miles west of, 1.5 miles south of Owl Creek, 0.25 mile north of draw with water in it, 30 feet east of road, on a summit, in granite rock marked by rock mound; aluminum tablet stamped "4704 RL"-----	4, 711. 649
Thermopolis, east side of school building, 3 feet north of door, 2 feet from ground; aluminum tablet stamped "4389 RL"-----	4, 396. 628

## From Thermopolis northwest along road to point near Gwins ranch.

	Feet.
Thermopolis, 3 miles northwest of, 500 feet south of forks of road, 300 feet north of forks of road near signpost, 400 feet west of river, 10 feet east of road, in sandstone marked by rock mound on top; aluminum tablet stamped "4330 RL"-----	4, 337. 278
Thermopolis, 5.7 miles northwest of, 1.2 miles west of Bighorn River, 0.8 mile southeast of Owl Creek, in saddle on divide between Bighorn River and Owl Creek, 20 feet north of road, in sandstone rock; aluminum tablet stamped "4560 RL"-----	4, 567. 410
Thermopolis, 8.7 miles northwest of, 2 miles northwest of Owl Creek, 600 feet south of road, 50 feet southeast of draw, in north end of stone ledge marked by rock mound; aluminum tablet stamped "4602 RL"-----	4, 608. 823
Owl Creek, 4 miles northwest of, 1 mile northwest of divide north of Owl Creek, in sandstone rock 1 foot west of road and on narrow ridge; aluminum tablet stamped "4699 RL"-----	4, 706. 246
Harris ranch (stage station), on west side of draw, 10 feet west of well, 100 feet east of stone chicken house, in sandstone rock; aluminum tablet stamped "4660 RL"-----	4, 666. 585
Harris ranch (stage station), 3 miles northwest of, 20 feet north of road, on ridge, in sandstone rock; aluminum tablet stamped "4846 RL"-----	4, 853. 473
Harris ranch (stage station), 6.7 miles northwest of, 3 miles southeast of Cottonwood Creek, 20 feet north of road, in sandstone; aluminum tablet stamped "4991 RL"-----	4, 997. 870
Morrison's ranch, 1 mile east of, 0.8 mile southeast of crossing of Cottonwood Creek, 100 feet west of road, on east end of sandstone ridge; aluminum tablet stamped "4945 RL"-----	4, 952. 817
Morrison's ranch, 3 miles northeast of, 75 feet east of road, on hill, in sand rock marked by rock mound; aluminum tablet stamped "5127 RL"-----	5, 134. 259
Gwins ranch, 1,000 feet southeast of, 0.5 mile west of crossing of Grass Creek, 0.2 mile south of Grass Creek, 10 feet from either road, at forks, in sandstone lava rock marked by rock mound; aluminum tablet stamped "5130 RL"-----	5, 136. 510

## From Thermopolis southwest to point near Nostrum's ranch.

Thermopolis, 2.6 miles south of, in forks of road, 300 feet west of creek, 50 feet west of signboard; iron post stamped "4685 RL"---	4, 692. 706
Thermopolis, 6.2 miles south of, 30 feet east of road, in gulch, on sandstone ridge marked by rock mound; aluminum tablet stamped "4986 RL"-----	4, 993. 215
Summit, 0.5 mile south of, 1 mile north of Red Creek, 20 feet east of road, in sandstone ledge; aluminum tablet stamped "5181 RL"---	5, 188. 489
Nostrum's house on Red Creek, 1.5 miles south of, 25 feet west of road, on point of small hill, marked by rock mound; iron post stamped "4908 RL"-----	4, 915. 731

## From point 3 miles north of Thermopolis northeast to point near Worland.

Thermopolis, 7.2 miles north of, southwest corner of entrance to lane, 1,000 feet north of Owl Creek, 15 feet west of road; iron post stamped "RDLG"-----	4, 302. 541
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	Feet.
Winchester, 10 miles south of, 150 feet southeast of Tom Allen's house, at southeast corner of yard, at junction of telephone lines, 5 feet west of main road; iron post stamped "4311 RDLG"-----	4, 320. 185
Winchester, 7 miles south of, 0.6 mile south of Watson's mail box, 250 feet north of bed of gulch, 15 feet east of road, in sandstone ledge; aluminum tablet stamped "4335 RDLG"-----	4, 343. 634
Winchester, 2.7 miles south of, 0.5 mile west of Bighorn River, 0.5 mile west of cabin, 250 feet west of wire fence, 800 feet north of fence corner, 20 feet west of road, in sandstone rock; aluminum tablet stamped "4220 RDLG"-----	4, 229. 158
Winchester, 1,400 feet north of post office, 14.7 miles south of Worland, 20 feet east of road, on slope of bench to creek, in sandstone ledge; aluminum tablet stamped "4224 RDLG"-----	4, 232. 377
Winchester, 1.6 miles north of, 50 feet south of south bank of canyon, 25 feet west of road, 0.5 mile west of Bighorn River; iron post stamped "4245 RDLG"-----	4, 253. 755
Winchester, 5.1 miles north of, 1.3 miles south of Gooseberry Creek, 1 mile west of Bighorn River, 25 feet west of road, opposite telephone pole 634; iron post stamped "4172 RDLG"-----	4, 180. 280
Worland, 6.5 miles south of, 30 feet west of road, 30 feet east of telephone pole 745, in sandstone ledge marked by rock mound; aluminum tablet stamped "4178 RDLG"-----	4, 187. 064
Worland, 3 miles south of, at corner of field fence, 20 feet south of bridge over ditch, 10 feet east of road; iron post stamped "4140 RDLG"-----	4, 148. 248

#### VICTOR QUADRANGLE.

[Latitude 43° 30'-44°; longitude 111°-111° 30'.]

##### Bench marks on Idaho-Wyoming State line.

Idaho-Wyoming State line, 8 feet north of road; bronze tablet stamped "6681 B. & M."-----	6, 684. 130
Alta, 1.5 miles west of, 1,000 feet northwest of Rigby's house, at mile-post 192, Wyoming-Idaho State line; iron post-----	6, 404. 651

#### YOUNTS PEAK QUADRANGLE.

[Latitude 43° 30'-44°; longitude 109° 30'-110°.]

From Continental Divide along road northeast to mouth of Du Noir Creek, thence down Wind River to point 3 miles northwest of Circle.

T. 41 N., R. 108 W., sec. 19, 1 mile south of summit, 2.5 miles north of branch of Warm Springs Creek, 30 feet west of road, in large granite rock; aluminum tablet stamped "9556 RDLG"-----	9, 563. 450
T. 41 N., R. 108 W., sec. 17, 4.2 miles south of Warm Springs, 0.5 mile north of summit, in granite rock 6 feet west of road; aluminum tablet stamped "9755 RDLG"-----	9, 762. 571
T. 41 N., R. 108 W., near line between secs. 5 and 8, 2.2 miles south of Warm Springs Creek, 20 feet east of road, in granite rock; aluminum tablet stamped "9240 RDLG"-----	9, 247. 601
T. 41 N., R. 108 W., near northeast corner of sec. 4, 1 mile south of Warm Springs Creek, 25 feet east of road, on first summit; iron post stamped "9129 RDLG"-----	9, 136. 848

Feet.

T. 42 N., R. 108 W., near line between secs. 27 and 28, 3 miles southwest of mouth of Du Noir Creek, 0.5 mile north of Warm Springs Creek, 500 feet southwest of Joe Affenball's gate, 60 feet east of fence corner, 50 feet east of road, 1,500 feet north of flume, in sandstone rock; aluminum tablet stamped "8385 RDLG"-----	8,393.180
T. 42 N., R. 108 W., sec. 23, 1.2 miles southwest of mouth of Du Noir Creek, 6 feet north of road, in sandstone rock; aluminum tablet stamped "7793 RDLG"-----	7,800.921
T. 42 N., R. 108 W., near line between secs. 23 and 24, 8.5 miles northwest of Dubois, 0.5 mile northwest of junction of main road and Clark's sawmill road, 300 feet north of Wind River, 2 feet south of road, in granite rock; aluminum tablet stamped "7242"-----	7,249.357
T. 42 N., R. 107 W., sec. 30, 6.1 miles northwest of Dubois, 0.25 mile north of Grant Nepper's house, on brow of second bench, in black lava rock 10 feet east of road, marked by rock mound; aluminum tablet stamped "7177 RL"-----	7,184.425
T. 42 N., R. 107 W., sec. 34, 2.9 miles northwest of Dubois, 3 feet east of front gate of O. O. Green's ranch, near picket fence, 20 feet south of road, in sandstone rock; aluminum tablet stamped "7011 RL"-----	7,018.535
Dubois, 2 feet north of front at northeast window of F. A. Welty's store; iron post stamped "6909 RDLG"-----	6,916.645
Dubois, 200 feet northeast of F. A. Welty's store, in forks of Wind River and Horse Creek, in front of sandstone cliff; aluminum tablet stamped "6931 RL"-----	6,938.175
T. 41 N., R. 106 W., sec. 15, 6.5 miles west of Circle, 0.2 mile east of William Carson's ranch, in large granite rock monument; aluminum tablet stamped "6883 RL"-----	6,890.399

## From Dubois northeast along road to Circle-Kirwin road.

T. 42 N., R. 106 W., sec. 31, 3 miles west of summit, 2.5 miles northeast of Dubois, 12 feet north of road, at entrance to lane; iron post stamped "7227 RDLG"-----	7,234.799
T. 42 N., R. 106 W., near line between secs. 21 and 28, on summit of divide between Horse and Wiggins creeks, 20 feet west of road; iron post stamped "7616 RDLG"-----	7,624.289
T. 42 N., R. 106 W., sec. 24, 4 miles east of summit, 100 feet north of north bank of gulch, 30 feet north of road; iron post stamped "7093 RDLG"-----	7,100.717

## From mouth of Du Noir Creek northwest to Twogwotee Pass.

T. 43 N., R. 108 W., sec. 35, 2 miles north of Union, 0.2 mile east of lane at point where road turns due west, 100 feet east of fence, 50 feet west of road, 200 feet southeast of gate, 500 feet south of small draw of creek, on south side of knoll, in small rock; aluminum tablet stamped "7351 RL"-----	7,358.425
T. 43 N., R. 108 W., sec. 28, 250 feet southwest of summit between Du Noir River and Long Creek, 100 feet south of road, in granite rock with mound of rock on top; tablet stamped "8066 RL"-----	8,073.667
T. 43 N., R. 109 W., sec. 35, in saddle or pass on summit between Long Creek and Wind River, 150 feet north of road, on grassy knoll surrounded by sagebrush, in rock marked by rock mound; aluminum tablet stamped "7916 RL"-----	7,923.247

	Feet.
T. 43 N., R. 109 W., sec. 20, 0.3 mile northwest of Tom Moriarty's ranch, 0.2 mile southeast of John Burlingham's ranch, 300 feet south of road, 300 feet north of river, 60 feet north of trail, 35 feet southeast of small pine tree trimmed and blazed, 100 feet northwest of three large pine trees, south side of hill, in soft sandstone rock; aluminum tablet stamped "7842 RL"-----	7, 849. 777
T. 43 N., R. 110 W., sec. 1, in park at junction of main road and road leading to Brooks Lake, in granite rock marked by rock mound; aluminum tablet stamped "8685 RL"-----	8, 692. 277

From Mount Leidy Quadrangle spur line northeast up Buffalo Fork.

T. 45 N., R. 109 W., 31.6 miles northeast of Buffalo Ford, 0.5 mile below old railroad camp, 0.5 mile below Buffalo Creek, near edge of canyon on north side of Buffalo Creek; copper bolt stamped "8108 B. & M."-----	8, 110. 755
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#### Ilo Quadrangle.

#### BIG HORN COUNTY.

The elevations in the following list were determined by primary leveling and accord with the 1912 adjustment at Gwin's ranch and a point 8 miles northwest of Old Ilo. One line is a closed circuit joining these points, but the elevations on the two lines in the south half of the quadrangle are preliminary, the proposed circuits being uncompleted. Orthometric and rod corrections have been applied.

The work was done in 1912 by R. R. Monbeck.

#### ILO QUADRANGLE.

[Latitude 43° 45'-44°; longitude 108° 39'-108° 45']

From Gwin's ranch west 5 miles, thence northwest 5 miles, thence northeast to point 8 miles northwest of Old Ilo.

	Feet.
Old Ilo, 600 feet southeast of, at forks of road, 150 feet southeast of fence corner; chiseled hole in rock ledge-----	5, 200. 41
Old Ilo, 0.7 mile southwest of, west side of gulch entering Grass Creek, 150 feet south of road, in massive sandstone ledge; bronze tablet stamped "5287"-----	5, 285. 881
Old Ilo, 2.5 miles above, off the end of prominent rocky point, 100 feet south of road, 30 feet southwest of small drain; chiseled cross in sandstone rock-----	5, 334. 74
Old Ilo, 3.7 miles above, 150 feet west of drain, 10 feet north of road, in sandstone rock; bronze tablet stamped "5408"-----	5, 406. 961
Littlejohn ranch, east line fence of, on lower end of south brace of gate post; chiseled cross-----	5, 443. 05
Littlejohn ranch, 250 feet northwest of house, at foot of brace of east gate post, on red sandstone; chiseled cross-----	5, 512. 47
Old Pitchfork ranch, 0.5 mile down creek from, corner of ranch pasture, 0.8 mile up creek from Littlejohn ranch, 10 feet south of road, in sandstone rock; bronze tablet stamped "5569"-----	5, 567. 500
Old Pitchfork ranch, 0.8 mile up creek from, beside corner post of ranch pasture, 10 feet north of road, 200 feet south of creek; chiseled hole in sandstone rock-----	5, 630. 32

Feet.

Old Pitchfork ranch, 1.8 miles up creek from, opposite prominent rocky point on north side of creek, 800 feet southwest of road forks at Robbins's cabin, 700 feet west of fence corner, in sandstone at base of massive ledge; bronze tablet stamped "5760"-----	5, 759. 139
Robbins's cabin, 1 mile northeast of, at point where road passes under telephone line, 25 feet southeast of road; spike in base of telephone pole-----	5, 725. 91
Robbins's cabin, 3.6 miles northeast of, upper end of rocky canyon, 500 feet north of junction of road from Robbins's cabin and road from Pitchfork ranch, 250 feet north of drain, in sandstone boulder; bronze tablet stamped "5523"-----	5, 522. 053
Robbins's cabin, 4.3 miles northeast of, at base of rocky point where canyon begins to widen, 3 feet north of road, on sandstone boulder; chiseled cross-----	5, 474. 44
Robbins's cabin, 5.1 miles northeast of, intersection of old Cody-Thermopolis stage road and road from Pitchfork ranch to Moon's ranch, 50 feet southeast of, in sandstone rock; chiseled cross----	5, 533. 18
Old Ilo, 8 miles northwest of, on divide between Gooseberry Creek and tributary, 100 feet south of road, in sandstone ridge; aluminum tablet stamped "5580 Red Lodge"-----	5, 587. 401
From point 6 miles west of Old Ilo south to Wagon Hound flat (single spur line).	
Old Pitchfork ranch, east line fence of pasture, 10 feet west of iron gate; end of cast-iron catch at base of bumper post-----	5, 544. 018
Old Pitchfork ranch, 2.3 miles southeast of, on low divide between Grass Creek and tributary, 70 feet south of road, on sandstone rock; chiseled cross-----	5, 577. 816
Old Pitchfork ranch, 3.4 miles southeast of, in Spring Gulch, 600 feet above road forks, 200 feet west of channel, 125 feet west of road up gulch, in base of massive sandstone exposure; bronze tablet stamped "5589"-----	5, 588. 191
Old Pitchfork ranch, 4.4 miles southeast of, on divide between Grass and Prospect creeks, 10 feet west of road, on sandstone ledge; chiseled cross-----	5, 755. 003
Old Pitchfork ranch, 5.4 miles southeast of, 600 feet west of coal exposure, 100 feet southwest of channel, 6 feet southwest of road, on sandstone rock; chiseled cross-----	5, 503. 517
Old Pitchfork ranch, 7 miles southeast of, where road enters canyon of Prospect Creek, 250 feet north of road, in sandstone boulder at base of sandstone ledge; bronze tablet stamped "5340"-----	5, 339. 363
Old Pitchfork ranch, 8.7 miles southeast of, on divide between Prospect and Cottonwood creeks, 10 feet west of road, in white sandstone ledge; chiseled cross-----	5, 508. 345
Old Pitchfork ranch, 9.1 miles southeast of, south side of divide between Prospect and Cottonwood creeks, lowest stratum of rim rock, 50 feet west of road, beside rock monument, in sandstone ledge; bronze tablet stamped "5408"-----	5, 406. 528
Wagon Hound flat, north edge of, at bend of road, bottom of grade leading up to flat, 25 feet south of road, in flat sandstone rock; chiseled cross-----	5, 318. 499
Wagon Hound flat, south bank of drain, 25 feet east of road, in red granite boulder; chiseled cross-----	5, 432. 416

	Feet.
Wagon Hound flat, south edge of, corner of Haines pasture, 420 feet northeast of crossroads, in sandstone; bronze tablet not stamped...	5, 471. 886
From point 7 miles southeast of Old Pitchfork ranch west and south to Wagon Hound springs (single spur line).	
Prospect Creek road, 4.4 miles above Grass Creek-Cottonwood road, 10 feet north of road, opposite mouth of short rocky gulch, 125 feet north of channel; cross chiseled in sandstone.....	5, 411. 843
Prospect Creek road, 2.4 miles above Grass Creek-Cottonwood Creek road, point of ridge between Prospect Creek and tributary, 250 feet north of road, 500 feet north of channel of Prospect Creek, on sandstone concretion; chiseled cross.....	5, 492. 942
Prospect Creek road, 3.3 miles above Grass Creek-Cottonwood Creek road, 1,000 feet west of point where road crosses low divide between Prospect Creek and tributary, 100 feet west of small drain, 10 feet north of road, in sandstone; bronze tablet stamped "5572"...	5, 570. 812
Prospect Creek road, 4.4 miles above Grass Creek-Cottonwood road, point of small ridge below massive sandstone cap, 100 feet north of road, 700 feet east of drain; cross chiseled on sandstone.....	5, 657. 598
Prospect Creek road, 2,000 feet above forks of creek, west point of small ridge, 400 feet north of road up North Fork, 100 feet east of drain; hole chiseled in sandstone.....	5, 788. 175
Prospect Creek road, south fork, 1.1 miles above forks of creek, 200 feet north of section corner on rocky point, 400 feet east of channel; cross chiseled on sandstone boulder.....	5, 851. 446
Prospect Creek road, south fork, 1.8 miles above forks of creek, at foot of bluff, 300 feet east of channel, 500 feet north of side drain, 50 feet east of road, 600 feet northeast of point where road leaves valley; chiseled cross on top of large sandstone boulder.....	5, 920. 205
Prospect Creek road, up south fork, 2.5 miles above forks of creek, on divide between Prospect Creek and tributary of Cottonwood Creek, 400 feet northeast of road forks, 30 feet east of road, in sandstone ledge; bronze tablet stamped "6153".....	6, 152. 521
Wagon Hound Springs, east gate of pasture fence, 10 feet north of road; cross chiseled on sandstone ledge.....	5, 859. 625
Wagon Hound Springs, east gate of pasture fence, 10 feet north of road, 6.9 miles by route from forks of Prospect Creek, in sandstone; bronze tablet not stamped.....	5, 512. 534
Almond, Badlands, Daniel, Francis, Granger, Green River (name not final), Lander, Leckie, Newfork, Rock Springs, South Pass, Table Mountain, and Viola quadrangles.	

## FREMONT, SWEETWATER, AND LINCOLN COUNTIES.

The elevations in the following list were determined by primary leveling forming part of an adjusted net across the State in agreement with the 1912 adjustment of precise leveling.

The leveling was done in Almond quadrangle in 1907 by C. S. Moyer; in Green River quadrangle in 1906 by H. M. Huntington, and in 1907 by Moyer; in Badlands, Daniel, Francis, Granger, Lander, South Pass, and Viola quadrangles in 1906 by Huntington; and in Leckie and Newfork quadrangles in 1905 by F. A. Nussle and in

1906 by Huntington; in Almond, Rock Springs, and Table Mountain quadrangle in 1908 by J. D. Weems.

## ALMOND QUADRANGLE.

[Latitude  $41^{\circ} 30' - 42^{\circ}$ ; longitude  $108^{\circ} 30' - 109^{\circ}$ .]

From T. 23 N., R. 103 W., southeast along road to Almond (Point of Rock).

	Feet.
T. 23 N., R. 102 W., SW. $\frac{1}{4}$ sec. 32, 15 feet north of road to Point of Rock; iron post stamped "7220"-----	7, 221. 035
T. 22 N., R. 102 W., SW. $\frac{1}{4}$ sec. 10, 50 feet east of junction of and between roads to Black Rock Butte and Long Canyon; iron post stamped "7132"-----	7, 133. 127
T. 22 N., R. 101 W., SW. $\frac{1}{4}$ sec. 7, 25 feet north of road toward Black Rock Butte; aluminum tablet stamped "7023"-----	7, 024. 272
T. 22 N., R. 101 W., NW. $\frac{1}{4}$ sec. 15, 1.5 miles northwest of Black Rock Butte, 100 feet south of forks of road leading north and west; aluminum tablet stamped "6908"-----	6, 909. 590
T. 22 N., R. 101 W., NE. $\frac{1}{4}$ sec. 34, 20 feet east of road leading toward Point of Rock; iron post stamped "7060"-----	7, 061. 107
T. 21 N., R. 100 W., SW. $\frac{1}{4}$ sec. 6, 10 feet east of road to Point of Rock; iron post stamped "6856"-----	6, 857. 141
T. 21 N., R. 101 W., center of E. $\frac{1}{4}$ sec. 24, 150 feet east of road to Point of Rock, on rock; aluminum tablet stamped "6738"-----	6, 738. 631
T. 20 N., R. 101 W., NE. $\frac{1}{4}$ sec. 3, 25 feet east of road toward Point of Rock; iron post stamped "6627"-----	6, 628. 152
T. 20 N., R. 101 W., quarter corner south side of sec. 13, 15 feet east of road to Point of Rock; iron post stamped "6575"-----	6, 576. 228
T. 20 N., R. 101 W., SE. $\frac{1}{4}$ sec. 26, 1.5 miles southeast of Point of Rock, 3 feet north of road; iron post stamped "6542"-----	6, 543. 162
T. 20 N., R. 101 W., near center of sec. 28, 1 mile west of Point of Rock, between fourth and fifth telegraph poles west of milepost 805 $\frac{1}{2}$ , 4 rails west of station whistle post and 7 rails east of small trestle at point of curvature of curve west of station, 45 feet north of track, 8 feet south of fence, in top of stone post 4 $\frac{1}{2}$ feet long, 6 inches square at top, and set 4 feet in ground; bottom of square hole, lettered "U. S. $\square$ B. M." (C. & G. S. b. m. I 3)-----	6, 510. 374

From sec. 22, T. 18 N., R. 103 W., north along road to Salt Wells.

Salt Wells, 7.8 miles south of, 60 feet west of old road; iron post stamped "6470"-----	6, 472. 218
T. 19 N., R. 103 W., 40 feet north of road; stone land corner, marked "6447"-----	6, 448. 86
Salt Wells, 4.6 miles south of, 60 feet west of old road, west side of Salt Wells Creek Valley; 300 feet from foot of hill; iron post stamped "6430"-----	6, 430. 974
Salt Wells, 500 feet south of station; stone quarter corner; marked "6369"-----	6, 370. 1

From point 0.9 mile west of Salt Wells along Union Pacific Railroad to point 2 miles east of Salt Wells.

Salt Wells, 0.9 mile west of, in line with telegraph poles on south side of tracks, 4 $\frac{1}{2}$ rails east of signal stand 7966; 1 $\frac{1}{2}$ -inch pipe marked "6377"-----	6, 378. 28
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	Feet.
Salt Wells, opposite station signboard; top of north rail of west-bound main track-----	6, 373. 9
Salt Wells, 6 feet west of signboard, south of tracks; opposite center of most westward building north of tracks; spike in telegraph pole-----	6, 372. 09
Salt Wells, 0.8 mile east of, sixth telegraph pole east of first road east of Salt Wells; spike in telegraph pole-----	6, 379. 42
Salt Wells, 2 miles east of, 75 feet south of tracks, 40 feet east of seventh telegraph pole east of pole marked "794", 8 rails west of section post 141-142, about middle of first curve east of Salt Wells; 6 by 6 inch stone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. J 3)-----	6, 393. 875

From point 2 miles east of Black Buttes station west along Union Pacific Railroad to Black Buttes station, thence southwest along road to sec. 30, T. 18 N., R. 100 W.

Black Buttes, 2 miles east of, second telegraph pole space east of half-mile post 791 $\frac{1}{2}$ , on south side of east wall of through girder bridge on Union Pacific R. R., in bridge seat wall; chiseled square; marked "U. S. $\square$ B. M." (C. & G. S. b. m. G 3)-----	6, 630. 210
Black Buttes, 1.5 miles east of, on west abutment of Union Pacific R. R. bridge; chiseled mark-----	6, 620. 76
Black Buttes, 1 mile southwest of, southwest corner of store of Rock Springs Gibraltar Mining Co.; stake with aluminum cap, marked "6645"-----	6, 646. 42
Black Buttes, 2 miles southwest of, 25 feet east of center of road; stone set in ground, marked "6670"-----	6, 671. 97
T. 118 N., R. 100 W., sec. 30, 3 miles southwest of Black Buttes, 30 feet east of road; iron post stamped "6701"-----	6, 702. 456

#### BADLANDS QUADRANGLE.

[Latitude 42°-42° 30'; longitude 109° 30'-110°.]

From point 2 miles southwest of Francis & Cox ranch house northwest along road to point 2 miles south of Mud Springs.

Francis & Cox ranch house, 1.7 miles southwest of, 1,000 feet northwest of Big Sandy Creek crossing, rock in forks of road; aluminum tablet stamped "6653 RL"-----	6, 661. 657
Ten Trees, 8.4 miles southeast of, 20 feet west of road; iron post stamped "6728 RL"-----	6, 737. 335
Ten Trees, 5.1 miles southeast of, 6 feet east of road; iron post stamped "6844 RL"-----	6, 850. 790
Ten Trees, 2.2 miles southeast of, 30 feet east of road, on slight summit (witness rock at side); aluminum tablet stamped "6774 RL"-----	6, 782. 981
Ten Trees, 0.25 mile northwest of, 300 feet west by 20 feet north of road on bluff (beside rock mound); aluminum tablet stamped "6827 RL"-----	6, 836. 220
Ten Trees, 2.5 miles north of, 20 feet east of road, on divide; iron post stamped "6933 RL"-----	6, 941. 611
Ten Trees, 6 miles north of, 150 feet north of road, in sandstone ledge (marked by rock mound); aluminum tablet stamped "6932 RL"-----	6, 940. 610

	Feet.
Mud Springs, 5.4 miles southwest of, 20 feet east of road, on divide; iron post stamped "7080 RL"-----	7,088.835
Mud Springs, 2.5 miles south of, 20 feet east of road, on divide; iron post stamped "7160 RL"-----	7,168.888

**DANIEL QUADRANGLE.**

[Latitude 42° 30'–43°; longitude 110°–110° 30'.]

From point 4 miles south of Big Piney post office, north along road to Cora.

Big Piney, 1.7 miles south of, 500 feet south of Fish Creek bridge, 5 feet west of fence, 30 feet east of road; iron post stamped "6801"-----	6,800.882
Big Piney, 1 mile north of, 600 feet north of south edge of bench, 2 feet east of wire fence, 30 feet west of road; iron post stamped "6868"-----	6,867.986
Big Piney, 5.1 miles north of, 30 feet west of road; iron post stamped "6856"-----	6,855.653
Big Piney, 8 miles north of, 0.5 mile northeast of old cabin and barn, 0.5 mile west of Muddy Creek, 0.5 mile south of ranch, 10 feet northwest of road, 4 feet south of rock (presumably on Uinta- Fremont county line); iron post stamped "6908"-----	6,907.712
Muddy Creek, at crossing; surface of water October 19, 1906-----	6,910
Ball, 2.6 miles south of, 2 miles north of Muddy Creek crossing, 30 feet east of road; iron post stamped "6986"-----	6,986.037
Ball post office; iron post stamped "7066"-----	7,066.328
Ball, 2.8 miles north of, 60 feet west of road, on small divide; iron post stamped "7088"-----	7,087.847
Ball, 6.4 miles north of, 1 mile south of Horse Creek divide, 20 feet west of road; iron post stamped "7269"-----	7,269.279
Daniel, 5 feet east of southeast corner of store and post-office build- ing; iron post stamped "7192"-----	7,191.709
Daniel, 3.4 miles northeast of, in forks of road; iron post stamped "7182"-----	7,182.896

**FRANCIS QUADRANGLE.**

[Latitude 42°–42° 30'; longitude 109°–109° 30'.]

From point 9 miles north of the Well northwest along road to point 2 miles  
southwest of Francis & Cox ranch house.

Francis ranch house, 9.9 miles south of, 2 miles southwest of Wash- ington ranch, 30 feet west of road, in rock; aluminum tablet stamped "6564 RL"-----	6,573.567
Francis ranch house, 6.9 miles south of, 25 feet west of road, in rock on ridge; aluminum tablet stamped "6595 RL"-----	6,604.409
Francis ranch house, 4 miles south of, 3 miles south of Billing ranch, 0.2 mile north of Little Sandy Creek crossing, 30 feet east of road, on east edge of second bench, in rock; aluminum tablet stamped "6577 RL"-----	6,586.407
Francis ranch house, 0.8 mile southeast of, at northeast corner of fence, 40 feet west of road; aluminum tablet stamped "6616 RL"-----	6,625.095
From point 7 miles southeast of Jewell lower ranch cabin by road to point 10 miles west of Jewell upper ranch.	
Jewell lower ranch cabin, 4 miles east of, 200 feet west of Lander Creek crossing, in forks of Lander Cut-Off and Pacific roads; alumi- num tablet stamped "7646 RL"-----	7,654.235



	Feet.
Jewell lower ranch cabin, 0.5 mile southeast of, in granite rock, 15 feet north of road, marked by rock mound; aluminum tablet stamped "7890 RL"-----	7, 897. 804

## GRANGER QUADRANGLE.

[Latitude 41° 30'-42°; longitude 109° 30'-110°.]

From Green River along road up Green River to Case ranch and ferry.	
Green River, 3.8 miles northwest of, 60 feet southwest of high-water road at top of hill east of river; in sand rock on narrow ridge; aluminum tablet-----	6, 302. 078
Green River, third crossing west of; surface of water in Green River September 26, 1906-----	6, 101.
Green River, 6.9 miles northwest of, 500 feet west of third crossing of river, 100 feet southwest of low-water road, in sandstone 4 by 4 by 6 feet, rock mound on top; aluminum tablet-----	6, 123. 974
Green River, 9.1 miles northwest of, west of river, 0.2 mile south of ranch house, 40 feet south of road; iron post-----	6, 142. 258
Green River, 11.6 miles northwest of, west of river, 30 feet south of road; iron post-----	6, 174. 842
Green River, at fourth crossing; surface of water September 27, 1906-----	6, 140
Green River, 14.3 miles northwest of, east of river, 150 feet east of fifth crossing of river, 150 feet northeast of road, on second bench; iron post-----	6, 165. 937
Green River, at fifth crossing; surface of water-----	6, 146
Green River, 17.3 miles northwest of, west of river, 150 feet east of where road leaves third bench and descends, 150 feet north of road; iron post-----	6, 248. 862
Green River, 20.4 miles northwest of, 100 feet west of river, 25 feet west of road; iron post-----	6, 209. 470
Green River, 25.3 miles northwest of, west of river, opposite mouth of draw, 30 feet south of road; iron post-----	6, 241. 997
Green River, 28.1 miles northwest of, 3 miles below mouth of Sandy Creek, 400 feet west of river, 75 feet west of road; iron post-----	6, 256. 776
Green River, 30.6 miles northwest of, 0.25 mile south of Lombard ferry, 1,000 feet south of ford, in forks of old road, on north edge of second bench; iron post-----	6, 268. 062
Green River, 33.7 miles northwest of, 0.8 mile west of Lombard Ferry ranch, 25 feet north of road, on second bench; iron post-----	6, 297. 627
Green River, 36.8 miles northwest of, west of river, 0.5 mile west of road forks, 20 feet south of lower river road, on second bench; iron post-----	6, 323. 011
Green River, 40.3 miles northwest of, east of river, 8 miles north of Lombard ferry, 20 feet south of road, on sand hill; iron post-----	6, 360. 638
Green River, 44 miles northwest of, 3 miles east of Slate Creek, 2.5 miles northwest of dipping pens, 0.5 mile north of road, 600 feet south of river bank, on north edge of second bench; iron post-----	6, 382. 416
Green River, 46.5 miles northwest of, 2 miles southeast of Case ferry and ranch, 1,000 feet north of river, 30 feet east of road, on second bench; iron post-----	6, 396. 187
Case ranch and ferry, at southwest corner of porch of house; iron post-----	6, 393. 785
Green River, at Case ferry; surface of water October 6, 1906-----	6, 386

**GREEN RIVER 30' QUADRANGLE** (includes Pilot Butte, Rock Springs, and Table Mountain 15' quadrangles.)

[Latitude 41° 30'–42°; longitude 109°–109° 30'.]

**From Rock Springs along Union Pacific Railroad to Green River.**

	Feet.
Rock Springs, on north side of station, in water table 22 inches above surface of ground, 22 inches from northwest corner of bay window; square cut and lettered "U.S.□B.M." (C. & G. S. L 3)-----	6, 265. 718
Rock Springs, in west end of Union Pacific R. R. park, west of station, 12 feet from west fence, in line with three hydrants in park, in top of stone post 4.5 feet long, top 6 by 6 inches set 4 feet in ground; bottom of square hole, lettered "U.S.□B.M." (C. & G. S. M 3)-----	6, 262. 931
Rock Springs, in stone wall of city hall, 6 inches from pillar at north side of west entrance, 4 feet above ground; copper bolt stamped "U.S.⊕B.M." (C. & G. S. N 3)-----	6, 277. 136
Rock Springs, in stone wall of high school building, north side, 40 feet west of northeast corner, 6 feet west of north entrance, 6 feet above ground, 16 inches above and to left of first window west of north entrance; copper bolt stamped "U.S.⊕B.M." (C. & G. S. O 3)-----	6, 289. 410
Wilkins, 1.8 miles east of, 15 rails east of east side of pump house, 45 feet south of center of track, in line with telegraph poles; bottom of square hole in top of stone post lettered "U.S.□B.M." (C. & G. S. P 3)-----	6, 202. 476
Green River, west end of Union Pacific R. R. park, 12 feet from fence, equidistant from north and south sides; bottom of square hole in top of stone post, lettered "U.S.□B.M." (C. & G. S. Q 3)---	6, 087. 609
Green River, in sandstone water table of county courthouse, 4 feet north of southeast corner, 4 feet above ground; copper bolt stamped "U.S.⊕B.M." (C. & G. S. R 3)-----	6, 119. 516
Green River, in west wall of Sweetwater Brewing Co.'s stone office and saloon, 16 inches from southwest corner, 4 feet above ground; copper bolt stamped "U.S.⊕B.M." (C. & G. S. S 3)-----	6, 098. 587
Green River, south end of middle red sandstone pier of Union Pacific R. R. bridge; bottom of square hole, lettered "U.S.□B.M." (C. & G. S. T 3)-----	6, 088. 233

**From Rock Springs north along road to point 9 miles north of the Well.**

Rock Springs, 1.6 miles north of, 30 feet east of road, in wall of stone house; aluminum tablet stamped "6268 RL"-----	6, 277. 584
Rock Springs, 4.3 miles north of, 200 feet southeast of forks of road, 0.25 mile north of Killpecker Creek, 20 feet east of road; iron post stamped "6353 RL"-----	6, 362. 828
Fourteen Mile ranch, 6.3 miles south of, 15 feet east of road; iron post stamped "6543 RL"-----	6, 552. 717
Fourteen Mile ranch, 3.2 miles south of, 20 feet east of road; iron post stamped "6513 RL"-----	6, 522. 321
Fourteen Mile ranch or P. F. Dorrence ranch, also known as Grange Springs, north side of rock house, 6 feet east of kitchen door; aluminum tablet stamped "6661 RL"-----	6, 670. 434
The Well, 10.4 miles south of, 20 feet west of road; iron post stamped "7156 RL"-----	7, 165. 309
The Well, 6.6 miles south of, 50 feet west of road; iron post stamped "6999 RL"-----	7, 008. 437

	Feet.
The Well, 3.1 miles south of, 20 feet east of road; iron post stamped "6922 RL"-----	6, 931. 074
The Well, at southwest corner of Zambin house; iron post stamped "6992 RL"-----	7, 000. 982
The Well, 2.4 miles north of, 20 feet east of road; iron post stamped "6974 RL"-----	6, 983. 169
The Well, 5.3 miles north of, in road forks; iron post stamped "6760 RL"-----	6, 769. 516

From point 4.8 miles north of Rock Springs northeast along road into T. 23 N.,  
R. 103 W.

T. 20 N., R. 105 W., near south line of, 6.9 miles north of Rock Springs, 15 feet west of road, 1 foot north of forks; iron post stamped "6360"-----	6, 360. 496
T. 20 N., R. 105 W., near center of, 9.5 miles north of Rock Springs, 35 feet west of road on east side of Killpecker Creek; top of iron post stamped "6383"-----	6, 384. 314
T. 20 N., R. 105 W., about southeast corner of sec. 36, 12.5 miles north of Rock Springs, 30 feet west of road on east side of Killpecker Creek; top of iron post stamped "6428"-----	6, 429. 270
T. 21 N., R. 105 W., southeast corner of sec. 25, 13.5 miles north of Rock Springs, 15 feet west of road east of Killpecker Creek, at forks of road leading east and west to Long Canyon; aluminum tablet stamped "6454"-----	6, 455. 513
T. 21 N., R. 104 W., NE. $\frac{1}{4}$ sec. 17, 17.5 miles north of Rock Springs, 30 feet east of road east of Killpecker Creek; aluminum tablet stamped "6522"-----	6, 523. 382
T. 22 N., R. 104 W., SW. $\frac{1}{4}$ sec. 34, 20.5 miles north of Rock Springs, 25 feet west of road on east side of Killpecker Creek; iron post stamped "6622"-----	6, 623. 192
T. 22 N., R. 104 W., NE. $\frac{1}{4}$ sec. 23, 7 feet west of road on east side of Killpecker Creek; iron post stamped "6721"-----	6, 722. 256
T. 22 N., R. 104 W., near southwest corner of sec. 1, 5 feet west of road on east side of Killpecker Creek; iron post stamped "6765"-----	6, 766. 223
T. 23 N., R. 103 W., NW. $\frac{1}{4}$ sec. 30, 5 feet north of road on east side of Killpecker Creek; iron post stamped "6817"-----	6, 818. 222
T. 23 N., R. 103 W., NW. $\frac{1}{4}$ sec. 21, northeast cornerstone of Joe Cookston's ranch house, 25 feet east of road, east of road through Nicht Gulch; aluminum tablet stamped "6988"-----	6, 989. 150
T. 23 N., R. 103 W., north part of SE. $\frac{1}{4}$ sec. 26, 15 feet east of road leading toward North Table Mountain; iron post stamped "7134"-----	7, 135. 183

#### LANDER QUADRANGLE.

[Latitude 42° 30'-43°; longitude 108° 30'-109°.]

From Shoshone Agency along road through Lander to Atlantic City.

Shoshone Agency, in northeast corner of stone warehouse; aluminum tablet stamped "5583 RL"-----	5, 590. 870
Shoshone Agency, 3.2 miles southeast of, 30 feet west of road, 3 feet north of telephone pole; iron post stamped "5550"-----	5, 557. 584
Shoshone Agency, 6 miles southeast of, 50 feet west of road, on summit of road at divide between Wind River and north fork of Popo Agie River, at foot of telephone pole; iron post stamped "5782 RL"-----	5, 740. 042

	Feet.
Shoshone Agency, 9.5 miles southeast of, 200 feet west of road, 1,000 feet north of bridge over North Fork of Popo Agie River, on second bench, in top of 18 by 18 by 15 inch limestone rock; aluminum tablet stamped "5506 RL"-----	5, 513. 292
North Fork of Popo Agie River, at bridge; surface of water-----	5, 478
Lander, 2 miles northwest of, in southwest corner of Burch stone house; aluminum tablet stamped "5458 RL"-----	5, 465. 34
Lander, in northeast corner of brick school building; aluminum tablet stamped "5353 RL"-----	5, 360. 566
Lander, in northwest corner of Fremont Hotel; aluminum tablet stamped "6345 RL"-----	5, 352. 507
Pleasant Valley district school No. 3, south of road, 700 feet east of Dutch Flat Creek; iron post stamped "5335 RL"-----	5, 343. 323
Pleasant Valley district school No. 3, 2.7 miles southeast of, 100 feet east of road, on ridge, in rock; aluminum tablet stamped "5469 RL"-----	5, 476. 983
Reids schoolhouse, 0.5 mile southwest of, in corner stone; aluminum tablet stamped "5464 RL"-----	5, 472. 330
Clark's ranch 600 feet north of, at mail post, 20 feet south of road; iron post stamped "5513 RL"-----	5, 520. 668
Clark's ranch, 2.2 miles south of, 0.2 mile south of Little Popo Agie River, 15 feet east of road, in large rock; aluminum tablet stamped "5629 RL"-----	5, 637. 024
David Tweed's house, 150 feet east of, 150 feet west of road, 75 feet east of ditch, 3 feet north of private road, in sandstone rock; aluminum tablet stamped "5782 RL"-----	5, 789. 897
William Tweed's house, 300 feet east of, 10 feet west of road at mail box; iron post stamped "6265 RL"-----	6, 272. 802
William Tweed's house, 2.4 miles southwest of, on divide between Red Canyon Creek and Twin Creek, 10 feet south of road, in granite ledge; aluminum tablet stamped "7271 RL"-----	7, 278. 762
William Tweed's house, 6 miles southwest of, 250 feet northeast of crossing of Twin Creek, 1,000 feet north of divide between Twin and Beaver creeks, 200 feet east of east boundary Yellowstone Forest Reserve, 20 feet north of road; aluminum tablet stamped "8021 RL"-----	8, 029. 346
Mary Jane mine, (P. J. O'Mera), 50 feet south of shaft and engine house, quarter corner sec. 19, T. 30 N., R. 99 W., east boundary Yellowstone Forest Reserve, in rock; aluminum tablet stamped "7861 RL"-----	7, 868. 884
Atlantic City, 3.3 miles north of, 800 feet northwest of cabin on hill, 40 feet east of timber, 40 feet west of road, in rock; aluminum tablet stamped "8222 RL"-----	8, 230. 359
Atlantic City, 10 feet south by 10 feet west of post-office door, at porch; iron post stamped "7675 RL"-----	7, 683. 033

## LECKIE QUADRANGLE.

[Latitude 42° 30'–43°; longitude 109°–109° 30'.]

From point 2.2 miles southeast of Olson, southeast along road to point 1 mile southwest of Jewell upper ranch.

Olson, 6.9 miles south of, at intersection of road from Boulder ranch, 300 feet south of Muddy Creek, 5 feet west of mail box; iron post stamped "7208 RDLG"-----

7, 216. 768

	Feet.
Olson, 9.3 miles south of, 250 feet west of Moss Johnson's pasture fence corner, at turn east in road, 230 feet west of road, in large granite ledge; aluminum tablet stamped "7286 RDLG"-----	7, 294. 002
Olson, 11.6 miles south of, on ridge 1 mile southwest of house, 2.5 miles north of Sandy Creek, 35 feet west of road; iron post stamped "7265 RDLG"-----	7, 273. 073
Leckie, 5.3 miles north of, 300 feet east of Sandy Creek, 250 feet southwest of D. N. Clark's house, 50 feet east of road, at quarter section corner; iron post stamped "7180 RDLG"-----	7, 194. 763
Leckie, 3.3 miles northwest of, on top of hill, 50 feet west of road, in granite rock; aluminum tablet stamped "7678 RDLG"-----	7, 686. 628
Leckie, at southeast corner of post office and store building, 15 feet south of door; iron post stamped "7828 RDLG"-----	7, 836. 143
Leckie, 2.5 miles east of, 15 feet south of summit of road; iron post stamped "8121 RL"-----	8, 128. 644
Leckie, 5.1 miles east of, 500 feet east of Little Sandy Creek, south of road on Continental Divide, in group of granite rocks; aluminum tablet stamped "8019 RL"-----	8, 026. 640
Jewell upper ranch, 3.5 miles west of, 1,000 feet southwest of Lander Creek, 40 feet southwest of road, in granite rock; aluminum tablet stamped "7971 RL"-----	7, 979. 467
Jewell upper ranch, 0.8 mile southwest of, 200 feet north of road, in granite ledge; aluminum tablet stamped "7889 RL"-----	7, 897. 060

## NEWFORK QUADRANGLE.

[Latitude 42° 30'-43°; longitude 109° 30'-110°.]

From point 2 miles south of Mudd Springs to Cora and point 3.3 miles southwest of Cora.

Newfork, 13.8 miles southeast of, 1 mile north of Mud Springs draw, in road forks; iron post stamped "7241 RL"-----	7, 250. 094
Newfork, 10.5 miles southeast of, on divide between Newfork and Big Sand creeks, 10 feet west of road south, 0.5 mile south of forks of road; iron post stamped "7373 RL"-----	7, 382. 123
Newfork, 9.5 miles southeast of, 20 feet east of road, 700 feet west of Sand Creek, 800 feet west of peculiar-colored clay banks; iron post stamped "7219 RL"-----	7, 227. 981
Newfork, 6.8 miles southeast of, in fork of road and old Lander trail; iron post stamped "7124 RL"-----	7, 132. 179
Newfork, 3.9 miles southeast of, 800 feet southeast of draw, 100 feet south of road on knoll; iron post stamped "7094 RL"-----	7, 102. 502
Newfork, northeast corner of J. Vible's store, in top of granite boulder 4 inches out of ground; aluminum tablet stamped "6921 RDLG"-----	6, 929. 185
Bowlder, in front of post office and S. L. Spicer's store, 3 feet west of east door; iron post stamped "7009 RDLG"-----	7, 017. 933
Bowlder, 3 miles north of, 20 feet west of road at fence, 1,800 feet south of forks of road, in granite bowlder; aluminum tablet stamped "7008 RDLG"-----	7, 016. 251
Pinedale, 7 miles south of, 30 feet east of gate at fence corner, in granite bowlder; aluminum tablet stamped "7058 RL"-----	7, 066. 873

Feet.

Pinedale, 4.5 miles south of, 150 feet south of forks of road, 400 feet east of road, in granite ledge; aluminum tablet stamped "7171 RL" -----	7, 180. 040
Pinedale, 2.5 miles southeast of, in forks of road, in granite bowlder; aluminum tablet stamped "7180 RL"-----	7, 188. 924
Pinedale, in front of "The Pinedale Roundup" post office and newspaper office; iron post stamped "7167 RL"-----	7, 175. 381
Cora, 5 miles south of, at fence corner, 5 feet west of road, in granite bowlder; aluminum tablet stamped "7200 RL"-----	7, 208. 954
Cora, 2.8 miles south of, southwest corner of Miller's house, 100 feet east of road, in granite rock; aluminum tablet stamped "7231 RL"-----	7, 239. 870
Cora, 1 foot out from gallery in front of J. H. Bemis's store and post office; iron post stamped "7299 RL"-----	7, 307. 314
Cora, 3.3 miles southwest of, 0.2 mile north of divide, 30 feet north of road, on ridge; iron post stamped "7465"-----	7, 465. 271

From Newfork east along road to point 2.2 miles southeast of Olson.

Newfork, 3.2 miles southeast of, on summit, in granite rock 14 inches out of ground; aluminum tablet stamped "7259 RDLG"-----	7, 267. 698
Newfork, 7.2 miles southeast of, 800 feet north of creek, 75 feet southwest of Doc Gilligan's house, 20 feet south of road, in ledge of granite rock; aluminum tablet stamped "7075 RDLG"-----	7, 083. 401
Olson, 1 mile southwest of, at gate 200 feet northeast of Barney Tibble's house; iron post stamped "7135 RDLG"-----	7, 143. 255
Olson, 2.2 miles south of, 60 feet southeast of east fork bridge, 2 feet west of fence corner, 25 feet east of road; iron post stamped "7165 RDLG"-----	7, 173. 135

#### ROCK SPRINGS QUADRANGLE.

[Latitude 41° 30'—41° 45'; longitude 109°—109° 15'.]

From Baxter north along road to sec. 14, T. 20 N., R. 104 W., thence northeast to sec. 7, T. 20 N., R. 103 W., thence southeast to Union Pacific Railroad and east to Salt Wells.

T. 13 N., R. 104 W., quarter corner between secs. 13 and 14; iron post marked "6306"-----	6, 307. 780
Baxter, 1.8 miles north of, at corner of secs. 10, 11, 14, and 15, T. 19 N., R. 104 W.; standard land-corner post marked "6373"-----	6, 374. 387
Baxter, 2.6 miles north of, at quarter corner between secs. 10 and 11, T. 19 N., R. 104 W.; standard land-corner post marked "6423"-----	6, 424. 697
Baxter, 4 miles north of, at quarter corner between secs. 15 and 22, T. 20 N., R. 104 W.; standard land-corner post marked "6388"-----	6, 389. 632
Baxter, 5.1 miles north of, at corner of secs. 25, 26, 35, and 36, T. 20 N., R. 104 W.; standard land-corner post marked "6402"-----	6, 403. 235
Baxter, 5.6 miles north of, at quarter corner between secs. 25 and 26, T. 20 N., R. 104 W.; standard land-corner post marked "6416"-----	6, 417. 377
Baxter, 6.1 miles north of, at corner of secs. 23, 24, 25, and 26, T. 20 N., R. 104 W.; standard land-corner post marked "6420"-----	6, 420. 987
Baxter, 7.2 miles north of, at quarter corner between secs. 13 and 14, T. 20 N., R. 104 W.; standard land-corner post marked "6437"-----	6, 438. 421
T. 20 N., R. 103 W., east side of sec. 7, 9.2 miles north of Baxter, 80 feet east of road, at point of hill; iron post stamped "6543"-----	6, 543. 934

	Feet.
T. 20 N., R. 103 W., sec. 28, 12 miles from Baxter, 400 feet from and opposite to point of hill running north-south, 3.5 miles straight up canyon which intersects Union Pacific R. R. track, 1 mile west of Salt Wells station; iron post stamped "6386"-----	6, 387. 312
T. 19 N., R. 103 W., quarter corner of secs. 3 and 4, in center of large bare space opposite shallow draw to east; quarter corner stone-----	6, 352. 20
Salt Wells, 1.5 miles west of, 200 feet north of track, in line with signal stands 7970 and 7971, 6 rails west of signboard "Salt Wells 1 mile"; iron post stamped "6374"-----	6, 375. 128
From point near Rock Springs to Rock Springs, thence southeast along highway to sec. 21, T. 18 N., R. 103 W., thence to sec. 22 of same township.	
Rock Springs, 2 miles west of, in line with telegraph poles, on south side of tracks, 33 feet west of pole marked "812"; top of 1½-inch pipe-----	6, 225. 64
Rock Springs, 1 mile west of, in line with telegraph poles, on south side of tracks, 30 feet west of pole marked "811"; top of 1½-inch pipe-----	6, 234. 90
Rock Springs, in west end of Union Pacific R. R. station park, 12 feet from fence, in line with 3 hydrants, in top of 6 by 6 inch stone post set 4 feet in ground; bottom of square hole, lettered "B. M." (C. & G. S. b. m. M 3)-----	6, 262. 931
Rock Springs, 0.5 mile from city hall, 20 feet north of road, opposite west fence of green house, T. 19 N., R. 105 W.; standard land-corner post marked "6297"-----	6, 298. 490
Rock Springs, 1 mile south of, south of road, in bottom of pole under signboard; bolt marked "6346"-----	6, 347. 76
Rock Springs, 1.8 miles southeast of, 70 feet south of road, at west end of rock-pointed hill, on top of flat rock 2 feet high; chiseled square marked "6442"-----	6, 443. 28
Rock Springs, 3 miles southeast of, at foot of north side of valley, 250 feet north of road at point where latter runs over point of sharp hill, in rock; tablet stamped "6567"-----	6, 568. 221
Rock Springs, 6.2 miles southeast of, 80 feet north of road, on summit of ridge, near foot of hill where road drops into Baxter Basin, opposite point of hill south of road; iron post stamped "6678"-----	6, 679. 151
Rock Springs, 9 miles southeast of, 100 feet north of road on top of ridge, north of and nearly opposite point of mountain to south; iron post stamped "6608"-----	6, 609. 492
T. 18 N., R. 103 W., NW. ¼ SW. ¼ sec. 27, 400 feet west of old road, approximately 1 mile north of point where Mud Springs road crosses rim of basin, on west side of canyon; iron post stamped "6699"-----	6, 700. 615

## SOUTH PASS QUADRANGLE.

[Latitude 42°-42° 30'; longitude 108° 30'-109°.]

From Atlantic City southwest along road to Sweetwater River, thence northwest to point 7 miles southeast of Jewell lower ranch cabin.

Atlantic City, 2.3 miles southwest of, on divide between Rocky and Willow creeks, 100 feet south of road; aluminum tablet stamped "8162 RL"-----	8, 170. 403
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	Feet.
South Pass, 10 feet south by 15 feet west of post-office door, at porch; iron post stamped "7796 RL"-----	7, 803. 865
South Pass, 2.9 miles southwest of, west end of rocky spur, 30 feet east of road, in granite rock; aluminum tablet stamped "7850 RL"-----	7, 858. 221
South Pass, 5.5 miles southwest of, on divide between Fish Creek and Sweetwater River, 10 feet west of road marked by rock mound; iron post stamped "7824 RL"-----	7, 831. 983
Sweetwater River; bridge floor-----	7, 445
Sweetwater River bridge, 0.3 mile south of, at forks of road on top of first hill; iron post stamped "7569 RL"-----	7, 576. 828
Jewell lower ranch cabin, 8.5 miles east of, 3.5 miles west of Sweetwater bridge, 10 feet north of road on Continental Divide; iron post stamped "7635 RL"-----	7, 642. 883

## TABLE MOUNTAIN QUADRANGLE.

[Latitude 41° 30'–41° 45'; longitude 109° 15'–109° 30']

From sec. 4, T. 17 N., R. 106 W., north to point near Union Pacific Railroad  
3 miles west of Rock Springs.

Miller's Canyon, 4 miles northwest of, north side of valley, 600 feet west of point where creek leaves foot of ridge and turns toward road and on line with center of draw through which road runs after leaving creek valley; bottom of chiseled square on rock, painted "U.S.□B.M. 6393"-----	6, 394. 31
T. 18 N., R. 105 W., sec. 33, 4.8 miles northwest of Miller's Canyon, at foot of hill, 2 feet above ground, on east side of valley, 1 mile west of point where road leaves Little Bitter Creek valley, in top of flat rock; tablet stamped "6365"-----	6, 366. 224
Miller's Canyon, 6.1 miles northwest of, at foot of rocky hill on west side of small break in side of valley; chiseled square on flat rock, marked "U.S.□B.M. 6343"-----	6, 344. 32
Union Pacific R. R., 2 miles south of, up Little Bitter Creek valley, at foot of hill east side of valley, 200 feet north of break in hillside, opposite shallow canyon on west side of valley; chiseled square on boulder, marked "6307 U.S.□B.M."-----	6, 308. 41
T. 18 N., R. 105 W., sec. 9, 1 mile above Union Pacific R. R. and Little Bitter Creek, in solid rock which forms point of rocky hill on east side of valley, at point where valley begins to narrow; tablet stamped "6280"-----	6, 281. 191
Rock Springs, 3 miles west of, on east side of Little Bitter Creek valley, forming point of second small hill about 0.5 mile above Union Pacific R. R. tracks, on high point of boulder; bottom of chiseled square, marked "6245 U.S.□B.M."-----	6, 246. 58

## VIOLA QUADRANGLE.

[Latitude 42°–42° 30'; longitude 110°–110° 30']

From Case ferry along road up Green River to point 4 miles south of Big Piney.

Case ferry, 3.2 miles north of, 0.5 mile south of Steps ranch, 200 feet west of fence, 300 feet east of road forks, 75 feet north of hill, 50 feet northeast of road; iron post-----	6, 476. 454
Case ferry, 6.6 miles north of, at southeast corner of bunk house on Daniel O'Rherson's ranch; iron post stamped "6459"-----	6, 459. 634



	Feet.
Denver's ranch house, 0.8 mile southwest of, 200 feet west of gate to same, 75 feet south of fence, 200 feet east of rocky cliff, at mouth of draw; iron post-----	6, 530. 578
Green River, at crossing below Anderson Island; surface of water October 9, 1906-----	6, 471
Green River, above Anderson Island; surface of water October 10, 1906-----	6, 489
Walter's ranch, 1 mile northwest of, 1,000 feet west of head gate to Walter's ditch, 100 feet west of ford, in forks of road; iron post--	6, 495. 440
Green River, above Nelson's; surface of water October 10, 1906-----	6, 503
Green River, at Names Hill crossing; surface of water October 11, 1906-----	6, 506
Names Hill crossing of Green River, 0.5 mile north of, 200 feet west of Delaney's gate, 50 feet east of rock cliff, 600 feet west of river, 800 feet north of forks of road; aluminum tablet stamped "6528"--	6, 528. 792
Stead ranch house, 0.8 mile west of, 10 feet east of gate, 10 feet south of south gate to Spur Ranch, at end of public road; iron post stamped "6604"-----	6, 604. 121
Spur ranch house, 2 miles north of, 300 feet west of river, 50 feet west of road; iron post stamped "6584"-----	6, 584. 582
Charles Bird's ranch house, 1.2 miles south of, in fork of Kemmerer stage road and River road; iron post stamped "6635"-----	6, 635. 402
Midway, 2.4 miles south of, 500 feet southeast of angle in fence and telephone line, 200 feet east of fence; aluminum tablet stamped "6707" (marked by rock mound)-----	6, 707. 137
Midway (McGinnis ranch), 3 feet west of southwest corner of house; iron post stamped "6652"-----	6, 652. 633
Midway, 3.1 miles north of, 30 feet east of road, 100 feet north of small draw, 20 feet north of old crossroads; iron post stamped "6722"-----	6, 722. 296
Midway, 6.2 miles north of, 2 miles north of Dry Piney Creek, 30 feet west of road; iron post stamped "6758"-----	6, 757. 886
Midway, 9.2 miles north of, 20 feet south of ditch, 100 feet northeast of ditch crossing, 50 feet north of road; iron post stamped "6771"--	6, 771. 347
<b>Aspen Mountains, Mazon, South Bitter Creek, Bridger, Cokeville, Evanston, Montpelier, Randolph, Saleratus Pass, and Twin Buttes quadrangles.</b>	

## SWEETWATER, LINCOLN, AND Uinta COUNTIES.

Most of the elevations in the following list are based upon a bronze tablet stamped "6752 Evan" in south side of courthouse yard at Evanston, the elevation of which is now accepted as 6,753.966 feet above mean sea level. The elevations in the Cokeville, Montpelier, Randolph, and Saleratus Pass quadrangles are part of the levels run in 1909 in Idaho, Utah, and Wyoming and are based on bench mark "J" of the Coast and Geodetic Survey near Onyx, Bannock County, Idaho. From Onyx the line was run over the Oregon Short Line R. R. to a point 3.5 miles south of Montpelier, thence south along road through Laketown and Randolph, Utah, to Evanston, Wyo., closing on the Coast and Geodetic Survey bench mark at that point.

The leveling was done in Cokeville, Montpelier, and Randolph quadrangles in 1909 by L. F. Biggs; in Bridger quadrangle in 1897-98 by E. W. Hills, and in 1905 by J. H. Kent; in Evanston quadrangle in 1897-98 by Hills, and in 1901-2 by E. W. Glafcke; in Aspen Mountains and Twin Buttes quadrangles in 1905 by J. H. Kent; and in Saleratus Pass quadrangle in 1898 by Hills, and in 1909 by Biggs.

For additional elevations in Randolph and Saleratus Pass quadrangles, Utah, and Montpelier quadrangle, Idaho, see Bulletins 566 and 567, respectively.

Leveling was also done in Aspen Mountains, Maxon, and South Bitter Creek quadrangles in 1908 by J. D. Weems, of the Fuel Section of the Geologic Branch.

#### ASPEN MOUNTAINS QUADRANGLE.

[Latitude  $41^{\circ} 15' - 41^{\circ} 30'$ ; longitude  $109^{\circ} - 109^{\circ} 15'$ .]

##### Part of line from Lonetree to Bridgeport.

(For other parts see Twin Buttes quadrangle, Wyo., and Marsh Peak and Browns Park quadrangles, Utah.)

Green River, 2 miles east of, where spur comes close to road, 20 feet south of trail, in canyon; iron post stamped "6027"-----	6, 026. 625
Driscolls Gap, 3 miles west of, 25 feet south of trail, on white Carmen Flat; iron post stamped "6275"-----	6, 274. 343
Spring Creek and Driscolls Gap, near, at point of spur, 30 feet north of road; iron post stamped "6379"-----	6, 377. 407
Head of Spring Creek Canyon, near, 3 miles east of Driscolls Gap, 20 feet north of road; iron post stamped "6589"-----	6, 588. 460
Gablins Spring, 2 miles west of, 20 feet north of road, on summit, 1 mile west of canyon, near pile of stones; in stone tablet marked "7113"-----	7, 112. 735
Goslins Spring, near, 20 feet south of road, in stone near large pile of stones; tablet stamped "6705"-----	6, 704. 684
Red Creek, 1 mile from, 4 miles west of Ewings Canyon, on the second point from Red Creek, 29 feet north of trail; iron post stamped "6323"-----	6, 323. 177
Jessie Ewing Canyon, at head of, 20 feet south of road, in stone near pile of stones; tablet stamped "6991"-----	6, 990. 809

#### ASPEN MOUNTAINS 15' QUADRANGLE (Maxon 30' quadrangle).

From sec. 23, T. 16 N., R. 103 W., southwest along road to sec. 19, T. 15 N., R. 114 W., thence northwest to sec. 27, T. 17 N., R. 105 W.

T. 16 N., R. 103 W., NW. $\frac{1}{4}$ sec. 28, 3 miles west of intersection of Prettywater Creek and stage road, 30 feet east of road; iron post stamped "6899"-----	6, 900. 415
Cooper's ranch, 2.1 miles southwest of, SW. $\frac{1}{4}$ sec. 25, T. 16 N., R. 104 W., 30 feet north of center of road; iron post stamped "7128"-----	7, 129. 383
Brook's ranch, 0.3 mile northwest of, 1 foot above ground, on northeast corner of abandoned stone house; iron pin painted white and marked "U.S.B.M. 7248"-----	7, 248. 95

	Feet.
T. 15 N., R. 104 W., SW. $\frac{1}{4}$ sec. 3, 60 feet east of road, at head of north fork of Prettywater Valley, opposite and 0.8 mile from Brook's ranch; iron post stamped "7561"-----	7,562.373
Brook's lower ranch, 3 miles south of, sec. 21, T. 15 N., R. 104 W., 60 feet east of road, at point where road to Brook's upper ranch turns off to right; iron post stamped "7767"-----	7,767.600
Menkiney's ranch, 2 miles northeast of, sec. 19, T. 15 N., R. 104 W., 0.3 mile above point where creek turns into narrow canyon, 40 feet from creek bank, on west side; chisel mark on boulder, marked "U.S. $\square$ B.M. 7236"-----	7,237.00
Menkiney's ranch, 0.7 mile southeast of, 150 feet west of fence, 80 feet west of creek; chisel mark on boulder, marked with white paint "U.S. $\square$ B.M. 7115"-----	7,115.94
T. 15 N., R. 105 W., sec. 13, 82 feet from corner of house and 21 feet from corner of corral fence at Menkiney's ranch, 10 feet from center of road, in boulder; tablet stamped "7061"-----	7,062.304
Menkiney's ranch, 1.5 miles northwest of, 20 feet west of road, at point of hill where creek and road come near together; chisel mark on boulder, marked with white paint "U.S. $\square$ B.M."-----	6,974.45
T. 15 N., R. 105 W., sec. 3, 2.5 miles northwest of Menkiney's ranch, at bottom and at point of sharp hill, 125 feet above road, 300 feet west of point where fence would cross road if extended, in rock; tablet stamped "6915"-----	6,915.931
Menkiney's ranch, 3.5 miles northwest of, at foot of hill, at east end of place where road runs down near creek bottom, 40 feet south-west of road, on rock ledge formed by large boulder; chisel mark on boulder, marked "U.S. $\square$ B.M. 6846"-----	6,847.22
Menkiney's ranch, 4.6 miles northwest of, at point of hill, 50 feet west of road; chisel mark on small boulder, marked "U.S. $\square$ B.M. 6782"-----	6,782.98
T. 16 N., R. 105 W., sec. 28, 5.5 miles northwest of Menkiney's ranch, 140 feet west of road, directly opposite point of hill (rock) which extends toward creek at right angles to general direction of valley, in rock; tablet stamped "6741"-----	6,742.393
Menkiney's ranch, 7.8 miles northwest of, 300 feet east of road, at point of small hill which is covered with boulders; chisel mark on high point of boulder, marked "U. S. $\square$ B. M. 6681"-----	6,682.06
T. 16 N., R. 105 W., sec. 9, 8.3 miles northwest of Menkiney's ranch, 250 feet east of road directly opposite large canyon, on west side of creek and in line with high bare hill, in boulder; tablet stamped "6660"-----	6,661.375
Menkiney's ranch, 10 miles northwest of, 30 feet east of road, 100 feet west of point where road crosses shallow draw, on top of small boulder standing 1 foot above ground; chisel mark painted "U. S. $\square$ B. M. 6583"-----	6,583.70
T. 17 N., R. 105 W., sec. 27, 11.4 miles northwest of Menkiney's ranch, 100 feet east of road, in flat rock 4 feet above ground, rock forms point of west wall of short rocky canyon; tablet stamped "6554"-----	6,555.218

## MAXON 30' QUADRANGLE.

[Latitude 41°-41° 30'; longitude 109°-109° 30'.]

From sec. 27, T. 17 N., R. 105 W., northwest to sec. 4, T. 17 N., R. 106 W.

Miller's Canyon, on rock which forms exact point of hill, west wall, 12 feet from center of road north; chisel mark painted "6508 U.S. $\square$ B.M."-----	6,508.78
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Feet.

Miller's Canyon, 1 mile northwest of, at point of hill forming west side of canyon, south side of Bitter Creek valley, 20 feet south of road at point where road turns up into canyon to cross wash; chisel mark on boulder, painted "U.S.□B.M. 6486"-----	6, 487. 02
Miller's Canyon, 2 miles northwest of, near northwest corner of sec. 16, T. 17 N., R. 105 W., in rock at west end of rocky ridge, on west side of gap where road leaves creek valley to go over hills; tablet stamped "6468"-----	6, 469. 149
Miller's Canyon, 3 miles northwest of, 40 feet from foot of north side of valley about 4 feet above ground, 1.1 meters below point where road turns away from creek valley to go over hills; chisel mark on high boulder, painted "U.S.□B.M. 6422"-----	6, 422. 80

## SOUTH BITTER CREEK QUADRANGLE.

[Latitude 41°-41° 30'; longitude 108° 30'-109°.]

From sec. 30, T. 18 N., R. 100 W. southwest along road to sec. 5, T. 15 N., R. 102 W., thence northwest to sec. 23, T. 16 N., R. 102 W.

T. 17 N., R. 101 W., sec. 2, 6 miles southwest of Black Buttes, 40 feet east of road below high point of hill; iron post stamped "6863"-----	6, 864. 449
T. 17 N., R. 101 W., sec. 16, 9 miles southwest of Black Buttes, 40 feet east of road, 200 feet southwest of top of small hill; iron post stamped "6993"-----	6, 994. 491
T. 17 N., R. 101 W., sec. 30, 12 miles southwest of Black Buttes, 40 feet east of road; iron post stamped "7012"-----	7, 013. 775
T. 16 N., R. 102 W., sec. 11, 15 miles southwest of Black Buttes, 40 feet east of road; iron post stamped "6990"-----	6, 991. 751
T. 16 N., R. 102 W., sec. 22, 18 miles southwest of Black Buttes, 40 feet east of road, 1,000 feet east of point where valley passes through gap in small hill and falls rapidly; iron post stamped "6856"-----	6, 857. 534
T. 16 N., R. 102 W., sec. 33, 21.1 miles southwest of Black Buttes, 400 feet north of road, in sandstone cliff forming point of hill between two other points east and west; chiseled square marked "U.S.□B.M. 6805"-----	6, 806. 57
Mud Springs ranch (Erickson's), 1 mile east of, 40 feet south of road; chiseled mark on boulder, marked "U.S.□B.M. 6783"-----	6, 784. 30
Mud Springs ranch (Erickson's), 0.1 mile west of, in sec. 31, T. 16 N., R. 102 W., 30 feet south of road, 60 feet east of stone house, 10 feet west of fence running north-south, in top of boulder; tablet stamped "6771"-----	6, 772. 344
T. 16 N., R. 103 W., sec. 36, 1 mile west of Erickson's ranch, 40 feet north of stage road, on east end of rocky ridge; chisel mark on rock near top of small hill, painted "U.S.□B.M. 6758"-----	6, 759. 66
Mud Springs ranch (Erickson's), 3.6 miles west of, in sec. 23, T. 16 N., R. 103 W., 60 feet south of road, 100 feet east of Prettywater Creek; iron post stamped "6737"-----	6, 738. 150

## BRIDGER QUADRANGLE.

[Latitude 41°-41° 30'; longitude 110°-110° 30'.]

North down Smiths Fork to Robertson, thence west to Pine Grove.

Steel sawmills, 2.6 miles north of, 40 feet west of road, at intersection of old and new roads, 500 feet west of creeks, in large boulder; aluminum tablet stamped "8906 Evan"-----	8. 907. 737
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	Feet.
Old St. Louis sawmill site, 400 feet west of, 100 feet west of road, 1.6 miles north of Robins's sawmill, at small creek, in large boulder; aluminum tablet stamped "8547 Evan"-----	8, 549. 048
Old St. Louis sawmill, 5 miles north of, Willow Creek and Timber roads, 25 feet west of junction, 75 feet north of Willow Creek road, south edge of first aspen grove, large boulder; aluminum tablet stamped "7926 Evan"-----	7, 927. 778
Willow Creek and Smiths Fork bench roads, 100 feet west of road forks, 300 feet north of Cold Springs; iron post stamped "7733 Evan"-----	7, 734. 188
Robertson post office, 0.25 mile west of, 200 feet east of Robertson schoolhouse, at northwest corner of fence; iron post stamped "7348 Evan"-----	7, 349. 977
Pine Grove schoolhouse, 300 yards south of, 50 feet west of intersection of roads; iron post stamped "7504"-----	7, 505. 429
From State line northeast down Henrys Fork 4 miles to Bulloch's ranch, thence northwest crossing Sage, Cottonwood, and Dry creeks to point near Robertson post office.	
Henrys Fork, junction with West Fork, 0.25 mile northeast of, 500 feet north of State line, 200 feet southeast of main stream, in open sage-brush flat, in large morainal boulder; aluminum tablet stamped "8535 Evan"-----	8, 536. 847
Bulloch's ranch, 250 feet southeast of corner of pasture fence, 0.85 mile southeast of ranch house, 600 feet south of Henrys Fork, 100 feet south of road, in large boulder; aluminum tablet stamped "8026 Evan"-----	8, 027. 494
Bulloch's ranch, 3 miles northwest of, top of divide between Henrys Fork and Sage Creek, 0.25 mile east of old Thacker sawmill, 25 feet north of road, in large boulder; aluminum tablet stamped "8735 Evan"-----	8, 736. 876
Sage and Cottonwood creeks, top of divide between, 5 feet north of road, 1.25 miles west of Hickie's pasture on Sage Creek, in large boulder; aluminum tablet stamped "8129 Evan"-----	8, 130. 763
Cottonwood Creek, 1.4 miles west of, 30 feet north of road, top of divide between Cottonwood and Dry creeks, in large boulder; aluminum tablet stamped "8106 Evan"-----	8, 107. 257
Smiths Fork, 0.3 mile east of, about 2 miles southeast of Robertson post office, 3 miles west of Dry Creek, on edge of first bench above Smiths Fork, 40 feet south of road, in large glacial boulder; aluminum tablet stamped "7683 Evan"-----	7, 684. 945
From Judd Bulloch's ranch on Henrys Fork southeast along Vernal road to point near Burntfork.	
Lonetree post office, 100 feet south of Lonetree Mercantile Store building, 150 feet west of schoolhouse at corner of fence, in large boulder; aluminum tablet stamped "7546 Evan"-----	7, 547. 668
Lonetree, 3 miles east of post office, south side of county road, 0.25 mile west of ford on Beaver Creek, base of buck fence in lane, in large boulder; bronze tablet stamped "7500 Evan"-----	7, 501. 345
Lonetree, 5 miles east of post office, 200 feet north of road on hill, large boulder; bronze tablet stamped "7354 Evan"-----	7, 355. 744

Feet.

Burntfork post office, 2 miles south of, 300 feet south of house at Widdap's ranch, 400 feet west of road, in large bowlder; bronze tablet stamped "7294 Evan"----- 7,295.980

**From Carter southeast along roads to Lonetree.**

Carter, 400 feet north of track, 5 feet west of telegraph pole, in top of stone post; bottom of square cut (C. & G. S. B. M. I 6)----- 6,502.490  
 Carter, 3 miles southeast of, 40 feet southeast of road forks on summit; iron post stamped "6814 Adj. 1903"----- 6,816.381  
 Carter, 6 miles southeast of, 40 feet southeast of road from Carter to Fort Bridger, sand hill 75 feet high across road, on summit; marked "6727"----- 6,729.53  
 Intersection of road from Carter to Mountainview, inside wire fence in Harvey's garden; iron post stamped "6809"----- 6,810.528  
 Mountainview, 3 miles east of, inside wire fence opposite Stevens's blacksmith shop; iron post stamped "6656"----- 6,657.191  
 Mountainview, 6 miles southeast of, 30 feet southeast of road, opposite telephone pole 616; iron post stamped "6601"----- 6,602.540  
 Mountainview, 9 miles southeast of, 25 feet northeast of road, northwest side of Cottonwood Creek near mouth; iron post stamped "6859"----- 6,860.284  
 Road, 25 feet north of, where road forks near bridge over dry run; iron post stamped "7080"----- 7,081.126  
 Mouth of Henrys Fork canyon, 2 miles from, 30 feet east of road, at top of hill, 10 feet southeast of telephone pole marked "7601"; iron post stamped "7601"----- 7,602.389  
 Lonetree, 1.5 miles west of, where road turns east; iron post stamped "7576"----- 7,577.796

(NOTE.—The above line is unadjusted and closes with an elevation of 7,549,558 for the standard bench mark at Lonetree, the adjusted elevation of which is given in line following.)

**From Lonetree east along road to Burntfork.**

(The first 4.7 miles is adjusted and is mean of two lines.)

Lonetree, 100 feet south of Lonetree Mercantile Store, 150 feet west of schoolhouse, at fence corner, in top of bowlder; aluminum tablet stamped "7546"----- 7,547.668  
 Lonetree, 1.5 miles east of, south of road, at fence in lane, 0.25 mile west of Beaver Creek fork, in large bowlder, marked by a rock mound; bronze tablet stamped "7500"----- 7,501.269  
 Lonetree, 4.7 miles east of, 200 feet north of road, on hillside, in large bowlder; bronze tablet stamped "7354"----- 7,355.665

**COKEVILLE QUADRANGLE.**

[Latitude 42°—42° 30'; longitude 110° 30'—111°.]

**From point 5.6 miles southwest of Cokeville by road to Cokeville, thence north over Oregon Short Line Railroad.**

Cokeville, 4.9 miles south of, 15 feet west of road, at junction of road to west; iron post stamped "6207 B 1909 19"----- 6,209.290  
 Cokeville, 2.8 miles south of, east edge of road, opposite mouth of canyon, on bowlder; chisel point painted "6273 B. M. 138"----- 6,275.03  
 8068°—Bull. 558—13—8

	Feet.
Cokeville, 300 feet northwest of station, west edge of right of way, northeast corner of field; iron post stamped "6189 B 1909 20"-----	6, 191.188
Cokeville, 0.5 mile north of, northeast corner of steel bridge over creek, in cap; copper nail, aluminum tag stamped "6192 B. M. 140"-----	6, 193.95
Cokeville, 4.4 miles north of, east edge of right of way, at south end of gate to lane, 200 feet east of signpost "Marse Station," opposite fourth telephone pole north of milepost 88; iron post stamped "6116 B 1909 31"-----	6, 117.988

## EVANSTON QUADRANGLE.

[Latitude 41°-41° 30'; longitude 110° 30'-111°.]

From Evanston southeast to Hilliard, thence south via Bear River to mouth of West Fork.

Evanston, in front of Union Pacific R. R. station; top of rail-----	6, 745.0
Evanston, south side of courthouse yard, 6 feet north of property line and south of east line of courthouse, in top of stone post; bronze tablet stamped "6752 Evan" (C. & G. S. 1912 Adj.)-----	6, 753.966
Evanston, in front yard at Depot Hotel; iron post stamped "6744 Evan" (C. & G. S. 1912 Adj.)-----	6, 745.249
Evanston, 3 miles southeast of, west side of Union Pacific R. R. track, 1 foot east of wire fence, opposite milepost 952; iron post stamped "6842 Evan"-----	6, 843.365
Evanston, 6 miles southeast of, west side of old grade of Union Pacific R. R., 1 foot east of fence, 200 yards south of where bench comes down to grade; iron post stamped "6942 Evan"-----	6, 943.491
Evanston, 9 miles southeast of, east side of old Union Pacific R. R., outside fence corner, at old side track; iron post stamped "7046 Evan"-----	7, 047.711
Hilliard, 0.8 mile northwest of, south side of old grade of Union Pacific R. R.; iron post stamped "7179 Evan"-----	7, 180.789
Hilliard, 75 feet northwest of post office, 600 feet northwest of old Union Pacific R. R. station; iron post stamped "7246 Evan"-----	7, 247.250
Hilliard, 2 miles south of, opposite Bell's ranch, about 0.5 mile south of first cabin on west side of road; iron post stamped "7333 Evan"-----	7, 334.793
Hilliard, 5 miles south of post office, east side of road opposite Robinson's ranch; iron post stamped "7491 Evan"-----	7, 493.075
Hilliard, 8 miles southeast of post office, 0.1 mile from Goodman's ranch, corner of fence, 900 feet southwest of original Mill Creek channel; iron post stamped "7609 Evan"-----	7, 610.473
Hilliard, 11 miles southwest of post office, 450 feet below Goodman road ford, east side of Bear River, at point where Hilliard Flat ditch reached height of east bank; iron post stamped "7773 Evan"-----	7, 774.402

From boundary north along Yellow Creek valley to Evanston.

Evanston, 21.5 miles south of, 150 feet west of old Emigrant Road crossing on Yellow Creek, 5.5 miles northeast of southwest corner of Wyoming; iron post stamped "7218 Evan"-----	7, 219.316
Evanston, 2.5 miles southwest of, 1 mile east of Yellow Creek, 30 feet south of forks of road; iron post stamped "6816 Evan"-----	6, 817.374

**From Hilliard east to Aspen, thence southeast along Muddy Creek to divide west of mouth of west fork of Black Fork of Green River.**

	Feet.
Aspen, 500 feet west of old Union Pacific R. R. station, 56 feet north of old grade, top of cut bank in large sandstone beside large mound of rock; bronze tablet stamped "7387 Evan"-----	7, 388. 387
Aspen, 3.25 miles southeast of, 60 feet north of road, 400 feet west of gate to Mouselander's meadow, near top of small divide, in sandstone ledge beside mound of rock; aluminum tablet stamped "7581 Evan"-----	7, 582. 353
Aspen, 9.8 miles southeast of, on west slope of first divide going over into East Muddy Creek, 0.8 mile southeast of ford, 40 feet east of road, in large boulder under mound of rock; aluminum tablet stamped "8299 Evan"-----	8, 300. 941
Beeksteads corrals, 3.8 miles southeast of, 25 feet south of road, 400 yards north of old sawmill site, north side of creek, in large boulder; aluminum tablet stamped "8906 Evan." (Could not be found to remark.)-----	8, 880. 605
Divide between Muddy Creek and Black's Fork, top of, 10 feet south of road, 300 feet west of intersection of road to Piedmont, 100 feet east of Bigelow's ditch, in large boulder; aluminum tablet stamped "9214 Evan"-----	9, 215. 489

**From divide between Muddy Creek and west fork of Black Fork north via Moss cabin and Guild ranch to Piedmont.**

Old Fish Creek shingle mill, 300 feet south of, 250 feet west of creek, 300 feet east of forks of road to Vantassie Lake, in large limestone ledge near rock mound; aluminum tablet stamped "8808 Evan"-----	8, 809. 828
Moss ranch, 3.2 miles south of, 15 feet west of road, 400 feet south of Fish Creek crossing, in boulder; aluminum tablet stamped "8466 Evan"-----	8, 467. 152
Moss ranch, 75 feet east of cabin, 10 feet west of road, in large boulder; aluminum tablet stamped "7992 Evan"-----	7, 993. 535
Guild's ranch, 20 feet east of house, at northeast corner of same, alongside picket fence, in large sandstone; aluminum tablet stamped "7331 Evan"-----	7, 332. 147

**From mouth of West Fork of Green River north along Black Fork to Pine Grove.**

West Fork of Black Fork, 300 feet north of ford at mouth of, 50 feet west of road at fork of same, in boulder; aluminum tablet stamped "8621 Evan"-----	8, 622. 444
West Fork, 2.6 miles northwest of, 20.5 miles southeast of Piedmont, 15 feet west of road in pine timber; iron post stamped "8576 Evan"-----	8, 577. 942
Piedmont, 17.5 miles southeast of, intersection of roads, 10 feet east of main road, 700 feet west of Black Fork; iron post stamped "8381 Evan"-----	8, 383. 057
Black Fork, 0.25 mile west of, 300 feet west of southwest corner of buck fence, 600 feet south of forks of road, about 14 miles south-east of Piedmont; iron post stamped "8069 Evan"-----	8, 070. 972
Smith's ranch, northeast corner of pasture fence, 11 miles southeast of Piedmont, 6 feet west of road, east side of small draw; iron post stamped "7794 Evan"-----	7, 796. 018



## From Pine Grove northwestward to Piedmont.

	Feet.
Piedmont bench, 20 feet south of top of, 300 feet east of west edge of road, 75 feet east of crossing of Biglow ditch No. 2; iron post stamped "7910 Evan"-----	7,912.065
White dip pens, 300 feet east of cabin, at forks of road, 3.4 miles southeast of Piedmont; iron post stamped "7310 Evan"-----	7,284.926
Piedmont, 75 feet east of old section house, 275 feet east of old station, 200 feet west of old grade of Union Pacific R. R.; iron post stamped "7048 Evan"-----	7,050.003

## From Piedmont west to Aspen.

Piedmont, 3.1 miles west of, on county road to Aspen, 15 feet south of road, at northwest corner of Easton's pasture fence; iron post stamped "7125 Evan"-----	7,126.726
Piedmont, 6.5 miles west of, 300 feet south of old railroad grade, 20 feet north of county road, top of divide between Piedmont and Aspen; iron post stamped "7490 Evan"-----	7,491.341

## MONTPELIER QUADRANGLE.

[Latitude 42°-42° 30'; longitude 111°-111° 30'.]

## From Raymond along Oregon Short Line Railroad to border.

Raymond, 3 miles south of, on section line, 0.25 mile east of Idaho-Wyoming State line, northwest corner of alfalfa field belonging to J. Francis, 15 feet south of gate to lane; iron post stamped "6107 B 1909 29"-----	6,108.891
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## RANDOLPH QUADRANGLE.

[Latitude 41° 30'-42°; longitude 111°-111° 30'.]

## From Fork road 11.5 miles southwest of Cokeville toward Cokeville.

Prixley ranch, 1 mile north of, 25 feet north of fence corner, 25 feet east of road; iron post stamped "6232 B 1909 18"-----	6,233.744
Prixley ranch, 3.2 miles north of, east edge of road, 250 feet south of dry creek, on bowlder; chisel point painted "6227 B. M. 135"-----	6,229.34

## SALERATUS PASS QUADRANGLE.

[Latitude 41°-41° 30'; longitude 111°-111° 30'.]

## From Yellow Creek southwest to southwest corner of Wyoming.

Evanston, 23.25 miles south of, 2.5 miles north of southwest corner of State of Wyoming, 10 feet north of old emigrant road, about 1.8 miles southwest of Yellow Creek crossing, summit of divide between Yellow Creek and Chalk Creek; iron post stamped "7507 Evan"-----	7,508.403
Evanston, 24 miles south of, 2 miles north of southwest corner of State of Wyoming, 12 feet west of old emigrant road at junction with another road running north and crossing divide west of emigrant road, 1.5 miles east of Chalk Creek, 4 miles northeast of Porcupine Mountain; iron post stamped "7069 Evan"-----	7,070.640
Wyoming, at southwest corner of, 27 miles south of Evanston, in top of corner stone, which is a red sandstone monument 12 by 12 inches square; bronze tablet, stamped "7150 Evan Slak"-----	7,151.473

From point 16.5 miles south of Evanston northeast 10.7 miles.

	Feet.
Evanston, 16.5 miles south of, 8 feet west of wagon road along Yellow Creek, 100 feet west of creek, 1.5 miles north of J. Johnson's ranch; iron post stamped "7056 Evan"-----	7,057.572
Evanston, 9 miles southwest of, about 3.8 miles southwest of Yellow Creek bridge, 0.25 mile northwest of Needle Rocks; iron post stamped "6869 Evan"-----	6,870.355
Evanston, 5.8 miles southwest of, 15 feet west of wagon road, 150 feet southwest of bridge across Yellow Creek; iron post stamped "6747 Evan"-----	6,749.097

From point near Woodruff, Utah, southeast by road to Evanston, Wyo.

Evanston, 7.9 miles northwest of, steel bridge over Bear River, in northeast corner of stone abutment; aluminum tablet stamped "6540 B 1904 9"-----	6,543.144
Evanston, 3.7 miles northwest of, at intersection of road west, 75 feet west of railroad track, northeast corner of field, 10 feet north of irrigation ditch; iron post stamped "6635 B 1909 10"-----	6,638.589
Evanston, 1.5 miles west of, at junction of mill road, main line and line to coal mine, at switch signal, in tie; copper nail, not stamped.	6,706.88

#### TWIN BUTTES QUADRANGLE.

[Latitude 41°-41° 30'; longitude 109° 30'-110°.]

Part of line from Lonetree to Bridgeport (single-spur line).

(For other parts see Aspen Mountains quadrangle, Wyo., and Marsh Peak and Browns Park quadrangles, Utah.)

Burntfork, 0.3 mile east of, at intersection of farm road and main road; iron post stamped "7125"-----	7,125.063
Burntfork, 2.5 miles east of, 30 feet south of road; iron post stamped "7003"-----	7,003.543
T. A. Welch's field, where road enters, 15 feet south of road, near gate; iron post stamped "6769"-----	6,768.605
Burntfork, 9 miles from, 600 feet east of corner fence; iron post stamped "6628"-----	6,627.838
Welch's and Stover's ranches, half way between, 0.5 mile east of ravine, on summit; iron post stamped "6614"-----	6,613.703
Junction of main road and road to Stover's ranch, on point of hill; iron post stamped "6391"-----	6,390.395
Franklin's ranch, 0.5 mile west of, 30 feet north of road; iron post stamped "6335"-----	6,434.268
Summit east of creek, in forks of road; iron post stamped "6161"-----	6,160.374

#### Crow Creek and Freedom quadrangles.

#### LINCOLN COUNTY.

The elevations in the following list were determined by primary leveling and accord with the 1912 adjustment.

The leveling was done in 1911 by O. G. Taylor.

## CROW CREEK QUADRANGLE.

[Latitude 42° 30'-42° 45'; longitude 111°-111° 15'.]

From Idaho-Wyoming State line near Fairview, Wyo., north to point 4.2 miles north of Fairview.

	Feet.
Hardman's Hollow, 0.5 mile north of, 0.5 mile northeast of Idaho-Wyoming State line road crossing, on west edge of Star Valley road, on rocky point; painted point on rock, painted "B. M. 6268 21"-----	6, 269. 83
Hardman's Hollow, 1.3 miles northeast of, 40 feet west of Crow Creek, on east edge of Star Valley road, below rocky point; painted point on rock, painted "B. M. 6247 22"-----	6, 248. 44
Fairview, 1.5 miles southwest of, 200 feet north of Crow Creek, 1,000 feet west of edge of Star Valley, on north edge of Star Valley road; spike in base of corner fence post, post painted "B. M. 6249 23"-----	6, 250. 35
Fairview, 0.5 mile west of, 280 feet south of T road, 80 feet west of Crow Creek, 15 feet west of Star Valley road; iron post stamped "6191 1911"-----	6, 192. 700
Fairview, 1.5 miles northwest of, on west edge of Fairview-Auburn road at bend of road around point; chiseled point on top of rock, rock painted "B. M. 6165 24"-----	6, 166. 22
Fairview, 2.4 miles northwest of, 3.25 miles due west of Afton, Wyo., 5 feet southwest of road intersection; iron post stamped "6146 1911 10"-----	6, 147. 909
Fairview, 3.2 miles north of, 40 feet west of Fairview-Auburn road, on small rise, at northeast corner of vacant log house; spike in top of bottom log, log painted "B. M. 6130 25"-----	6, 131. 93
Fairview, 4.2 miles north of, 125 feet west of vacant log house, 20 feet east of Fairview-Auburn road; spike in base of gate post, painted "B. M. 6095 26"-----	6, 096. 55

## FREEDOM QUADRANGLE.

[Latitude 42° 45'-43°; longitude 111°-111° 15'.]

From point 4.2 miles north of Fairview north and west to Idaho-Wyoming State line near Auburn.

Fairview, 5.2 miles north of, 2.5 miles south of Auburn, 180 feet east of H. D. Clark's ranch house, 20 feet south of yard gate, 20 feet west of Fairview-Auburn road; iron post stamped "6068 1911 11"-----	6, 069. 847
Auburn, 1.2 miles south of, 25 feet west of Fairview-Auburn road; spike in base of telephone pole, pole painted "B. M. 6038 27"-----	6, 039. 21
Auburn, 0.5 mile south of, 10 feet southwest of junction of Fairview-Auburn road with Stump Creek road; iron post stamped "6040 1911 12"-----	6, 042. 165
Auburn, 1 mile west of, 20 feet south of Stump Creek road; spike in base of corner fence post at section corner, post painted "B. M. 6072 28"-----	6, 073. 46
Auburn, 2.1 miles west of, 220 feet west of Stump Creek road crossing, north edge of road; spike in base of corner fence post, post painted "6105 B. M. 29"-----	6, 106. 89
Auburn, 3 miles west of, 300 feet north of Stump Creek, on south edge of "Old" Lander trail, on flat; chiseled point on rock, rock painted "6135 B. M. 30"-----	6, 137. 17

## APPENDIX A.

### ELEVATIONS ADJUSTED BY THE COAST AND GEODETIC SURVEY FROM PRECISE LEVELING.

**Almond, Arvada, Bosler, Bridger, Cheyenne, Chugwater, Creston, Croton, Dayton, Douglas, Echeta, Evanston, Forsteel, Fremont, Granger, Hartville, Laramie, Lusk, Manville, Moorcroft, Newcastle, Opal, Rawlins, Rock Springs (15'), Rozet, Sherman, Sheridan, Sibylee, Sundance, Table Mountain (15'), and Widowfield quadrangles.**

**CARBON, CONVERSE, CROOK, LARAMIE, LINCOLN, SHERIDAN, SWEETWATER, UINTA, AND WESTCOTT COUNTIES.**

The following descriptions and elevations are taken from reports and manuscript of the Coast and Geodetic Survey and are published by permission of the superintendent of that bureau. The bench marks were established from precise levels by the Coast and Geodetic Survey and were included in the 1912 adjustment by that survey and are likely to be changed only slightly by any future adjustment.

#### NEWCASTLE QUADRANGLE.

[Latitude 43° 30'–44°; longitude 104°–104° 30'.]

**From point near Dewey northwest along Chicago, Burlington & Quincy Railroad to point near Jerome.**

	Feet.
Dewey, 2 miles north of, 40 meters west of center line of main track at foot of the Wyoming Hill, on top of State line monument lettered "S. D." on east face "WY" on west face, "38.24 M" on south face, and "1904" on north face; top of sandstone post marked "U.S.B.M." (C. & G. S. b. m. S. D.-WY 38.24) .....	3, 746. 439
Dakoming, 29 meters east of center line of main track, directly opposite station signboard "Dakoming" and center of snow fence; top of iron pipe (C. & G. S. b. m. Q 6) .....	3, 833. 316
Clifton, 4.5 meters southwest of center line of main track, on northwest of railroad station (measured along tracks), inside of southeast of railroad station; copper bolt (C. & G. S. b. m. R 6) ..	3, 946. 009
Clifton, 30 meters southwest of center line of main track, 48 meters northwest of railroad station (measured along tracks), inside of right of way, flush with ground; red metal disc (C. & G. S. b. m. S 6) .....	3, 939. 198
Clifton, 1.6 miles northwest of, 2.4 meters northeast of center line of main track, about halfway between mile poles 505 and 506, on east wall of small concrete bridge, directly over central pier, set vertically in lead; copper bolt (C. & G. S. b. m. T 6) .....	3, 985. 914
Johnson siding, 30 meters northeast of center line of main track, directly opposite telephone booth, 85 meters southeast of bridge, N 518.80; top of iron pipe (C. & G. S. b. m. U 6) .....	4, 341. 507

	Feet.
Newcastle, 5.8 meters northeast of center line of main track, at northwest point of railroad station park; top of iron pipe (C. & G. S. b. m. V 6)-----	4, 316. 875
Newcastle, at south corner of Riordan Building, directly opposite station, 1.1 meters above sidewalk, red metal disc (C. & G. S. b. m. W 6)-----	4, 323. 000
Newcastle, at north corner of Newcastle City Hall, facing Warren Street, in water-table stone 0.4 meter above sidewalk; red metal disc (C. & G. S. b. m. X 6)-----	4, 363. 328
Newcastle, 17 meters southeast of center line of Cambria branch of Chicago, Burlington & Quincy R. R., at a point 61 meters southwest of pile trestle bridge O 49, in top of limestone post; square cut (C. & G. S. b. m. "U. S. G. S. M. M.")-----	4, 327. 344
(Note.—Bronze tablet in top of post was not used as bench mark on account of inclination of post.)	
Pedro, 39 meters north of center of main track, at point where wagon road crosses tracks, 130 meters east of station at signboard "Pedro" and telephone booth, outside the railroad right of way near property line; top of iron pipe (C. & G. S. b. m. Y 6)-----	4, 203. 794
Osage, 2.3 miles southeast of, 30 meters northeast of center line of main track, at summit of long grade northwest of WYT ranch, near middle of snow fence, set just inside the right of way; top of iron pipe (C. & G. S. b. m. Z 6)-----	4, 314. 624

## SUNDANCE QUADRANGLE.

[Latitude 44°-44° 30'; longitude 104°-104° 30'.]

From point near Osage northwest along Chicago, Burlington &amp; Quincy Railroad to point near Jerome.

Jerome, 5 meters northeast of center line of main track, on southeast end of masonry water-tank pier nearest the tracks; copper bolt (C. & G. S. b. m. A 7)-----	4, 211. 481
Jerome, 37.8 meters southwest of center line of main track, 45 meters northwest of section house, just inside railroad right of way; top of iron pipe (C. & G. S. b. m. B 7)-----	4, 209. 867

## MOORCROFT QUADRANGLE.

[Latitude 44°-44° 30'; longitude 104° 30'-105°.]

From point near Osage northwest along Chicago, Burlington &amp; Quincy Railroad to point near Moorcroft.

Jerome, 2 miles northwest of, 2.4 meters southwest of center of main track, on southwest end of northwest concrete pier of bridge 545.10, 2.7 meters below top of rail; copper bolt (C. & G. S. b. m. C 7)-----	4, 176. 507
Upton, 0.5 mile southeast of, 2.5 meters northeast of center line of main track, on northeast end of northwest concrete abutment of bridge 548.42; copper bolt (C. & G. S. b. m. D 7)-----	4, 226. 048
Upton, 2.5 meters southwest of center line of main track, on northeast foundation wall of coal elevator, 170 meters southeast of railroad station; copper bolt (C. & G. S. b. m. E 7)-----	4, 234. 312
Upton, 190 meters northeast of center line of main track, on northeast side of concrete block building known as "Upton Hall," set vertically flush with concrete window sill; red metal disk (C. & G. S. b. m. F 7)-----	4, 234. 306

Feet.

Upton, 28 meters northeast of center line of main track, on concrete water tank foundation wall nearest the tracks, northwest side of railroad station; red metal disk (C. & G. S. b. m. G 7)-----	4, 234. 673
Thornton, 18 meters northeast of center line of main track, 65 meters northwest of railroad station, on northwest side of road crossing, just inside railroad right of way; top of iron pipe (C. & G. S. b. m. H 7)-----	4, 323. 521
Kara, 2.2 miles southeast of, 14.4 meters northeast of center line of main track, near middle of second curve east of Kara siding at main track, near middle of second curve east of Kara siding, at small side cut; top of iron pipe (C. & G. S. b. m. I 7)-----	4, 345. 713
Kara, directly opposite station signboard "Kara" and 15 meters northwest of telephone booth, 21 meters north of center line of main track, just inside the right of way, projecting 4 inches above ground; red metal disk (C. & G. S. b. m. J 7)-----	4, 350. 136
Kara, 10 meters south of center line of main track, 100 meters west of west end of Kara siding, on middle span of a concrete culvert, set vertically in cement; copper bolt (C. & G. S. b. m. K 7)-----	4, 345. 018
Kara, 0.8 mile northwest of, 12 meters southwest of center line of main track, on middle of span of concrete culvert, 0.25 mile northwest of section pole D 94-D 95, set vertically in cement, 8 meters below track; copper bolt (C. & G. S. b. m. L 7)-----	4, 354. 725
Moorcroft, 4.8 miles southeast of, 4 meters west of center line on middle of span of small concrete culvert, 300 meters south of first wagon road crossing north of Kara siding; copper bolt (C. & G. S. b. m. M 7)-----	4, 377. 517
Moorcroft, 2.7 miles southeast of, 7 meters southwest of center line of main track, on middle of span of a small concrete culvert, 390 meters southeast of road crossing at small ranch; copper bolt (C. & G. S. b. m. N 7)-----	4, 283. 023
Moorcroft, 34 meters northeast of center line of main track, on concrete foundation of southeast water tank, 30 meters east of railroad station; red metal disk (C. & G. S. b. m. O 7)-----	4, 206. 940
Moorcroft, 4.6 meters northeast of center line of main track, on masonry foundation of northwest water tank, 40 meters northwest of railroad station; bottom of square hole (C. & G. S. b. m. P 7)-----	4, 206. 865
Moorcroft, 38 meters southwest of center line of main track, 15 meters southwest of center of highway, 71 meters northwest of road crossing, 140 meters northwest of railroad station; set vertically and flush with ground; red metal disk (C. & G. S. b. m. Q 7)-----	4, 200. 149
Moorcroft, 1.5 miles northwest of, 2.5 meters southwest of center line of main track, on southwest end of southeast concrete abutment of bridge 570.74 over Belle Fourche or North Fork of Cheyenne River; red metal disk (C. & G. S. b. m. R 7)-----	4, 157. 820

## ROZET QUADRANGLE.

[Latitude 44°-44° 30'; longitude 105°-105° 30'.]

From point near Moorcroft westerly along Chicago, Burlington & Quincy Railroad to point near Gillette.

Moorcroft, 2.2 miles northwest of, 2.5 meters south of center line of main track, on south end of east concrete abutment of bridge 571.41 over Donkey Creek; copper bolt (C. & G. S. b. m. S 7)-----	4, 157. 232
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	Feet.
Wessex, 2 miles southeast of, 4.2 meters northeast of center line of main track, on northeast end of southeast abutment of a small concrete culvert, 1.6 meters below top of rail; copper bolt (C. & G. S. b. m. T 7)-----	4, 209. 132
Wessex, 28 meters north of center line of main track, 350 meters west of station signboard "Wessex" just inside of right of way; top of iron pipe (C. & G. S. b. m. U 7)-----	4, 218. 246
Rozet, 29 meters south of center line of main track, directly opposite store and post office, on east side of railroad crossing, just inside of right of way; top of iron pipe (C. & G. S. b. m. V 7)-----	4, 283. 331
Rozet, 4.4 miles west of, 2.2 meters north of center line of main track, on north end of east concrete abutment of bridge 586.50; bottom of hole in horizontal surface (C. & G. S. b. m. W 7)-----	4, 358. 745
Minturn, 17 meters north of center line of main track, 180 meters west of station signboard "Minturn," near telephone booth, set flush with ground, just inside right of way; red metal disk (C. & G. S. b. m. X 7)-----	4, 396. 986
Gillette, 4.2 miles east of, 8.5 meters north of center line of main track of railroad, at east end of cut showing rock exposure, on top of large flat bowlder, 2 meters below top of rail; bottom of square hole (C. & G. S. b. m. Y 7)-----	4, 449. 640
Gillette, 6 meters south of center line of main track, at northeast corner of railroad station park; top of iron pipe (C. & G. S. b. m. Z 7)-----	4, 541. 651
Gillette, at southwest corner of Olzer's concrete store building, facing Gillette Avenue, set horizontally 0.2 meter above sidewalk; red metal disk (C. & G. S. b. m. A 8)-----	4, 546. 930
Gillette, 6 meters south of center line of main track, on center of most easterly concrete pier of coal chutes, set vertically in cement; copper bolt (C. & G. S. b. m. B 8)-----	4, 544. 062

#### ECHETA QUADANGLE.

[Latitude 44°-44° 30'; longitude 105° 30'-106°.]

From point near Gillette northwesterly along Chicago, Burlington & Quincy Railroad to point near Croton.

Gillette, 3.1 miles west of, 0.25 mile west of milepole 600, 22 meters south of center of main track, at east end of cut on curve, 0.5 meter above top of rail, on chiseled bench on low flat outcrop of rock; bottom of square hole (C. & G. S. b. m. C 8)-----	4, 665. 732
Sparta, 24 meters north of center line of main track, near railroad fence line, just west of telephone booth, 300 meters east of station signboard "Sparta"; top of iron pipe (C. & G. S. b. m. D 8)-----	4, 747. 333
Oriva, 4.3 meters northeast of center line of main track, 20 meters southeast of railroad station, on southeast end of old masonry water-tank pier nearest track; bottom of square hole (C. & G. S. b. m. E 8)-----	4, 650. 988
Oriva, 31 meters northeast of center line of main track, 80 meters northwest of railroad station, just inside right of way, near snow fence; top of iron pipe (C. & G. S. b. m. F 8)-----	4, 641. 086
Oriva, 1.5 miles northwest of, 2.5 meters southwest of center line of main track, on concrete coping of bridge, directly over northeast pier, just northeast of 1-mile signboard "Oriva"; copper bolt (C. & G. S. b. m. C 8)-----	4, 611. 877

	Feet.
Kier, 25 meters northeast of center line of main track, directly opposite station signboard "Kier," north of telephone booth, 1 meter above top of rail; top of iron post (C. & G. S. b. m. H 8)-----	4, 438. 859
Felix, 1.3 miles southeast of, 10 meters southwest of center line of main track, about halfway between milepoles 614 and 615, northwest end of cut, on flattest of a group of rocks; bottom of square hole (C. & G. S. b. m. I 8)-----	4, 301. 832
Felix, 140 meters northeast of center line of main track, directly opposite point pole 666 some 2 meters southeast of Felix station, just outside right of way fence; top of iron pipe (C. & G. S. b. m. J 8)-----	4, 249. 473
Felix, 4.3 meters northeast of center line of main track, 20 meters northwest of station, on northwest end of masonry water-tank pier nearest tracks; bottom of square hole (C. & G. S. b. m. K 8)-----	4, 234. 814
Felix, 2.9 miles northwest of, on northeast end of southeast concrete pier of plate-girder bridge 618.62 over Wild Horse Creek, 2.3 meters below top of rail, set vertically in lead; copper bolt (C. & G. S. b. m. L 8)-----	4, 104. 382
Echeta, 25.2 meters northeast of center line of main track, on middle of second concrete water-tank pier counting from northwest, set vertically in lead; copper bolt (C. & G. S. b. m. M 8)-----	4, 081. 557
Echeta, 27.2 meters northeast of center line of main track, just north of railroad station, on north side of highway; top of iron pipe (C. & G. S. b. m. N 8)-----	4, 078. 834
Echeta, 2.3 miles northwest of, 6 meters southeast of center line of main track of railroad, on end of west wing wall of concrete culvert and cattle pass, 2.5 meters below top of rail; copper bolt (C. & G. S. b. m. O 8)-----	3, 996. 019

## CROTON QUADRANGLE.

[Latitude 44° 30'–45°; longitude 105° 30'–106°.]

From point near Croton northwest, southwest, and west along Chicago, Burlington & Quincy Railroad to point near Lariat.

Croton, 8 meters southwest of center line of main track, on southeast end of third masonry water-tank pier from tracks; bottom of square hole (C. & G. S. b. m. P 8)-----	3, 953. 978
Croton, 22 meters southwest of center line of main track, directly opposite old railroad station and northwest end of Croton siding, outside right of way, just northeast of county road; top of iron pipe (C. & G. S. b. m. Q 8)-----	3, 960. 694
Lariat, 2.5 miles south of, 14.5 meters northeast of center line of main track, at about milepole 631.2, in stone flush with ground with triangle and circle in center, marking "Rail" triangulation station of the Geological Survey in the location of the Sheridan-Crook county line in 1908; aluminum tablet (C. & G. S. b. m. same as U. S. G. S. triang. sta. Rail)-----	3, 900. 258

## ARVADA QUADRANGLE.

[Latitude 44° 30'–45°; longitude 106°–106° 30'.]

From point near Lariat northwest, west, and southwest along Chicago, Burlington & Quincy Railroad to point near Ulm.

Lariat, 36 meters west of center line of main track, opposite section house and 175 meters south of north end of Lariat siding, just inside right of way; top of iron pipe (C. & G. S. b. m. R. 8)-----	3, 880. 786
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	Feet.
Arvada, 450 meters south of Arvada railroad station on northeast end of northwest concrete pier of bridge 640.73 over Powder River, 1 meter below top of rail; red metal disk (C. & G. S. b. m. S 8)---	3, 655. 534
Arvada, 40 meters south of Arvada railroad station, 7.5 meters west of center line of main track, just north of mail catcher; top of iron pipe (C. & G. S. b. m. T 8)-----	3, 653. 008
Arvada, 50 meters north of Arvada railroad station, 4.7 meters west of center line of main track, on south end of masonry water-tank pier nearest track; bottom of square hole (C. & G. S. b. m. U 8)---	3, 654. 835
Kendrick, directly opposite road crossing and telegraph office near northeast end of Kendrick siding, 34 meters northwest of center line of main track; just inside right of way; top of iron pipe (C. & G. S. b. m. V 8)-----	3, 869. 284
Cadiz, 15 meters northeast of center line of main track, 20 meters northwest of road crossing just inside right of way, in sandstone bowlder flush with ground; bottom of square hole, marked "U. S. B. M." (C. & G. S. b. m. W 8)-----	3, 733. 674
Big Corral, 6.7 miles east of Clearmont, near U-Cross Big Corral ranch, at center of railway siding, opposite wagon scales on the road on north side of track, 13.53 meters north of center of track, 1 meter south of right of way fence; top of iron pipe (C. & G. S. b. m. O 4)-----	3, 800. 028
Clearmont, at intersection of New York Street and Pennsylvania Avenue, 1.4 meters north of well building, 21.7 meters northwest of post office, 43.2 meters south of center of track; bottom of square hole in top of stone post, marked "U. S. B. M." (C. & G. S. b. m. N 4)-----	3, 920. 504
Clearmont, in western water tank near railroad station, in west end of center pier, 37.96 meters north of center of main track, 30 centimeters from end of abutment; copper bolt (C. & G. S. b. m. M 4)---	3, 919. 756
Clearmont, 3.2 miles west of, in steel girder bridge 360, at north end of west abutment, in center of concrete coping stone, 2.6 meters north of center track; red metal disk (C. & G. S. b. m. L 4)-----	3, 994. 224

#### SHERIDAN QUADRANGLE.

[Latitude 44° 30'-45°; longitude 106° 30'-107°.]

From point near Clearmont northwesterly along Chicago, Burlington & Quincy Railroad to point near Alger.

Ulm, 2.7 miles east of, in concrete cattle way under railroad, 3.85 meters north of center of track, 12 centimeters from face, 80 centimeters from end of wall; copper bolt (C. & G. S. b. m. K 4)-----	4, 269. 444
Ulm, opposite first pole west of railroad station, 53.6 meters north of center of track, 39.2 meters from northwest corner of station, 1 meter south of right-of-way fence; top of iron pipe (C. & G. S. b. m. J 4)-----	4, 442. 340
Verona, opposite railroad station, 27 meters north of center of track, 1 meter south of right-of-way fence, 1 meter above grade; bottom of square hole in top of stone post, marked "U. S. B. M." (C. & G. S. b. m. I 4)-----	4, 011. 344
Verona, 3.3 miles west of, 0.1 mile west of milepost 683, in concrete cattleway under Burlington Route tracks, in concrete coping at southwest corner of bridge, 5.4 meters south of track, 2.15 meters from end of coping 2 meters below grade; red metal disk (C. & G. S. b. m. H' 4)-----	3, 850. 019

Feet.

Arno, 215 feet east of milepole 687, opposite section house, 44.8 meters north of center of track, 1 meter south of right-of-way fence, 1 meter above grade; top of iron pipe (C. & G. S. b. m. G 4)-----	3, 775. 429
Wakely, 0.25 mile east of milepole 694, in concrete wall of channel for an irrigation ditch under railroad, in north end of east wall, 7.05 meters north of center of track, 15 centimeters from inner surface, 15 centimeters from end of wall; brass bolt (C. & G. S. b. m. F 4)-----	3, 751. 016
Sheridan, southwest corner of W. Burkitt and South Main streets, in northeast corner of grounds of Sheridan County courthouse, 5.65 meters from corner of curbing, in east face of concrete post, 1.25 meters from ground; red metal disk (C. & G. S. b. m. E 4)-----	3, 755. 104
Sheridan, at northwest corner of Gould and Lowcks streets, at southeast corner of grounds of Federal Building, 5.1 meters from street corner, 1 meter from inside line of each sidewalk; bottom of square hole in top of stone post, marked "U. S. B. M." (C. & G. S. b. m. D 4)-----	3, 744. 786
Sheridan, at northeast corner of Crook and Fourth streets, 375 feet southeast of station, in top of brick pier; copper disk marked "U. S. Geological Survey" and stamped with approximate latitude and longitude; cross cut on top of pier a little east of center is bench mark (C. & G. S. b. m. Astro same as U. S. G. S. astro-nomic station)-----	3, 733. 907
Sheridan, 1.4 miles from, in concrete wall of inverted siphon for an irrigation ditch, under railroad, in center of concrete coping, 3.22 meters west of track; copper bolt (C. & G. S. b. m. C 4)-----	3, 717. 246
Dietz, 2.4 miles north of, in steel girder bridge 705.47 over Goose Creek, in west end of north abutment, in center of coping stone, 2.14 meters west of center of track; copper bolt (C. & G. S. b. m. B 4)-----	3, 624. 294
Alger, in steel girder bridge 707.74 over Tongue River, in coping stone at south end of east abutment, 2.14 meters south of center of track, 45 centimeters from side, 80 centimeters from end of coping stone; red metal disk (C. & G. S. b. m. A 4)-----	3, 634. 005

## DAYTON QUADRANGLE.

[Latitude 44° 30'-45°; longitude 107°-107° 30'.]

From point near Alger northwesterly along Chicago, Burlington & Quincy Railroad to Montana-Wyoming State line.

Alger, in steel-girder bridge 707.74 over Tongue River, in coping stone at south end of east abutment, 2.14 meters south of center of track, 45 centimeters from side, 80 centimeters from end of coping stone; red metal disk (C. & G. S. b. m. A 4)-----	3, 634. 005
Monarch, 0.7 mile north of, 400 feet east of Slater Creek, in concrete headwall for an inverted siphon, the crossing for an irrigation ditch under railroad, in northwest corner of wall, 3.6 meters south of center of track, 13 centimeters from each face of wall, 1 meter above grade; copper bolt (C. & G. S. b. m. Z 3)-----	3, 669. 720
Ranchester, 0.6 mile west of station, 330 feet east of highway crossing, 6.29 meters south of center of track; square hole in top of red sandstone post, marked "U.S.B.M. C. & G. S. 1908" (C. & G. S. b. m. same as Ranchester SE. Base of the U. S. G. S.)-----	3, 791. 236

## LUSK QUADRANGLE.

[Latitude 42° 30'-43°; longitude 104°-104° 30'.]

From point 3 miles west of Van Tassel northwest along Chicago &amp; North Western Railway to Manville.

	Feet.
Van Tassel, 3 miles west of, on right of way, 11½ rails east of mile-post 474, in line with telegraph poles on south side of track, 35 feet from center of track, 65 feet from fence, about opposite grade point at western end of shallow cut; bottom of square hole in top of limestone post, marked "U.S.□B.M." (C. & G. S. b. m. U 1)-----	4,764.544
Node Ranch, opposite and 7 feet south of station sign, 300 yards east of section house 92, 24 feet south of station platform, 36 feet south of center of main track; bottom of square hole in top of limestone post, marked "U.S.□B.M." (C. & G. S. b. m. V 1)-----	4,936.341
Lusk, in northwest corner of station park, 8 feet from either fence, 115 feet west of west end of station, 18 feet south of center of main track; bottom of square hole in top of limestone post, marked "U.S.□B.M." (C. & G. S. b. m. W 1)-----	5,014.721

## MANVILLE QUADRANGLE.

[Latitude 42° 30'-43°; longitude 104° 30'-105°.]

From Manville west along Chicago &amp; North Western Railway to point near Shawnee.

Manville, 6 paces west of mile post 500, about 45 feet north of center of railroad track, 6 rails west of where main street of Manville crosses the track; bottom of square hole in top of limestone post, marked "U. S.□B. M." (C. & G. S. b. m. X 1)-----	5,245.180
Keeline, 10 rails west of section house 96, 1 rail east of east end of station platform, 72 feet south of track, 21 feet north of fence; bottom of square hole in top of limestone post, marked "U. S. □B. M." (C. & G. S. b. m. Y 1)-----	5,288.053
Lost Spring, on right of way, 18½ rails west of west end of station platform, in line with telegraph poles, south side of section house 97, 9 rails east of east side of section house, 16 paces from center of track, 16 paces from fence; bottom of square hole in top of limestone post, marked "U. S.□B. M." (C. & G. S. b. m. Z 1)-----	4,994.591

## DOUGLAS QUADRANGLE.

[Latitude 42° 30'-43°; longitude 105°-105° 30'.]

From point near Shawnee southwest along Chicago &amp; North Western Railway to Orin, thence southeast along Colorado &amp; Southern Railway to point near Bona.

Shawnee, on right of way, in line with telegraph poles, 57 feet from fence, 39 feet south of track, 6½ rails west of switch stand, 5½ rails east of station sign; bottom of square hole in top of limestone post, marked "U. S.□B. M." (C. & G. S. b. m. A 2)-----	5,024.055
Fisher, on right of way, 42 feet south of track, in line with telegraph poles, 2 rails east of east end of station platform, 3½ rails east of station sign; bottom of square hole in top of limestone post, marked "U. S.□B. M." (C. & G. S. b. m. B 2)-----	4,760.512

Feet.

Orin Junction, 0.5 mile east of, on small red sandstone arched culvert on south side of track, on top stone of west wall, about 11 feet from center of track; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. T 1)-----	4, 690. 945
Orin Junction, in southwest stone pier of water tank, on side toward the Colorado & Southern Railway track; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. S 1)-----	4, 704. 935
Orin Junction, 0.8 mile southeast of, on right of way of Colorado & Southern Ry., 6 feet from telegraph milepole 153, 15 feet east of center of track, in top of sandstone post set with 6 inches projecting from ground; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. R. 1)-----	4, 673. 377
Bona, 1 mile south of, 25 feet east of railroad track, between third and fourth telegraph poles south of milepole 147, 10 feet north of fourth pole, on a $4\frac{1}{2}$ -foot sandstone post projecting 6 inches from ground; bottom of square hole. (C. & G. S. b. m. Q 1)-----	4, 701. 375

## JETSAM QUADRANGLE.

[Latitude  $42^{\circ}$ - $42^{\circ}$   $30'$ ; longitude  $105^{\circ}$ - $105^{\circ}$   $30'$ .]

## Near Glendo.

Glendo, 0.5 mile south of, on small deck girder bridge 185, in top of north abutment, about 10 feet west of west rail and about 5 feet below top of rail, 8 inches from inner edge of abutment, 12 inches from retaining wall at end of bridge; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. P 1)-----	4, 697. 661
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## HARTVILLE QUADRANGLE.

[Latitude  $42^{\circ}$ - $42^{\circ}$   $30'$ ; longitude  $104^{\circ}$   $30'$ - $105^{\circ}$ .]

From point near Glendo south along Colorado & Southern Railway to Wheatland.	
Cassa railroad siding, 40 feet east of track, 10 feet south of first telegraph pole north of milepole 131, on post set 4 feet in ground; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. O 1.)-----	4, 487. 215
Wendover, on Colorado & Southern Ry., in northeast stone pier of water tank; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. N 1.)-----	4, 484. 840
Hartville Junction, 300 yards north of railroad section house, 4 paces south of third telegraph pole south of milepole 119, 11 steps west of track; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. M 1.) Stone was broken in shipping and letters "B. M." were destroyed, but the bench mark was not injured.)-----	4, 571. 418
Buckhorn, 1 mile southeast of, 40 feet north of railroad track, 12 feet west of telegraph milepost 111; bottom of square hole in top of sandstone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. L 1)---	4, 742. 572
Uva, in southwest stone pier of water tank on north side of Colorado & Southern Ry.; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. K 1.)-----	4, 468. 278
Wheatland, 100 feet west of main railroad track, 1 block north of station, in stone foundation on east side of Wheatland Roller Mills, 20 feet from south end of building, 20 inches above ground, 10 inches below twenty-ninth brick of first course numbering from south end of building, 3 feet north of south wareroom door; copper bolt, marked "U. S. $\oplus$ B. M." (C. & G. S. b. m. J 1.)-----	4, 739. 209

## CHUGWATER QUADRANGLE.

[Latitude 41° 30'-42°; longitude 104° 30'-105°.]

From point near Wheatland southeast and southwest along Colorado &amp; Southern Railway to point 3 miles southwest of Diamond.

	Feet.
Wheatland, 6.7 miles south of, on right of way, 40 feet north of track, between first and second telegraph poles west of telegraph milepole 89, 50 feet west of first pole east of telegraph milepole 89; bottom of square hole in top of sandstone post, marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. I 1)-----	4, 723. 740
Bordeaux, 3 miles south of, on right of way, 50 feet east of railroad track, between sixth and seventh telegraph poles north of milepole 81; bottom of square hole in top of sandstone post, marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. H 1)-----	4, 947. 441
Chugwater, 2.5 miles north of, on right of way, 50 feet east of track, 15 feet south of milepole 73; bottom of square hole in top of sandstone post, marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. G 1)-----	5, 202. 254
Diamond, 5.3 miles northeast of, on right of way, 50 feet east of track, in line of telegraph poles, 20 feet south of telegraph milepole 65; bottom of square hole in top of sandstone post, marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. F 1)-----	5, 472. 836

## SIBYLEE QUADRANGLE.

[Latitude 41° 30'-42°; longitude 105°-105° 30'.]

From point 3 miles southwest of Diamond southwest along Colorado &amp; Southern Railway to point near Horse Creek.

Diamond, 3 miles southwest of, on right of way, 50 feet east of railroad track, in line of telegraph poles, between ninth and tenth poles south of milepole 57; bottom of square hole in top of sandstone post, marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. E 1)-----	5, 786. 766
Iron Mountain, 2.5 miles northeast of, on stone foundation of the more eastern of two north iron supports of water tank on Colorado & Southern Ry.; bottom of square hole, marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. D 1)-----	6, 141. 550
Iron Mountain, 3.5 miles south of, in line of telegraph poles, about 30 feet south of telegraph milepole 42, 50 feet east of railroad track; bottom of square hole in top of sandstone post, marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. C 1)-----	6, 508. 746

## CHEYENNE QUADRANGLE.

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

From point near Athol westerly along the Union Pacific Railroad to Otto.

Athol, in northeast corner of yard to railroad section house; square cut in top of granite post, marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. A)-----	6, 301. 484
Cheyenne, inside the park north of main track and at its southwest corner, in top of stone foundation under west support of first pair of iron supports to city viaduct across Union Pacific R. R. yard; bottom of square cut, marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. B)-----	6, 060. 300
Cheyenne, in upper surface of stone sill under west window in north side of brick carpenter shop (Union Pacific R. R. shops); bottom of square cut, marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. C)-----	6, 059. 680

Feet.

Cheyenne, in upper surface of stone sill under west window in north side of brick machine shop of Union Pacific R. R.; bottom of square cut, marked "U. S. $\square$ B. M." (C. & G. S. b. m. D)-----	6, 059. 555
Borie, in top of granite post near southwest corner of railroad section house; square cut in top of granite post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. F)-----	6, 607. 267

From Silver Crown east along Colorado & Southern Railway to Cheyenne.

Silver Crown, in southwest stone pier of water tank on Colorado & Southern Ry., T. 14 S., R. 68 W.; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. Y)-----	6, 402. 231
Silver Crown, 4.5 miles east of, T. 14 S., R. 68 W., on right of way, 100 yards from North Crow Creek, in line of telegraph poles, 11 steps to right of track going northward, between eighth and ninth telegraph poles south of telegraph milepole 9 (from Cheyenne), 15 poles north of telegraph milepole 8 and 21 steps from nearest pole; bottom of square hole in top of sandstone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. X)-----	6, 284. 659

#### SHERMAN QUADRANGLE.

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

From Borie westerly along Union Pacific Railroad to Red Buttes.

Otto, under railroad water tank, on stone under north iron support on east side of tank; bottom of square cut in upper surface of stone, marked "U. S. $\square$ B. M." (C. & G. S. b. m. G)-----	6, 953. 923
Granite Canyon, on top of granite post near southwest corner of railroad section house; square cut marked "U. S. $\square$ B. M." (C. & G. S. b. m. H)-----	7, 313. 158
Sherman, under railroad water tank, on stone under iron support at southwest corner of tank, in upper surface of stone; bottom of square cut, marked "U. S. $\square$ B. M." (C. & G. S. b. m. I)-----	8, 250. 325
Sherman, in top of a foundation stone on east side of Ames monument near its northeast corner, stone is about 4 feet long and projects about 2 feet beyond edge of monument, its upper surface is about even with ground; bottom of square cut, marked "U. S. $\square$ B. M." (C. & G. S. b. m. J)-----	8, 281. 837
Dale Creek, under railroad water tank, in top of stone under the western of two iron supports under north side of tank (nearest track) at northwest corner of stone; bottom of square cut, marked "U. S. $\square$ B. M." (C. & G. S. b. m. K)-----	8, 006. 605
Dale Creek, in top of stone abutment at west end of iron railroad bridge over, south of railroad track; bottom of square cut, marked "U. S. $\square$ B. M." (C. & G. S. b. m. L)-----	8, 003. 616

From point near Horse Creek southeast along Colorado & Southern Railway to Silvercrown.

Horse Creek, 1 mile west of, 10 feet west of second telegraph pole west of telegraph milepole 34, 50 feet north of railroad track, in top of sandstone post set 4 feet in ground; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. B 1)-----	6, 513. 435
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Feet.

Islay, 50 feet east of railroad track, in line of telegraph poles, 10 feet north of first pole south of station; bottom of square hole in top of sandstone post, marked "U. S.  $\square$  B. M." (C. & G. S. b. m. A 1)--- 6,705.246

Volente, 1 mile northwest of, 10 feet north of telegraph pole 21, 60 feet east of railroad track, in a pasture owned by Mr. Arnold, 2 miles south of his ranch house; bottom of square hole in top of sandstone post, marked "U. S.  $\square$  B. M." (C. & G. S. b. m. Z)----- 6,749.825

**LARAMIE QUADRANGLE.**

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

From Red Buttes north along Union Pacific Railroad to Coopers Lake.

Red Buttes, under north end of elevated railroad track running through coal chutes, in top of stone foundation at east end; bottom of square cut, marked "U. S.  $\square$  B. M." (C. & G. S. b. m. M)----- 7,304.369

Laramie, in north wall of basement to courthouse, in stone forming northwest corner of building, the stone above is marked "1871" on its western face and the water table upon which brick superstructure rests is one course above bolt; copper bolt (C. & G. S. b. m. N)----- 7,166.547

Laramie, under iron railroad bridge over Laramie River, in top of stone pier on south bank of river, between iron superstructure and west rail; bottom of square cut, marked "U.S.  $\square$  B.M." (C. & G. S. b. m. O)----- 7,133.063

Howell, near railroad section house, in top of granite post set in ground; square cut marked "U.S.  $\square$  B.M." (C. & G. S. b. m. P)--- 7,104.044

Wyoming, under railroad water tank, in upper surface of stone under west one of two iron supports under north side of tank (nearest the side track), near northwest corner; bottom of square cut, marked "U.S.  $\square$  B.M." (C. & G. S. b. m. Q)----- 7,079.612

**BOSLER QUADRANGLE.**

[Latitude 41° 30'-42°; longitude 105° 30'-106°.]

From Coopers Lake northwest along Union Pacific Railroad to point near Aurora.

Coopers Lake, under railroad water tank, on stone base to the one nearest track of the two iron supports under west side of tank, in upper surface near southeast corner of stone next to top; bottom of square cut, marked "U. S.  $\square$  B. M." (C. & G. S. b. m. R)----- 7,044.822

Lookout, on railroad right of way just inside of fence, west of public road, in front of railroad station, in top of granite post; square cut, marked "U.S.  $\square$  B.M." (C. & G. S. b. m. S)----- 7,173.326

Harper, under railroad water tank, on surface of iron base of north one of two iron supports under west side (nearest the track) of tank, on flat projection nearest the track, near bolt which fastens down the column; cross mark (C. & G. S. b. m. T)----- 7,010.183

Rock Creek, near, under Union Pacific R. R. bridge over Rock Creek, in top of stone pier north of creek and east of track; bottom of square cut, marked "U.S.  $\square$  B.M." (C. & G. S. b. m. U)----- 6,705.357

Feet.

Rock Creek, in front yard to residence of William Taylor, just inside front fence and in northeast corner, on top of southern of two granite posts; square cut marked "U.S.□B.M." (C. & G. S. b. m. V)-----	6,704.724
Rock Creek, in front yard to residence of William Taylor, just inside front fence and in northeast corner, on top of granite post to north of two; square cut marked "U.S.□B.M." (C. & G. S. b. m. W)---	6,704.921
Wilcox, 2 miles west of, on small stone culvert under Union Pacific R. R., on south side of track, on east wing 8 inches from end of capstone; bottom of square hole, marked "U.S.□B.M." (C. & G. S. b. m. C 2)-----	6,923.821

## WIDOWFIELD QUADRANGLE.

[Latitude 41° 30'–42°; longitude 106°–106° 30'.]

From point 2 miles west of Aurora west along Union Pacific Railroad to Hanna.

Aurora, 2 miles west of, 1.5 miles east of Ridge, on right of way opposite grade point of west end of second long fill east of Ridge, opposite a telegraph pole, 40 feet north of track, 10 feet south of wire fence; square hole in top of limestone post, marked "U. S.□B. M." (C. & G. S. b. m. D 2)-----	6,745.899
Medicine Bow, 50 yards east of station, on southeast corner of stone foundation under the eastern one of two northern iron columns supporting railroad water tank; square hole, marked "U.S.□B.M." (C. & G. S. b. m. E 2)-----	6,565.758
Medicine Bow, 24 rails west of station semaphore, opposite fifth telegraph pole west of station, 48 feet south of this pole and 171 feet south of main track; square hole in top of limestone post, marked "U. S.□B. M." (C. & G. S. b. m. F 2)-----	6,560.498
Allen, on right of way, 90 feet north of center of main track, 6 feet south of wire fence, 10 rails west of station sign, 63 feet west of west side of section house, in top of limestone post; bottom of square hole, marked "U.S.□B.M." (C. & G. S. b. m. G 2)-----	6,613.583
Como, 2.5 miles west of, on right of way, 36 feet south of track, 4 feet north of wire fence, 8½ rails west of small culvert, which is only one in vicinity, 150 yards west of small cut, which is only cut for several miles west of Como, in top of limestone post; bottom of square hole, marked "U. S.□B. M." (C. & G. S. b. m. H 2)-----	6,769.196

## FORT STEELE QUADRANGLE.

[Latitude 41° 30'–42°; longitude 106° 30'–107°.]

From Hanna westerly along Union Pacific Railroad to point 0.8 mile east of Greenville.

Hanna, 425 meters east of water tank, on right of way, 90 feet north of center of main track, in line with telegraph poles, about half-way between first and second telegraph poles east of an angle in line of telegraph poles; bottom of square hole in top of stone post, marked "U. S.□B. M." (C. & G. S. b. m. I 2)-----	6,779.360
Hanna, east of station, on stone pier under eastern one of two northern columns supporting water tank, on southeastern corner of pier; bottom of square hole, marked "U. S.□B. M." (C. & G. S. b. m. J 2)-----	6,776.161



	Feet.
Dana, on right of way, 39 feet from center of main track at a point 1.5 rails east of east end of station; bottom of square hole in top of stone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. K 2)-----	6, 792. 185
Edson, at old station, on right of way, 84 feet north of center of main track, 16 feet south of wire fence, 14 rails east of most western switch stand, 23 rails west of section house, 26 rails west of station sign; bottom of square hole in top of stone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. L 2)-----	6, 763. 838
Walcott, 0.8 mile west of, south side of track, on stone facing of drain pipe, near center of capstone; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. M 2)-----	6, 605. 052
Fort Steele, under railroad water tank west of station, in southeast corner of stone foundation under eastern one of two southern iron columns supporting tank, bottom of square cut, marked "U. S. B. M." on east face of foundation just under bench mark (C. & G. S. b. m. N 2)-----	6, 514. 547

#### RAWLINS QUADRANGLE.

[Latitude  $41^{\circ} 30'-42^{\circ}$ ; longitude  $107^{\circ}-107^{\circ} 30'$ .]

From point 0.8 mile east of Greenville west along Union Pacific Railroad to point 1 mile east of Daley's ranch.

Greenville, 0.8 mile east of, 100 yards south of Union Pacific R. R. track, in top of stone post set in ground; bronze triangulation tablet of the Geological Survey (C. & G. S. b. m., same as U. S. G. S. West Base triang. sta.)-----	6, 583. 484
Greenville, 0.5 mile east of, on south side of track, near west end of capstone of small culvert, the only stone culvert in this vicinity; square lettered "U. S. $\square$ B. M." (C. & G. S. b. m. O 2)-----	6, 584. 724
Rawlins, on stone sill of northeast window of roundhouse; bottom of square, marked "U. S. $\square$ B. M." (C. & G. S. b. m. P 2)-----	6, 748. 504
Rawlins, on northwest corner of Fourth and Cedar streets, on stone sill of a one-story stone building, 2 feet from southwest corner of sill and 8 inches above sidewalk; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. Q 2)-----	6, 754. 534
Rawlins, on county courthouse, in one of corner stones on west side, 11 inches from southwest corner and 5 feet above ground; copper bolt, marked "U. S. $\oplus$ B. M." (C. & G. S. b. m. R 2)-----	6, 787. 401
Solon, 96 feet west of station platform, 48 feet south of center of main track, 12 feet south of fence, 2 rails east of east switch stand for south siding, between third and fourth telegraph poles east of new section house; bottom of square hole in top of stone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. S 2). (Note.—The station has been moved about 100 yards west and to opposite (north) side of track, 1902)-----	6, 924. 517

#### CRESTON QUADRANGLE.

[Latitude  $41^{\circ} 30'-42^{\circ}$ ; longitude  $107^{\circ} 30'-108^{\circ}$ .]

From point 1 mile east of Daley's ranch westerly along Union Pacific Railroad to point 1 mile east of Red Desert.

Daley's ranch, 1 mile east of, on south side of track, on east abutment of small deck plate-girder bridge, 1 foot from end of abutment; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. T 2)-----	6, 678. 517
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Feet.

Riner, 40 feet south of center of main track, 5 feet north of wire fence, 20½ rails west of west end of station, 11½ rails west of west water tank, 1½ rails east of west switch stand, just east of a cut; bottom of square hole in top of stone post, marked "U. S. □ B. M." (C. & G. S. b. m. U 2)-----	6,757.207
Fillmore, on right of way, at west end of small cut, 3 rails east of station sign and about 9 rails west of first switch stand east of station sign, 43 feet south of center of main track, 7 feet north of railroad fence, in line with telegraph poles; bottom of square hole in top of stone post, marked "U. S. □ B. M." (C. & G. S. b. m. V 2)-----	6,977.728
Creston, 6 rails west of west end of station, 46 feet south of center of main track, 4 feet north of railroad fence, 6 feet south of line of telegraph poles, and directly behind a sign marked "Divide of the Continent, Elevation 7,014 feet"; bottom of square hole in top of stone post, marked "U. S. □ B. M." (C. & G. S. b. m. W 2)-----	7,110.032
Latham, 0.5 mile west of, 10 rails east of a semaphore, on top of stone facing of only drainpipe in vicinity, on south side of track, on east wing wall 8 inches from southeast corner of capstone; bottom of square hole, marked "U. S. □ B. M." (C. & G. S. b. m. X 2)-----	6,928.684
Wamsutter, under railroad water tank, on northeastern corner of stone foundation, under more southern of two eastern columns; letters "U. S. B. M." are cut on east face of stone just under bench mark (C. & G. S. b. m. Y 2)-----	6,709.081

## FREWEN QUADRANGLE.

[Latitude 41° 30'–42°; longitude 108°–108° 30'.]

From point 1 mile east of Red Desert westerly along Union Pacific Railroad to Bittercreek.

Red Desert, 1 mile east of, on right of way of Union Pacific R. R., about 4½ rails east of beginning of first curve east of station, 15½ rails west of station whistle post, 38 feet south of track, 8 feet north of fence; bottom of square hole in top of stone post, marked "U. S. □ B. M." (C. & G. S. b. m. Z 2)-----	6,730.128
Red Desert, 0.5 mile east of, on east abutment of a through plate-girder bridge, a few inches from south end, on a stone projecting from under retaining wall; bottom of square hole, marked "U. S. □ B. M." (C. & G. S. b. m. A 3)-----	6,723.550
Red Desert, 213 feet north of main track, 45 feet west of prolongation of west wall of station, 135 feet north of fence; bottom of square hole in top of stone post, marked "U. S. □ B. M." (C. & G. S. b. m. B 3)-----	6,719.508
Tipton, 75 feet north of center of main tracks, in line with west end of station; bottom of square hole in top of stone post, marked "U. S. □ B. M." (C. & G. S. b. m. C 3)-----	6,997.935
Table Rock, 1 mile east of, on first deck plate-girder bridge east of Table Rock, 4½ telegraph poles west of milepole 773, on south end of east concrete abutment; square hole marked "U. S. □ B. M." (C. & G. S. b. m. D 3)-----	6,851.154
Monell, near; spike in milepost (C. & G. S. b. m. "U. P. 779")-----	6,750.522
Monell, directly opposite station sign, 12 feet west of second telegraph pole east of milepole 779½, 42 feet south of main track; bottom of square hole in top of stone post, marked "U. S. □ B. M." (C. & G. S. b. m. E 3)-----	6,748.618

## ALMOND QUADRANGLE.

[Latitude 41° 30'-42°; longitude 108° 30'-109°.]

From Bittercreek westerly along Union Pacific Railroad to point near Baxter.

Feet.

Bittercreek, in station park, 18 feet from south fence, 18 feet from east fence, 2 rails west of west end of station, 53 feet north of center of main track; bottom of square hole in top of stone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. F 3)-----	6,696.004
Black Buttes, 2 miles east of, 2 telegraph poles east of half-mile post 791½, on a through plate-girder bridge, on south side of east wall, on top of stone extending from under retaining wall; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. G 3)-----	6,630.210
Black Buttes; spike in milepost (C. & G. S. b. m. "U. P. 793")-----	6,617.890
Hallville, directly opposite milepole 799, 100 yards west of section house, 4 rails east of car house, 78 feet south of center of main track, 34 feet south of fence; bottom of square hole in top of stone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. H 3)-----	6,557.319
Hallville, spike in milepost (C. & G. S. b. m. "U. P. 799")-----	6,558.097
Point of Rocks, near; spike in milepost (C. & G. S. b. m. "U. P. 804")-----	6,514.092
Point of Rocks, 1 mile west of, between fourth and fifth telegraph poles west of milepole 805½, 4 rails west of station whistle post and 7 rails east of a small trestle at point of curvature of first curve west of Point of Rocks, 45 feet north of track and 8 feet south of fence; bottom of square hole in top of stone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. I 3)-----	6,510.374
Point of Rocks, near; spike in milepost (C. & G. S. b. m. "U. P. 810")-----	6,459.672
Salt Wells, 2 miles east of, 9 rails west of milepole 814½, which also marks the junctions of secs. 45 and 46, near middle of first curve east of Salt Wells, 75 feet south of center track; bottom of square hole in top of stone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. J 3)-----	6,393.875

## ROCK SPRINGS QUADRANGLE.

[Latitude 41° 30'-41° 45'; longitude 109°-109° 15'.]

From point near Baxter westerly along Union Pacific Railroad to point near Wilkins.

Baxter, near; spike in milepost (C. & G. S. b. m. "U. P. 823")-----	6,302.192
Baxter, 5 rails west of telegraph station, 1 rail east of third telegraph pole east of mile pole 823½, 132 feet south of main track; bottom of square hole in top of stone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. K 3)-----	6,306.900
Rock Springs, north side of station, in water table, 22 inches above surface of ground, 22 inches from northwest corner of bay window; square cut lettered "U. S. $\square$ B. M." (C. & G. S. b. m. L 3)-----	6,265.719
Rock Springs, in west end of Union Pacific Railroad park, west of passenger station, 12 feet from west fence, in line with three hydrants of park; bottom of square hole in top of stone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. M 3)-----	6,262.930

	Feet.
Rock Springs, in stone wall of City Hall, 6 inches from pillar at north side of west entrance, 4 feet above surface of ground; copper bolt marked "U. S. $\square$ B. M." (C. & G. S. b. m. N 3)-----	6, 277. 136
Rock Springs, in stone wall of high-school building, on north side, 40 feet west of northeast corner, 6 feet west of north entrance, 6 feet above surface of ground, 16 inches above and to left of first window sill west of north entrance; copper bolt marked "U. S. $\square$ B. M." (C. & G. S. b. m. O 3)-----	3, 289. 410
Ah Say; spike in milepost (C. & G. S. b. m. "U. P. 835")-----	6, 219. 843

## TABLE MOUNTAIN QUADRANGLE.

[Latitude 41° 30'–41° 45'; longitude 109° 15'–109° 30'.]

From point near Wilkins westerly along Union Pacific Railroad to point near Peru.

Wilkins, 1.8 miles east of, 15 rails east of east side of pump house, 45 feet south of center of track, in line with telegraph poles; bottom of square hole in top of stone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. P 3)-----	6, 202. 475
Wilkins; spike in milepost (C. & G. S. b. m. "U. P. 839")-----	6, 183. 656
Green River, in west end of Union Pacific R. R. park, about equidistant from north and south sides and 12 feet from fence; bottom of square hole in top of stone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. Q 3.)-----	6, 087. 609
Green River, in sandstone water table of county courthouse, 4 feet north of southeast corner, 4 feet above surface of ground; copper bolt marked "U. S. $\square$ B. M." (C. & G. S. b. m. R 3)-----	6, 119. 516
Green River, in west wall of Sweetwater Brewing Co.'s stone office and saloon, 16 inches from southwest corner, 4 feet from ground; copper bolt lettered beneath bolt "U. S. B. M." (C. & G. S. b. m. S. 3)-----	6, 098. 587
Green River, on Union Pacific R. R. bridge over Green River, on south end of middle red-sandstone pier; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. T 3)-----	6, 088. 233

## GRANGER QUADRANGLE.

[Latitude 41° 30'–42°; longitude 109° 30'–110°.]

From point near Peru westerly along Union Pacific Railroad to point near Granger.

Peru, near, between sixth and seventh telegraph poles east of office pole at Peru, 45 feet south of center of track, 5 feet from railroad fence, 5 feet from crossing fence; bottom of square hole in top of stone post marked "U. S. $\square$ B. M." (C. & G. S. b. m. U 3)-----	6, 370. 131
Bryan, 2 miles west of, 2 telegraph poles east of C signpost, 3 rails east of small stone culvert, between eighth and ninth telegraph poles west of milepole 860, 70 feet north of railroad track, 30 feet south of railroad fence; bottom of square hole in top of stone post, marked "U. S. $\square$ B. M." (C. & G. S. b. m. V 3)-----	6, 183. 134
Bryan and Marston, between, 4 telegraph poles west of milepole 863, at north end of sandstone abutment of Union Pacific R. R. bridge over Black River, on top of stone retaining wall, 8 inches from west side of stone and 6 inches from north end; bottom of square hole, marked "U. S. $\square$ B. M." (C. & G. S. b. m. W 3)-----	6, 180. 073

	Feet.
Marston, 2.1 miles west of, 1.4 miles east of Azusa, 10 feet south of fourth telegraph pole west of milepole 868, 3 poles west of station sign for Azusa, 55 feet south of track, 45 feet from railroad fence; bottom of square hole in top of stone post, marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. X 3)-----	6, 241. 287
Azusa, 1.2 miles west of, 4.8 miles east of Granger, on north end of red sandstone retaining wall of Union Pacific R. R. bridge over Black River, in top of stone, 10 inches from east edge and 10 inches from capstone; bottom of square hole, marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. Y 3)-----	6, 225. 529
Granger, 100 paces north of main tracks, opposite a point 40 paces west of west water tank; bottom of square hole in top of red sandstone post, marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. P 6)-----	6, 240. 217
Granger, on first iron bridge west of, over Black Fork, in northeast red-sandstone abutment; square cut on shelf about 1 foot below track level (C. & G. S. b. m. O 6)-----	6, 271. 759

## OPAL QUADRANGLE.

[Latitude 41° 30'-42°; longitude 110°-110° 30'.]

From point near Granger southwest along Union Pacific Railroad to Elkhurst.

Garrett, directly opposite station sign, 200 feet north of tracks, about halfway between tracks and fence; bottom of square hole in top of red-sandstone post marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. N 6)-----	6, 342. 950
Church Buttes; square cut in south-southwest base stone of water tank (C. & G. S. b. m. M 6)-----	6, 353. 741
Church Buttes, southwest of station, 4 feet south of second telegraph pole west of station, 100 feet south of Union Pacific R. R. tracks; bottom of square hole in top of red-sandstone post marked "U. S. <input type="checkbox"/> B. M." (C. & G. S. b. m. L 6)-----	6, 350. 532
Hampton, 1.7 miles west of, in south arch of stone culvert; square cut on top of southwest corner (C. & G. S. b. m. K 6)-----	6, 403. 222

## BRIDGER QUADRANGLE.

[Latitude 41°-41° 30'; longitude 110°-110° 30'.]

From point near Elkhurst southwest along Union Pacific Railroad to point near Carter.


Elkhurst, in Union Pacific R. R. right of way, 150 feet north of tracks and at a deflection angle of 45° with tracks from a point at east switch of siding; bottom of square hole in top of red-sandstone post, marked "U.S. <input type="checkbox"/> B.M." (C. & G. S. b. m. J 6)-----	6, 428. 491
Carter, on west side of roadway leading up hill, 400 feet north of Union Pacific R. R. tracks, 5 feet west of telephone pole; bottom of square hole in top of red-sandstone post, marked "U.S. <input type="checkbox"/> B.M." (C. & G. S. b. m. I 6)-----	6, 502. 490
Carter, west of station and opposite milepole 904; square cut in south-southeast base stone of water tank (C. & G. S. b. m. H 6)---	6, 499. 876

## EVANSTON QUADRANGLE.

[Latitude 41°-41° 30'; longitude 110° 30'-111°.]

From point near Carter southwesterly and northwesterly along Union Pacific Railroad to Evanston.

	Feet.
Bridger, 3 miles east of, in culvert at milepole 911; square cut in top stone on arch north of track (C. & G. S. b. m. G 6)-----	6,582.155
Bridger, 200 feet northwest of milepole 914, in right of way, 80 feet north of Union Pacific R. R. tracks and north of station sign, 6 feet from fence; bottom of square hole in top of red-sandstone post, marked "U.S.□B.M." (C. & G. S. b. m. F 6)-----	6,629.855
Leroy, 200 yards east of section house, in Union Pacific R. R. right of way, south of tracks, 2 feet from fence and nearly opposite road-way which leads up hill on other side of tracks; bottom of square hole in top of red-sandstone post, marked "U.S.□B.M." (C. & G. S. b. m. E 6)-----	6,694.856
Spring Valley, 100 feet west of water tank, 40 feet north of Union Pacific R. R. tracks; bottom of square hole in top of red-sandstone post, marked "U.S.□B.M." (C. & G. S. b. m. D 6)-----	7,012.420
Altamont, near west entrance of the "Aspen Tunnel," 100 yards south of tracks, opposite a point on tracks halfway between station and section house, near right-of-way fence; bottom of square hole in top of red-sandstone post, marked "U.S.□B.M." (C. & G. S. b. m. C 6)-----	7,219.790
Knight, 100 yards east of station and in line with front of section house, 150 paces south of mail stand and Union Pacific R. R. tracks; bottom of square hole in top of red-sandstone post, marked "U.S.□B.M." (C. & G. S. b. m. B 6)-----	7,062.341
Evanston, in stone corner post on southeast corner of station, in east face, a few inches from corner, 4 feet from ground; copper bolt,	

marked  (C. & G. S. b. m. A. 6)----- 6,749.652

## APPENDIX B.

### SECONDARY ELEVATIONS.

Secondary elevations from records and topographic maps of the United States Geological Survey, including vertical-angle bench marks, altitudes of well-known summits, water-surface elevations of prominent lakes, and other useful elevations, are given below. They are approximate only and should not be used for accurate work.

Locality.	Quadrangle.	County.	Elevation.
Alkali Lake, water surface.....	Laramie.....	Albany.....	6,999
Ames Monument.....	Sherman.....	do.....	8,283
Arrow Mountain.....	Fremont Peak.....	Fremont.....	10,555
Bald Mountain.....	Bald Mountain.....	Big Horn.....	10,041
Blackbank Hill triangulation station.....	Devils Tower.....	Crook.....	4,008
Black Mountain.....	Kirwin.....	Fremont.....	10,165
Black Mountain triangulation station.....	Dayton.....	Sheridan.....	9,432
Blacktail Butte triangulation station.....	Grand Teton.....	Lincoln.....	7,676
Breccia Peak.....	Mount Leidy.....	Teton National Forest.....	11,007
Bridger Peak triangulation station.....	Encampment special.....	Carbon.....	11,007
Burnt Mountain.....	Mount Leidy.....	Teton National Forest.....	9,879
Cedar Mountain.....	Fort Steele.....	Carbon.....	10,026
Chimney Rock.....	Fremont Peak.....	Fremont.....	13,340
Cloud Peak triangulation station.....	Cloud Peak.....	Big Horn-Johnson.....	13,165
Columbus Peak triangulation station.....	Dayton.....	Sheridan.....	5,394
Corner Mountain.....	Medicine Bow.....	Albany.....	9,582
Corner Peak.....	Gros Ventre.....	Lincoln.....	11,080
Cottonwood Peak.....	Kirwin.....	Big Horn.....	10,900
County Peak.....	do.....	do.....	12,115
Crescent Mountain.....	Younts Peak.....	Big Horn-Fremont.....	11,375
Crow Creek Hill triangulation station.....	Sherman.....	Albany.....	8,877
Crystal Peak.....	Gros Ventre.....	Lincoln.....	11,087
Darwin Peak triangulation station.....	do.....	do.....	11,645
Dead Indian Peak.....	Crandall.....	Shoshone National Forest.....	12,253
Devils Tower.....	Devils Tower.....	Crook.....	5,117
Dome Mountain.....	Kirwin.....	Big Horn.....	12,433
Dome Peak.....	Fremont Peak.....	Fremont.....	11,210
Dome Rock.....	Dayton.....	Sheridan.....	9,197
Doubletop Peak.....	Gros Ventre.....	Lincoln.....	11,715
Downs Mountain triangulation station.....	Fremont Peak.....	Fremont.....	13,344
Duncom Mountain.....	Bald Mountain.....	Big Horn-Sheridan.....	9,810
East Tensleep Lake, water surface.....	Cloud Peak.....	Big Horn.....	9,735
Elkhorn Point.....	Medicine Bow.....	Carbon.....	8,612
Elk Mountain.....	Fort Steele.....	do.....	11,162
Elk Ridge.....	Gros Ventre.....	Lincoln.....	10,170
Encampment.....	Encampment Special.....	Carbon.....	7,322
Fish Lake Peak.....	Younts Peak.....	Fremont.....	10,065
Fortress Mountain.....	Ishawooa.....	Shoshone National Forest.....	12,073
Franks Peak.....	Kirwin.....	Big Horn.....	13,140
Freezeout Point triangulation station.....	Dayton.....	Sheridan.....	8,300
Fremont Peak.....	Fremont Peak.....	Fremont.....	13,730
Gannett Peak.....	do.....	do.....	13,785
Grand Teton.....	Grand Teton.....	Lincoln.....	13,747
Gravel Mountain.....	Mount Leidy.....	Teton National Forest.....	9,645
Green River Pass.....	Fremont Peak.....	Fremont.....	12,222
Greentop Mountain triangulation station.....	Sherman.....	Albany.....	8,108
Hard Luck Mountain.....	Younts Peak.....	Big Horn.....	11,788
Heart Lake, water surface.....	Lake.....	Yellowstone National Park.....	7,469
Hodges Peak.....	Gros Ventre.....	Lincoln.....	11,130
Horse Mountain triangulation station.....	Sherman.....	Albany.....	7,800
Hunt Mountain.....	Bald Mountain.....	Big Horn.....	10,151
Hutton Lake, water surface.....	Laramie.....	Albany.....	7,199
Index Peak triangulation station.....	Crandall.....	Big Horn.....	11,740
Indian Pass.....	Fremont Peak.....	Fremont.....	12,130
Indian Peak.....	Crandall.....	Shoshone National Forest.....	10,929
Inyankara Mountain.....	Sundance.....	Crook.....	6,313
Ishawooa Cone.....	Ishawooa.....	Shoshone National Forest.....	11,840
Ishawooa Pass.....	do.....	do.....	11,840

Locality.	Quadrangle.	County.	Elevation.
Jackson Lake, water surface.....	Grand Teton.....	Lincoln.....	6,736
James Lake, water surface.....	Laramie.....	Albany.....	7,218
Jelm Mountain triangulation station.....	do.....	do.....	9,665
Jenny Lake, water surface.....	Grand Teton.....	Lincoln.....	6,775
Klondike Lake, water surface.....	Fremont Peak.....	Fremont.....	11,201
Knife Point Mountain.....	do.....	do.....	13,007
Lake Mountain.....	Medicine Bow.....	Albany.....	9,750
Lake Solitude, water surface.....	Cloud Peak.....	Big Horn.....	9,375
Lewis Lake, water surface.....	Shoshone.....	Yellowstone National Park.....	7,720
Little Bald Mountain.....	Bald Mountain.....	Big Horn-Sheridan.....	9,894
Little Goose Peak.....	Dayton.....	Johnson.....	9,334
Little Sheep Mountain triangulation station.....	Fremont Peak.....	Fremont.....	10,175
Lone Sand Hill.....	Patrick.....	Laramie.....	4,930
Medicine Bow Peak.....	Medicine Bow.....	Albany.....	12,005
Medicine Mountain.....	Bald Mountain.....	Big Horn.....	9,956
Missouri Buttes triangulation station.....	Devils Tower.....	Crook.....	5,372
Mound Mountain.....	Sherman.....	Albany.....	7,885
Mount Crosby triangulation station.....	Kirwin.....	Big Horn.....	12,435
Mount Helen.....	Fremont Peak.....	Fremont.....	13,600
Mount Kent.....	Kirwin.....	do.....	11,000
Mount Leidy.....	Mount Leidy.....	Teton National Forest.....	10,317
Mount Lester.....	Fremont Peak.....	Fremont.....	12,325
Mount Steele.....	Fort Steele.....	Carbon.....	7,548
Needle Mountain.....	Ishawooc.....	Shoshone National Forest.....	12,130
Palmer Peak.....	Gros Ventre.....	Lincoln.....	11,400
Parkview Hill.....	Medicine Bow.....	Carbon.....	8,460
Pass Peak.....	Gros Ventre.....	Lincoln.....	9,910
Phelps Lake, water surface.....	Grand Teton.....	do.....	6,632
Pinnacle Butte.....	Younts Peak.....	Fremont.....	11,474
Pollux Peak.....	Crandall.....	Shoshone National Forest.....	11,081
Prospect Mountain.....	Medicine Bow.....	Carbon.....	8,430
Pyramid Peak.....	Gros Ventre.....	Lincoln.....	11,087
Raggedtop Mountain.....	Younts Peak.....	Big Horn-Fremont.....	11,848
Raggedtop Mountain triangulation station.....	Sherman.....	Albany.....	8,230
Ramshorn Peak triangulation station.....	Younts Peak.....	Fremont.....	11,625
Red Peak.....	Kirwin.....	do.....	8,132
Red Tops.....	Younts Peak.....	Big Horn.....	12,202
Ring Mountain triangulation station.....	Laramie.....	Albany.....	8,805
Saddle Mountain.....	Crandall.....	Shoshone National Forest.....	10,678
St. Mary Peak.....	Fort Steele.....	Carbon.....	7,496
Sheephead Mountain.....	do.....	do.....	8,700
Sheep Mountain.....	Bald Mountain.....	Big Horn-Sheridan.....	9,937
Sheep Mountain triangulation station.....	Grand Teton.....	Lincoln.....	11,190
Sheep Mountain.....	Laramie.....	Albany.....	9,590
do.....	Medicine Bow.....	do.....	9,560
Sheep Mountain triangulation station.....	Encampment Special.....	Carbon.....	8,319
do.....	Fremont Peak.....	Fremont.....	11,605
Shoshone Pass.....	Younts Peak.....	do.....	9,730
Spoon Butte.....	Patrick.....	Laramie.....	5,008
Squaretop Mountain.....	Fremont Peak.....	Fremont.....	11,679
Sublette Ridge.....	Montpelier.....	Lincoln.....	9,314
Sundance.....	Sundance.....	Crook.....	4,760
Sunlight Peak.....	Crandall.....	Shoshone National Forest.....	11,977
Taggart Lake, water surface.....	Grand Teton.....	Lincoln.....	6,915
Teton Pass Mountain.....	do.....	do.....	10,345
Thorofare Buttes.....	Ishawooc.....	Shoshone National Forest.....	11,417
Three Sisters.....	Cloud Peak.....	Johnson.....	10,307
			10,399
Tosi Peak triangulation station.....	Gros Ventre.....	Lincoln.....	11,376
Triangle Peak.....	do.....	do.....	11,525
Trout Peak triangulation station.....	Crandall.....	Big Horn.....	12,259
Twin Mountains.....	Sherman.....	Laramie.....	8,145
Wall Mountain.....	Younts Peak.....	Big Horn.....	11,498
Washakie Needles.....	Kirwin.....	do.....	12,496
West Tensleep Lake, water surface.....	Cloud Peak.....	do.....	9,042
Whisky Mountain.....	Fremont Peak.....	Fremont.....	11,095
Wiggins Peak triangulation station.....	Kirwin.....	do.....	12,160
Windy Mountain.....	Crandall.....	Shoshone National Forest.....	10,275
Yellowstone Lake, water surface.....	Canyon.....	Yellowstone National Park.....	7,741
do.....	Yellowstone National Park.....		7,741
Yellowstone Lake, West Thumb, water surface.....	do.....		7,741
Younts Peak.....	Younts Peak.....	Big Horn.....	12,165





# INDEX.

A.	Page.		Page.
Ah Say.....	135	Beach, C. W., work of.....	68
Aladdin quadrangle.....	41, 42	Bear Creek basin.....	20
Alamo.....	64	Bear Cub Pass.....	85
Albany County.....	7, 17	Bear River.....	114, 117
Alcova.....	33	Beaver Creek.....	43, 47, 112
Alcova quadrangle.....	32	Beaver Creek fork.....	113
Alger.....	125	Beckton.....	58
Alkali Butte.....	47	Belle Fourche River.....	42, 43, 44, 121
Alkali Creek.....	64, 75	Bellknap Creek.....	74
Alkalie Lake.....	40	Bennett.....	19
Allen.....	131	Bethorn schoolhouse.....	67
Allen ranch.....	64	Boulah.....	42
Allander's ranch.....	46	Big Creek ranch.....	19
Almond quadrangle.....	96, 97, 119, 134	Bigelow's ditch.....	115
Alta.....	92	Big Gate.....	76
Altamont.....	137	Big Goose Creek.....	58
Alva.....	43	Biggs, L. F., work of.....	109
Anderson Island.....	108	Bighorn.....	65
Antelope Springs.....	77	Big Horn County.....	51, 68, 94
Antelope triangulation station.....	21	Bighorn Mountains.....	58
A ranch.....	68	Bighorn River.....	64, 92
Arno.....	67, 125	Big Muddy.....	34
Arvada.....	124	Big Red.....	66
Arvada quadrangle.....	119, 123	Big Sandy Creek.....	98, 104
Aspen.....	115	Big Springs.....	58
Aspen Mountains quadrangle.....	108, 109	Bingham.....	57
Atihol.....	11, 128	Bittercreek.....	134
Atlantic City.....	103	Bitter Creek Valley.....	111
Auburn.....	118	Black Buttes.....	98, 134
Austin Creek.....	38	Black Fork.....	115, 136
Azusa.....	136	Black Hill.....	45
		Black River.....	135, 136
B.		Blackrock Creek.....	86
Bacon Creek.....	84	Blackrock meadows.....	85
Badger Creek.....	67	Blair's ranch.....	14
Bad Lands.....	65	Blondes ranch.....	72
Badlands quadrangle.....	96, 98	Bonanza.....	63
Baggs.....	40	Bonnie Rodgers coal mine.....	62
Baggs quadrangle.....	39	Borie.....	129
Baird's ranch.....	48	Bosler quadrangle.....	119, 130
Baker's ranch.....	16, 33, 66, 85	Bowler.....	104
Bald Mountain.....	52	Brennagans Springs, Colo.....	14
Bald Mountain City.....	52	Bridger.....	137
Bald Mountain quadrangle.....	51	Bridger quadrangle.....	108, 111, 119, 136
Bale's ranch.....	56	Bright, M. S., work of.....	7, 32
Ball.....	99	Brock's ranch.....	67
Ballinger, C. J., work of.....	25	Brokenback Creek.....	55
Banner.....	65	Brook's ranch.....	109, 110
Barnard, E. C., work of.....	5	Browns Canyon.....	40
Barber's ranch.....	46	Brown's ranch.....	82, 88
Basin.....	86	Brush Creek.....	25
Bates Creek.....	35	Bryan.....	135
Battle.....	17	Buckhorn.....	127
Battle Creek.....	18	Buffalo.....	59
Baxter.....	134	Buffalo Creek.....	64, 94

	Page.		Page.
Buffalo Ford.....	77, 78, 85	Colorado Colony ranch.....	65
Buffalo Fork of Snake River.....	85	Colorado-Wyoming State line.....	18
Buford.....	14	Condict's, W., ranch.....	19
Bull Camp.....	61	Conrad's ranch.....	62
Bull Camp mining district.....	61	Continental Divide.....	18, 77
Bull Creek.....	61, 74	Converse County.....	32, 35, 119
Bull Lake Creek.....	83	Cookston's, Joe, ranch.....	102
Bulloch's ranch.....	112	Coopers Lake.....	130
Burlingham's, John, ranch.....	94	Copperton.....	17
Burlington.....	85	Copps ranch.....	66
Burnett's ranch.....	59	Cora.....	105
Burns ranch.....	67	Corbett.....	75
Burntfork.....	117	Cottonwood Creek.....	88
Bush's ranch.....	44	Coughlin ranch.....	21
C.		County Road triangulation station.....	21
Cabin Creek.....	45	Craig Creek.....	73
Cadiz.....	124	Crawfort's ranch.....	47
Caldwell, H. C., work of.....	7	Crazy Woman Creek.....	59, 60
Cambria.....	49	Creston.....	133
Campbell's ranch.....	38	Creston quadrangle.....	119, 132
Camp Douglas.....	25	Crook County.....	41, 119
Canyon Creek.....	38, 54	Cross Anchor reservoir.....	46
Carbon County.....	17, 28, 32, 39, 119	Cross H ranch.....	59
Cardwell, Hank, ranch.....	39	Croton.....	123
Careyhurst.....	37	Croton quadrangle.....	119, 123
Carlisle.....	46	Crow Creek.....	83, 118
Carson's, William, ranch.....	93	Crow Creek Hill triangulation station.....	15
Carter.....	113, 136	Crow Creek quadrangle.....	117, 118
Case ferry and ranch.....	100	Crystal Creek.....	84
Casper.....	34	Cunningham's ranch.....	77
Casper quadrangle.....	32, 34	Curtis ranch.....	69
Cassa siding.....	127	Cyclone Bar.....	70
Cedar Ridge.....	89	C. Y. ranch.....	32, 34
Cement Ridge.....	50	D.	
Centennial.....	24	Dakoming.....	119
Chapman's ranch.....	36	Dale Creek.....	129
Cheney quadrangle.....	68	Daley's ranch.....	132
Cherokee Creek.....	20	Dana.....	26, 132
Cherry's hay meadow.....	85	Daniel.....	99
Cheyenne.....	8, 128, 129	Daniel quadrangle.....	96, 99
Cheyenne Pass.....	15	Darrow's ranch.....	46
Cheyenne quadrangle.....	7, 8, 119, 128	Davis's ranch.....	19
Chicago, Burlington & Quincy R. R.....	119, 120, 121, 122, 123, 124, 125	Dayton.....	56
Chicago & North Western Ry.....	34, 35, 37, 126	Dayton quadrangle.....	51, 55, 119, 125
Chimney Rock.....	16	Dead Indian Creek.....	71
Chugwater quadrangle.....	7, 11, 119, 128	Deep Ravine.....	8
Church Buttes.....	136	Deer Creek.....	46
Circle.....	83	Deetkin's ranch.....	47
Clark.....	70	Deetkin's South Beaver Creek ranch.....	47
Clarkson ranch.....	32	Devils Gate Creek.....	25
Clark's ranch.....	103	Devils Tower.....	44
Clear Creek.....	61, 62	Devils Tower quadrangle.....	41, 44
Clearmont.....	124	De Wesse Creek.....	38, 39
Clifton.....	119	Dewey Mine.....	19
Cloud Peak quadrangle.....	51, 53	Dickey, Sam, ranch.....	66
Clubhouse.....	68	Dick Turpin meadow.....	85
Coal Creek.....	35	Dome Lake.....	58
Cody.....	69, 71	Donkey Creek.....	121
Cody ditch.....	74	Dorrence, P. F., ranch.....	101
Cody quadrangle.....	68, 69	Double Diamond ranch.....	81
Cokeville.....	114	Douglas.....	35
Cokeville quadrangle.....	108, 113	Douglas, E. M., work of.....	5
Cold Springs.....	112	Douglas Creek.....	25
Coleman, A. L., work of.....	51	Douglas Creek Bridge.....	24
Colorado & Southern Ry.....	8, 15, 126, 127, 128, 129	Douglas quadrangle.....	32, 35, 119, 126
		Downington.....	20

	Page.
Driscolls Gap.....	109
Drummond, Goyne, work of.....	17, 68
Dry Branch.....	77, 83
Dry Creek.....	30, 83, 90
Dry Muddy Creek.....	71
Dubois.....	98
Duck Creek.....	82
Duncom Mountain.....	52
Dunwoody Creek.....	83
Durham.....	9
Dutch Creek Valley.....	67
Dutch Flat Creek.....	103
Dutch Valley.....	67

## E.

Eagles Nest.....	13, 75
Eagles Nest Creek.....	13
East Fork of Tensleep Creek.....	54
East Pass Creek.....	56
Eaton quadrangle.....	11
Echota.....	123
Echota quadrangle.....	119, 122
Edson.....	28, 132
Egbert quadrangle.....	7, 11
Elk Butte.....	89
Elk Creek.....	19, 82
Elkhorn Creek.....	45
Elkhurst.....	136
Elwood.....	17
Embar quadrangle.....	68, 71
Embar ranch.....	72
Emery's ranch.....	79
Encampment.....	17
Encampment Commercial Co.....	17
Encampment Special quadrangle.....	17
Endicott's ranch.....	50
Enger's, Peter, ranch.....	53
Erickson's ranch.....	111
Evanston.....	114, 137
Evanston quadrangle.....	108, 109, 114, 137
Ewing, Jessie, Canyon.....	109

## F.

Fairview.....	118
Fawcett's ranch.....	49
Fee's, Terence, ranch.....	21
Felix.....	123
Fenton.....	88
Ferris quadrangle.....	32, 36
Fetterman Siding.....	37
Fidler Creek.....	49
Fillmore.....	133
Finrock's ranch.....	24
First Meadow Creek.....	83
Fish.....	82
Fish Creek.....	84, 99, 115
Fisher.....	126
Fisher, C. F., work of.....	51
Fisher's cabin.....	77
Five Mile Creek.....	22
Flat Creek.....	78
Fleming's ranch.....	50
Flying E ranch.....	66
Fort Collins trail.....	8
Fort McKinney quadrangle.....	51, 59
Fort McKinney wood reservation.....	61
Fort Russell Military Reserve.....	8

	Page.
Fort Sanders.....	22
Fort Steele.....	37, 131, 132
Fort Steele quadrangle.....	32, 36, 119
Fort Washakie.....	80
Foster's ranch.....	65
Fourteen Mile ranch.....	101
Francis & Cox ranch.....	98
Francis quadrangle.....	96, 99
Francis ranch.....	19, 99
Franc Peak quadrangle.....	68, 72
Franklin's ranch.....	117
Frannie.....	75
Frannie quadrangle.....	68, 75
Freedom quadrangle.....	117, 118
Freezeout Mountain triangulation station.....	56
Fremont County.....	68, 96
Fremont Peak quadrangle.....	68, 76
Fremont quadrangle.....	119
French.....	19
French Creek.....	19
Frewen quadrangle.....	133
Fuel Section of Geologic Branch, work of.....	109

## G.

Gale triangulation station.....	23
Gannett, S. S., work of.....	5
Gardner, C. C., work of.....	68
Garrard & Snyder's ranch.....	55
Garrett.....	136
Geologic Branch, Fuel Section of, work of.....	109
Germania.....	84
Gillchrist ranch.....	15
Gillette.....	122
Giltner's ranch.....	78
Glaefcke, E. W., work of.....	17, 32, 39, 51, 68, 109
Glendo.....	127
Glenrock.....	37
Glenrock quadrangle.....	32, 37
Glidden's ranch.....	78
Golayar's, John, house.....	87
Golden ranch.....	15
Goodman's ranch.....	114
Gooseberry Creek.....	64, 87, 88
Goshen Hole quadrangle.....	7, 11
Goslins Spring.....	109
Government Canyon.....	45
Granda's mining claim.....	82
Grand Canyon.....	50
Grand Encampment quadrangle.....	17, 18
Grand Teton quadrangle.....	68, 77
Granger.....	136
Granger Ditch.....	51
Granger quadrangle.....	96, 100, 119, 135
Grange Springs.....	101
Granite Canyon.....	14, 129
Grass Creek.....	91
Green River.....	79, 100, 101, 107, 108, 135
Green River Lake.....	76
Green River quadrangle.....	96, 101
Green's ranch.....	67, 93
Greenville.....	132
Grey Bull River.....	88
Gros Ventre quadrangle.....	68, 79
Gros Ventre River.....	84
Guild's ranch.....	115
Gwins ranch.....	91

H.	Page.	K.	Page.
Haines pasture.....	96	Kara.....	121
Hain's ranch.....	50	Kara siding.....	121
Haley ranch.....	21	Keeline.....	126
Halls Bridge.....	24	Keer's ranch.....	55
Hallville.....	134	Kemp, W. L., work of.....	51
Hamilton's, M. A., ranch.....	66	Kendall (old post office).....	79
Hanna.....	25, 131	Kendrick.....	124
Hanna quadrangle.....	25, 26	Kenney's dipping pens.....	18
Hanson ranch.....	33	Kent, J. H., work of.....	109
Hardman's Hollow.....	118	Kerwin quadrangle.....	68
Harper.....	130	Keystone mine.....	25
Harper's, Joe, ranch.....	65	Kier.....	123
Harris ranch.....	45, 91	Killpecker Creek.....	101, 102
Hartville Junction.....	127	Kilpatrick's ranch.....	49
Hartville quadrangle.....	7, 13, 119, 127	Kimble's ranch.....	44
Hasmon ranch.....	16	Kinnear quadrangle.....	68, 80
Hatton.....	22	Kirkpatrick's, James, ranch.....	65
Hay Creek.....	42	Kirwin.....	82
Hay's, Bob, ranch.....	57	Kirwin quadrangle.....	81
Hay's, James, ranch.....	24	Knight.....	137
Hazleton (Smith's ranch).....	60		
Hecla.....	15	L. A K ranch.....	49
Henrys Fork.....	112	Lake Marie.....	25
Hesse ranch.....	60	Lake Marie Pass.....	25
Hiddenwater Creek Springs.....	57	Lame Johnny Creek.....	43
Higby.....	57	Lander.....	103
Hilliard.....	114	Lander Creek.....	99, 104
Hill Line Canal.....	19	Lander quadrangle.....	96, 102
Hills, E. W., work of.....	109	Lang's ranch.....	47
Hill's ranch.....	76	Laramie.....	20, 130
Hog Park.....	18	Laramie County.....	7, 119
Holben's ranch.....	45	Laramie County Home for the Poor.....	8
Holmes.....	24	Laramie quadrangle.....	17, 20, 119, 130
Homer's ranch.....	22, 23	Laramie River.....	13
Hopkins stage station.....	66	Lariat.....	123
Hop, Michael, ranch.....	33	Latham.....	133
Horse Creek.....	53	Leckie.....	104
Horse Creek station.....	16	Leckie quadrangle.....	96, 103
Howell.....	21, 130	Lenore quadrangle.....	68, 83
Huntington, H. W., work of.....	51, 68, 96	Leo quadrangle.....	32, 38
Huston town site.....	18	Leroy.....	137
Hutchin ranch.....	45	Lewis ranch.....	46
Hutton Grove schoolhouse.....	20	Lincoln County.....	68, 96, 108, 117, 119
Hyattville.....	63, 64	Lindsay's ranch house.....	22
		Line Creek.....	69
I.		Linguist's store.....	69
Idaho-Wyoming State line.....	92	Little Bald Mountain.....	52
Ilo quadrangle.....	94	Little Bighorn Canyon.....	53
Inez Siding.....	37	Little Bitter Creek valley.....	107
Iron Creek.....	87	Littlejohn ranch.....	94
Irvine, Chester, work of.....	41	Little Laramie River.....	24
Irvine siding.....	35	Little Missouri River.....	45
Ishawooa.....	74	Little Popo Agie River.....	13
Islay.....	16, 130	Little Sandy Creek.....	99, 104
		Little Wind River.....	80
J.		Lockwood's ranch.....	69
Jackson Lake.....	78	Logan's, George, residence.....	73
James Lake.....	21	Lombard Ferry.....	100
Jenkins's, J. H., ranch.....	19	Lone Grave.....	51
Jerome.....	120	Lonetree.....	112, 113
Jessie Ewing Canyon.....	109	Long's ranch.....	60
Jetsam quadrangle.....	127	Lookout.....	130
Jewell lower ranch.....	100	Lost Creek.....	38
Jewell upper ranch.....	104	Lost Spring.....	126
J K ranch.....	83	Lovell quadrangle.....	68, 84
Johnson County.....	51	Love's cabin.....	18
Johnson siding.....	119	Lusk.....	126
Jones's ranch.....	44	Lusk quadrangle.....	119, 126
Jordan's mill.....	62	Lytle Creek.....	44, 45

M.	Page.		Page.
McCormick Creek.....	65	Nelsons .....	108
McCullough's ranch.....	51	Nelson's ranch.....	26
McFarland, M. C., work of.....	7	Newcastle.....	47, 49, 120
McFarland ranch.....	34	Newcastle quadrangle.....	41, 47, 119
McGinnis ranch.....	108	Newfork.....	104
Madison's ranch.....	44	Newfork quadrangle.....	96, 104
Mail Camp ranch.....	72	Nicht Gulch.....	102
Manville quadrangle.....	119, 126	Nick's, J. S., ranch.....	67
Marse station.....	114	Node ranch.....	126
Marston.....	135	North Brush Creek.....	18
Mary Jane mine.....	103	North Crow Creek.....	129
Massacre Hill.....	65	North Fork.....	96
Mattice B tunnel.....	82	North Fork of Badger Creek.....	67
Mattox ranch.....	61	North Fork of Cheyenne River.....	121
Maxon quadrangle.....	108, 109, 110	North Fork of Clear Creek.....	61
May's ranch.....	77	North Fork of Crazy Woman Creek.....	61
Meade Creek.....	66	North Fork of Fish Creek.....	84
Meade schoolhouse.....	67	North Fork of Owl Creek.....	72
Medicine Bow.....	131	North Fork of Popo Agie River.....	103
Medicine Bow quadrangle.....	17, 23	North Fork of Powder River.....	53
Medicine Bow River.....	27, 38	North Fork of Redwater Creek.....	42
Medicine Lodge Creek.....	64	North Fork of Shoshone River.....	73
Meeteetse.....	87	North Fork of Snake River.....	18
Meeteetse quadrangle.....	68, 87	North Fork of Wind River.....	81, 82
Menkiny's ranch.....	110	North Platte River.....	30, 37
Menor Ferry.....	78	Nowood quadrangle.....	51, 62
Mercer's ranch.....	63	Nowood River.....	62
Meredith, Orr, work of.....	68	Nussle, F. A. work of.....	51, 68, 96
Middle Fork of Clear Creek.....	61		
Middle Fork of Crazy Woman Creek.....	60	O.	
Middle Fork of Shell Creek.....	59	Ohlman.....	56
Middle Fork of Wood River.....	82	Oil Canyon.....	49
Midway.....	108	Oil Creek.....	48
Miller, Donnell, work of.....	17	Oil Spring.....	47
Miller's Canyon.....	110	Old Bill Beck ranch.....	88
Miller's house.....	78	Old Fish Creek shingle mill.....	115
Minturn.....	122	Old Ilo.....	94
Monarch.....	125	Old Kendall.....	79
Monbeck, R. R., work of.....	94	Old Percy.....	26
Monell.....	133	Old Pitchfork ranch.....	95
Montana-Wyoming boundary line.....	75	Old Riverdale.....	42
Montpelier quadrangle.....	108, 116	Old Sherman.....	14
Monument Springs.....	62	Old Wyoming.....	21
Moon's house.....	87	Opal quadrangle.....	119, 136
Moorcroft quadrangle.....	41, 46, 119, 120	Oregon Basin quadrangle.....	68, 87
Moore's, Elijah, ranch.....	19	Oregon Coulee.....	89, 90
Moriarty's, Tom, ranch.....	94	O'Rherson's, Daniel, ranch.....	107
Morrow stage station.....	58	Orin Junction.....	35, 127
Mosquito Lake.....	80	Oriva.....	122
Moss ranch.....	115	Osage.....	49
Mountain Home.....	23	Osborne's house.....	77
Mount Leidy quadrangle.....	68, 84	Otto.....	86, 129
Moyer, C. S., work of.....	96	Otto quadrangle.....	68, 85
Muddy Bridge.....	39	Otto siding.....	14
Muddy Creek.....	59, 87, 99, 103, 115	Owen Poyce ranch.....	33
Mud Springs ranch.....	111	Owl Creek.....	72, 90, 91
Mullen Creek Bridge.....	24	Owl Creek Mountain.....	72
Murray's ranch.....	62	Owl Mountains.....	87
Mush Creek.....	48	Ozone.....	14
		P.	
N.		Parkman.....	56
Names Hill.....	108	Parry, H. G., work of.....	51
Nash & Walling's ranch.....	68	Pass.....	56
Natrona County.....	32	Patrick quadrangle.....	7, 13
Nebraska-Wyoming State line.....	12	Payne ranch.....	22, 65, 66
Needle Rocks.....	117	Pease ranch.....	77
Needles.....	61	Pedro.....	120



V.	
Vail's ranch.....	49
Van Ness's road ranch.....	56
Van Tassel's ranch.....	16
Verona.....	124

Wagon Creek.....	79
Wagon Hound flat.....	95, 96
Wagon Hound springs.....	96
Wakely.....	125
Walcott.....	28, 29, 132
Walcott quadrangle.....	28
Wamsutter.....	133
Warm Springs Creek.....	93
Washbaugh's, George, ranch.....	59
Weaver's lower ranch.....	39
Weems, J. D., work of.....	97, 109
Weir's, L. A., ranch.....	67
Welcome.....	51
Weldon Grove.....	36
Welling.....	63
Wells.....	79
Wendover.....	127
Vessex.....	122
West, F. H., work of.....	51
Westcott County.....	119
West Fork of Black Fork.....	115
Weston County.....	41
West Pass Creek.....	53
Whaley, F. L., work of.....	28
Wheatland.....	13, 127
Whilsett's house.....	88
Whistle Creek.....	76
White Carmen Flat.....	109
White dip pens.....	116
Whitman's ranch.....	50
Whittaker ranch.....	16
Whoop-up Canyon.....	48
Widowfield quadrangle.....	131
Wieland, R. W., work of.....	17, 32
Wild Horse Creek.....	123
Wiley.....	89
Wiley Canal.....	89
Wilkie's ranch.....	45
Wilkins.....	135
Willett Creek.....	59
William ranch.....	59
Williams's, F. M., ranch.....	74
Willow Spring Canyon.....	27
Wilson's store.....	68
Winchester.....	92
Windowfield quadrangle.....	119
Wind River.....	80, 81, 83, 93
Wind River Live Stock Co.....	83
Winstead, W. R., work of.....	11
Wirgand's, J. R., ranch.....	66
Wolf.....	55
Wolf Creek.....	57
Wolfen's ranch.....	67
Wood River.....	82, 87
Woods.....	23
Wood's ranch.....	50
Woodcock's ranch.....	43
Worland.....	64
Worthington, C. E., work of.....	41, 51
Wyoming.....	21, 130
Wyoming-Colorado State line.....	18
Wyoming Hill.....	119



	Page.	Y.	Page.
Wyoming-Idaho State line.....	92	Yeast's upper ranch.....	45
Wyoming-Montana State line.....	75	Yellow Creek.....	114, 117
Wyoming-Nebraska State line.....	12	Yellowstone Forest Reserve.....	81, 103
Wyoming-South Dakota State line.....	50, 119	Younts Peak quadrangle.....	68, 92
Wyoming, southwest corner of.....	116	Y T ranch.....	49
WYT ranch.....	120	Y U ranch.....	88