

## DEGREE QUADRANGLE $38^{\circ}$ - $39^{\circ}$ , $121^{\circ}$ - $122^{\circ}$

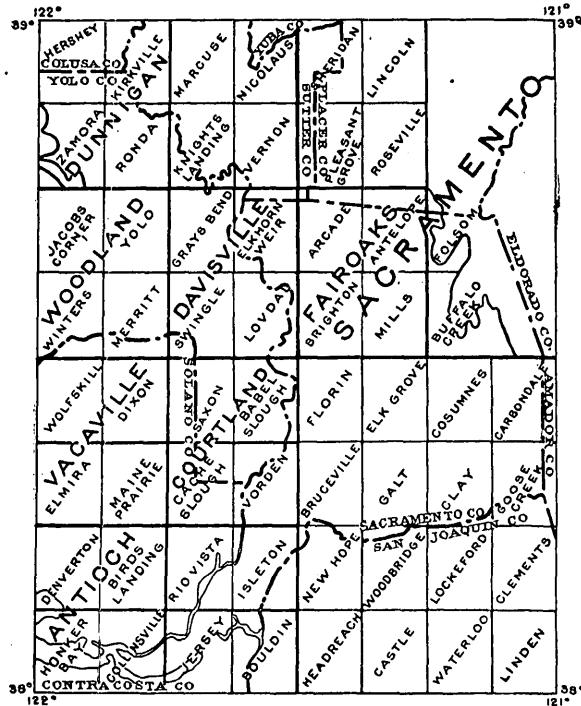


FIGURE 40.—Diagram of degree quadrangle  $38^{\circ}$ - $39^{\circ}$ ,  $121^{\circ}$ - $122^{\circ}$

### ANTIOCH QUADRANGLE

[Latitude  $38^{\circ}$ - $38^{\circ} 15'$ ; longitude  $121^{\circ} 45'$ - $122^{\circ}$ ]

#### CONTRA COSTA AND SOLANO COUNTIES

Precise leveling by L. F. Biggs in 1908

From Madison's blacksmith shop, 3.5 miles southwest of Rio Vista, in Rio Vista quadrangle, along highways south to Toland Landing, thence west along north side of Sacramento River to Collinsville, thence north to Denver-ton, thence west to Fairfield, in Carquinez quadrangle (adjustment in this line 0.000)

Toland Landing, 12-foot mark, United States water gage-----

Toland Landing, 12-foot mark, California water gage-----

Toland Landing, 2.2 miles west of; iron post (U. S. E. D. b. m.

No. 44) -----

Toland Landing, 3.0 miles west of, north side of road, 1 foot south of fence line, 8 feet east of gate, 0.2 mile east of feeding shed, 100 feet north of slough; iron post stamped "10 B"-----

Stratton ranch, summit of small hill, in top of pier 2; aluminum tablet-----

Stratton ranch, summit of small hill, in base of pier 2; copper bolt-----

Feet
8.843
7.080
15.716
10.545
38.472
34.742

	Feet
Collinsville, 12-foot mark, United States water gage-----	5.133
Collinsville, 10-foot mark, California water gage-----	6.050
Collinsville, 0.5 mile north of, at crossroads, southwest corner of schoolhouse; iron post stamped "5 B." (Elevation by U. S. Coast and Geodetic Survey 5.01 feet above mean tide level)-----	5.509
Birds Landing, southeast corner of yard of Willow Springs school, west side of road; iron post stamped "58 B"-----	58.273
Montezuma, southeast corner of yard of school; iron post stamped "41 B"-----	41.731
Denverton, 5 feet west of northeast corner of blacksmith shop, in front of schoolhouse; iron post stamped "7 B"-----	7.141
T. 5 N., R. 1 W., southeast corner of sec. 29, 35 feet north of culvert, on east side of road to north; iron post stamped "15 B"-----	15.270
Fairfield courthouse, 2.7 miles east of, 100 feet east of water tank, on south side of road; iron post stamped "15 B"-----	15.183

**Primary leveling by R. A. Farmer in 1905**

**From Denverton east to sec. 36, T. 5 N., R. 1 E.**

T. 5 N., R. 1 E., northeast corner of sec. 36, east side of road; iron post stamped "17 B"-----	17.811
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**Primary leveling by J. A. Vogelson in 1896**

**From sec. 29, T. 5 N., R. 1 W., south to Potrero Hills**

Potrero Hills, on line between secs. 3 and 4, 0.5 mile south of north line of sections, opposite gate to Sylvester Pimental's ranch, 5.5 miles east to Suisun; iron post stamped "49"-----	49.529
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**From Birds Landing eastward, via Peter Anderson's place to point near Toland Landing**

Birds Landing, 5 miles southeast of, at Peter Anderson's place, 10 feet west of gate to barn, on south side of road; iron post stamped "110 B"-----	110.748
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**Primary leveling by R. A. Farmer in 1905**

**From sec. 35, T. 5 N., R. 1 E., southeast to Rio Vista**

T. 4 N., R. 2 E., corner of secs. 3, 4, 9, and 10, 300 feet southwest of M. Egbert's white house, west side of road; iron post stamped "32 B"-----	32.327
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T. 4 N., R. 2 E., corner of secs. 11, 12, 13, and 14, east side of road; iron post stamped "19 B"-----	19.360
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**From Concord north along road to Bay Point, thence east along Southern Pacific R. R. to Black Diamond**

McAvoy's siding, in corner of fence southwest from southwest corner of warehouse; iron post stamped "22"-----	23.308
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Pittsburg, Black Diamond, in primary school yard, near Contra Costa Bank; iron post stamped "21"-----	20.736
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Pittsburg, Black Diamond Hotel, tack on porch of, midway between two doors, 4 inches from side of house <sup>1</sup> -----	7.736
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<sup>1</sup> The above bench mark is, as nearly as could be determined, the datum of the level system of the State engineering department, the elevation of which above the mean "lowest low tide," as resulting from tidal observations made at New York Landing during the months of October, November, and December, 1878, is 11.22 feet.

## From Cornwall east along Southern Pacific R. R. to Antioch

	Feet
Antioch School, in rear wall of foundation; bronze tablet stamped "35"	35.745
Antioch, in front of station; top of rail-----	43.9

## BOULDIN, ISLETON, JERSEY, AND RIO VISTA QUADRANGLES

[Latitude  $38^{\circ}-38^{\circ} 15'$ ; longitude  $121^{\circ} 30'-121^{\circ} 45'$ ]

## CONTRA COSTA, SACRAMENTO, SAN JOAQUIN, AND SOLANO COUNTIES

Precise leveling by L. F. Biggs in 1907

## From point near Ryde southwest along northwest side of Sacramento River

	Feet
Pier No. 10, Sacramento County, in town of Ryde, on property of W. A. Kesner, 250 feet west of levee, in northwest corner of alfalfa patch adjoining levee, 375 feet northwest of W. A. Kesner's house, 750 feet north of pumping station on south side of road near junction with levee; aluminum tablet in top of pier-----	7.916
Pier No. 10; copper bolt in base-----	4.321
Ryde; gage zero (below sea level)-----	-4.066
Ryde, water gage, west end of pier; 15-foot mark-----	10.984
Pier No. 9, Sacramento County, Andrus Island, on property of Jane Smith, 4 miles north of Isleton, at edge of open space in orchard, on line of wire fence which marks boundary between property of Jane Smith and George Nelson, 150 feet east of intersection of levee with said wire fence, 1,000 feet southeast of house of Jane Smith, 0.5 mile west of pumping station on Georgiana Slough; aluminum tablet in top of pier-----	9.525
Pier No. 11; copper bolt in base-----	5.806
Pier No. 8, Sacramento County, on Grand Island, on property of Stern & Co., 0.5 mile northeast of Isleton, near end of row of poplar trees running north from levee, 280 feet from junction of said row and levee, 1,000 feet northwest of house, near dividing line between property of Mrs. Buckley and that of Stern & Co.; aluminum tablet in top of pier-----	6.407
Pier No. 8; copper bolt in base-----	2.813
Rio Vista, 1.9 miles north of, 100 feet east of saloon, near ferry landing, 60 feet west of river, east side of road, in top of 6 by 6 inch timber; nail-----	9.829
Rio Vista ferry; gage zero (below sea level)-----	-3.843
Rio Vista, water gage; spike in 16.4 foot mark-----	12.921
Rio Vista; gage zero (below sea level)-----	-3.479
Rio Vista, southeast corner of bank building, 2 feet above sidewalk; aluminum tablet stamped "23 B 1905 F 17"-----	22.985
Pier No. 6, Solano County, 0.3 mile south of Rio Vista, 0.3 mile west of southern end of Wood Island, just above edge of swamp in river bottom; tablet in top of pier-----	29.409
Pier No. 6; copper bolt in base-----	25.718
Rio Vista, 3.5 miles southwest of, 100 feet from southwest corner of Madison's blacksmith shop, north corner of field, east side of road; iron post stamped "B 54 1907 F 20"-----	54.382

**From point near Walnut Grove southwest along southeast side of Sacramento River**

	Feet
Pier No. 11, Sacramento County, in town of Walnut Grove, on property of Mary L. Wise, 0.5 mile north of post office, near fence on southwest side of corral surrounding barn, in line with short row of fruit trees running northeast from levee, 250 feet northeast of house near levee, 400 feet east of large oak tree on river bank marking corner in north boundary of property of Mary L. Wise; aluminum tablet in top of pier-----	8.774
Pier No. 11; copper bolt in base-----	5.152
Walnut Grove; gage zero (below sea level)-----	-0.834
Georgiana Slough; gage zero (below sea level)-----	-5.169
Isleton; gage zero (below sea level)-----	-4.087
Ida Island, south of east end of G. F. Terschman's house, 85 feet west of, 200 feet south of Sacramento River; iron post stamped "5 B 1906 N"-----	5.503
Pier No. 7, Sacramento County, on Brannan Island, on property of J. Desrosier, 2 miles west of Isleton, and 0.25 mile above Rio Vista ferry, in northeast corner of orchard, 275 feet south of levee, 225 feet south of house, 110 feet southeast of barn; aluminum tablet in top of pier-----	6.805
Pier No. 7; copper bolt in base-----	3.121

**Precise leveling by L. F. Biggs in 1908**

**Near Toland Landing (see Antioch quadrangle)**

Toland Landing, summit of Blue Gum Hill, in top of pier 4; aluminum tablet-----	120.080
Toland Landing, summit of Blue Gum Hill, in base of pier 4; copper bolt-----	116.390

**Primary leveling by C. L. Nelson in 1906 and B. A. Jenkins in 1908**

**From Toland Landing south across Sherman Island to north bank of San Joaquin River, thence west to Antioch**

Toland Landing, 3.9 miles south of, at south end of road crossing Sherman Island southward from Tolands Landing, at turn 0.5 mile south of pump house, 100 feet north of San Joaquin River, south of road, 0.25 mile east of house; iron post stamped "-1 1906 B. N." (below sea level)-----	-0.942
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**From Rio Vista north by Steamboat Slough and Sutter Slough to fork of Sutter and Steamboat sloughs**

Rio Vista, 3.7 miles north of, 0.8 mile south of Westgate's place, 250 feet west of river, 200 feet west of house on north side of road; iron post stamped "-1 B. N. 1906" (below sea level)-----	-0.570
Walkers Landing, 0.7 mile north of, west side of road, 150 feet west of Steamboat Slough, 250 feet northwest of J. Hollenbeck's house; iron post stamped "4 1906 B. N."-----	4.160

**From Walnut Grove south along east side of Tyler Island and west to Rio Vista**

Feet	
-0. 528	Tyler Island, east side of road across island, 200 feet west of Mokelumne River, on ranch "J" of Bauman property, 0.25 mile south of pump house; iron post stamped "-1 N 1906" (below sea level) --
0. 278	Camp C, 140 feet east of house, 100 feet north of Mokelumne River, 100 feet northwest of barn; iron post stamped "0 1906 B. N." ---
3. 600	Tyler Island ferry landing, 150 feet west of, north side of road, 50 feet west of saloon; iron post stamped "3 1906 B. N." -----

**From point 5.1 miles southwest of Bracks Landing via Brack's pump house and Staten Island to Brannan's ranch "J"**

-0. 528	Tyler Island, east of road, 200 feet west of Mokelumne River, on ranch "J" of Brannan's property, 0.25 mile south of pump house; iron post stamped "-1 1906" (below sea level) -----
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**Primary leveling by R. A. Farmer in 1905**

**From Hagansville southwest along North Fork of Mokelumne River to Golden State cannery, thence south and west to Andrus Island pump house, thence north to Isleton**

-3. 14	Hagansville, 250 feet east of Staten Island pump house, on bridge across canal; bolthead painted "U. S. -4 B. M. 36" (below sea level) -----
-0. 714	Staten Island pump house, 1.8 miles south of, 20 feet south of house camp 8, at corner of garden; iron post stamped "-1 B 1908 20" (below sea level) -----
4. 47	Golden State cannery, 100 feet south of, in cottonwood tree; aluminum tag stamped "4-47" (U. S. Corps of Engineers bench mark 26) -----
-1. 280	Golden State cannery, 1 mile south of, at southeast corner of China House, 100 feet west of Mokelumne River; iron post stamped "-2 B 1908 21" (below sea level) -----
-8. 02	Golden State cannery, 1.7 miles southwest of, at angle in canal, 1 mile west of pumping plant, in post painted "U. S. -8 B. M." aluminum tag stamped "-8 48" (below sea level) -----
-0. 669	Andrus Island, at Jackson Dam, where Isleton road leaves levee and where Jackson Slough joined main slough before it was drained, 50 feet west of house, 10 feet west of road; iron post stamped "-1 B 1908 22" (below sea level) -----
-0. 402	Isleton, 1.8 miles south of, where road to Golden State cannery leaves Jackson Slough, 50 feet north of barn, at road angle; iron post stamped "B-1908 -1 23" (below sea level) -----

**BUFFALO CREEK AND FOLSOM QUADRANGLES**

[Latitude  $38^{\circ} 30'$ - $38^{\circ} 45'$ ; longitude  $121^{\circ}-121^{\circ} 15'$ ]

**ELDORADO AND SACRAMENTO COUNTIES**

**Primary leveling by L. F. Biggs and B. A. Jenkins in 1908**

**Point 1.8 miles northwest of Slough House**

Feet	
151. 052	Slough House, 1.8 miles northwest of, where Grant Line road intersects Sacramento-Jackson road; iron post stamped "150 B 1907 30" -----

**From forks of road 1 mile east by 3.5 miles north of Twelvemile House east to Bridge House, on Folsom road**

	Feet
Twelvemile House, 4.5 miles east by 3 miles north of, east of road, at angle; iron post stamped "201 B 1908 6"	201. 025
Twelvemile House, 8 miles east by 3 miles north of, on summit, 0.5 mile west of ranch house; iron post stamped "250 B 1908 7"	250. 52

**From Bridge House north to Folsom**

Scott ranch, 2.2 miles south of, on Sacramento-Latrobe road, at gate to private road from south; iron post stamped "184 B 1908 9"	184. 800
Scott ranch, 1.6 miles south of, 20 feet west of road, 0.4 mile north of angle in road, in notch in base of 36-inch oak tree; nail with aluminum tag stamped "206 22"	206. 42
Scott ranch, 1 mile north of, 60 feet west of road, in large boulder; tablet stamped "198 B 1908 8"	198. 393
Scott ranch, 1.7 miles north of, 200 feet north of private road from west, east of road, in notch in root of 48-inch oak tree; nail scribed and painted "U. S. B. M. 211 30"	211. 36
Scott ranch, 3.6 miles north of, 100 feet south of big bridge, at east edge of road, in ledge; aluminum tablet stamped "225 1908 B 11"	225. 823
Folsom, 5 miles south of, 100 feet east of intersection of roads, in center of road; point on large boulder painted "U. S. G. S. B. M. 341 25"	341. 97
Folsom, 3 miles south of, 60 feet south of Alder Creek bridge, at east edge of road; iron post stamped "237 B 1908 12"	237. 867
Folsom, northeast corner of Catholic Church lot; iron post stamped "224 B 1908 13"	224. 398
Folsom, in front of station; top of rail	193. 9

**From Folsom west to Fairoaks**

Orangevale, 0.5 mile west by 2 miles south of, at intersection of roads; iron post stamped "246 B 1908 15"	246. 443
Fairoaks, 2.9 miles northeast of, northwest angle of crossroads, in notch in base of 15-inch oak tree; nail with aluminum tag stamped "249 32"	249. 21

**From Folsom southwest along road via Natoma to Salisbury**

Folsom, 100 feet southwest of bridge over American River, in top of large flat boulder; aluminum tablet stamped "162 B 1908 14"	162. 509
Folsom, 0.7 mile west of, north of road, at fence line (U. S. Corps of Engineers <sup>2</sup> bench mark "58 1885")	185. 41
Folsom, U. S. Corps of Engineers bench mark No. 57	181. 204
Folsom, 3.3 miles west of, north of road, at fence line; iron post stamped "167 7 B. M. 51" (U. S. Corps of Engineers bench mark No. 51)	164. 582
Folsom, 3.5 miles west of, stone bridge over Alder Creek, southeast corner of granite guard; aluminum tablet stamped "155 B 1908 B. A. 1"	155. 774
Natoma, 0.7 mile west of, south of road, at fence line; iron post stamped "139 7 B. M. 43" (U. S. Corps of Engineers bench mark No. 43)	136. 579
Natoma, 1.7 miles west of, south of road, at fence line; iron post stamped "127 3 B. M. 41" (U. S. Corps of Engineers bench mark No. 41)	124. 187

<sup>2</sup> Locally known as U. S. Engineer Department.

	Feet
Natoma, 2 miles west of, southeast corner of bridge over Buffalo Creek, top of granite guard; aluminum tablet stamped "129 B 1908 B. B. 1"-----	129. 562
From point near Roseville east and south to Orangevale	
Roseville, 0.4 mile south by 1.9 miles east of, south of road, at fence line, on boulder; chisel point painted, "237 B. M. 100"-----	237. 41
Orangevale, 5.5 miles north of, south of road junction, in fence corner; iron post stamped "236 B 1908 B. Y."-----	236. 008
Orangevale, 4 miles north of, at junction of roads, 50 feet south of bridge, at fence corner, in base of 24-inch oak tree; spike with aluminum tag stamped "195 B. M. 102"-----	195. 62
Orangevale, 2.5 miles north of, 500 feet south of white house, east of road, at junction in fence corner; iron post stamped "203 B 1908 B. Z."-----	203. 593

## COURTLAND QUADRANGLE

[Latitude 38° 15'-38° 30'; longitude 121° 30'-121° 45']

## SACRAMENTO, SOLANO, AND YOLO COUNTIES

Precise leveling by L. F. Biggs in 1907

From point near Glide Gun Club south along west bank of Sacramento River

	Feet
Glide Gun Club, 0.5 mile south of, on fence line between Glide and Content, 300 feet south of Manuel Content's house, 150 feet west of levee, 20 feet south of southwest corner of woodhouse; iron post stamped "16 B 1905 F 3"-----	16. 572
Pier No. 18, Yolo County, 1.5 miles west of Freeport, on property of Lizzie H. Glide, near oak tree by fence on east side of property, 375 feet south of schoolhouse adjoining levee on right bank of river, and 0.25 mile east from wharf and group of buildings belonging to Lizzie H. Glide; aluminum tablet in top of pier-----	16. 439
Pier No. 18; copper bolt in base-----	12. 821
Freeport, 0.5 mile north of, 40 feet from northeast corner of Anton Fernando's house, west side of road, northeast corner of house lot; iron post stamped "21 B 1905 F 4"-----	21. 412
Clarksburg, 0.5 mile north of, 100 feet east of Merritt School, inside fence; iron post stamped "14 B 1905 F 5"-----	14. 823
Pier No. 16, Yolo County, in town of Clarksburg, on property of Ella P. W. Smith, in south corner of pear orchard inclosed by wire fence, 375 feet southwest of Ella P. W. Smith's house adjoining levee on east side of orchard, 700 feet south of schoolhouse, 1,000 feet northwest of store and post office managed by Cave & Co.; aluminum tablet in top of pier-----	13. 989
Pier No. 16; copper bolt in base-----	10. 345
Clarksburg; gage zero (below sea level)-----	-3. 822

NOTE.—The foot graduations above 20-foot mark are numbered 1 foot too great; thus, 21 is numbered 22.

Clarksburg; 2.2 miles south of, 40 feet south of Ross's house, 200 feet west of Sacramento River; iron post stamped "19-1906 B N"-----

Courtland, 2.0 miles north of, 20 feet east of road, 150 feet west of drainage corral, 260 feet north of levee; iron post stamped "10 1906 B N"-----

19. 566

10. 460

	Feet
Pier No. 14, Yolo County, 1 mile north of Courtland, on property owned by J. L. McFadden, in southwest corner of pasture inclosed by wire fence, 750 feet west of J. L. McFadden's house, 400 feet west of barn, which is 480 feet southwest of house (both buildings adjoin levee); aluminum tablet in top of pier-----	11. 588
Pier No. 14; copper bolt in base-----	7. 914
Grand Island, north corner of bridge abutment; aluminum tablet stamped "B 20 1906 N"-----	20. 256
Pier No. 12, Sacramento County, Grand Island, on property of Isaac G. Hall, 0.5 mile south of Vorden, on fence line on south edge of orchard, 10 feet north of road running west from levee, 160 feet west of large frame house owned by California Transportation Co., in southeast corner of orchard at junction of road and levee, 0.25 mile south of pumping station on west bank of river; aluminum tablet in top of pier-----	10. 897
Pier No. 12; copper bolt in base-----	7. 283
<b>From point near Lisbon School south along east bank of Sacramento River</b>	
Freeport ferry, in front of ferryman's house, north side of road, in top of hitching post; nail-----	28. 392
Pier No. 17, Sacramento County, 1.5 miles south of Freeport, on property of J. H. Beach, at southeast corner of storehouse, 450 feet south of vertex of angle formed by junction of railroad grade with levee, 75 feet north of house and 200 feet west of barn of J. H. Beach, 35 feet north of private road from levee through property of J. H. Beach, 125 feet northeast of junction of private road with levee; aluminum tablet in top of pier-----	16. 861
Pier No. 17; copper bolt in base-----	12. 143
Pier No. 15, Sacramento County, 4 miles northeast of Courtland, on property of the William Johnston estate, in south corner of inclosure south of and adjoining house, 200 feet south of house, 100 feet southwest of windmill, 240 feet northwest of creamery, 185 feet from intersection of fence with levee; aluminum tablet in top of pier-----	13. 353
Pier No. 15; copper bolt in base-----	9. 638
Courtland; gage zero (below sea level)-----	—3. 941
Courtland, south wall of Bauer, Miller & Newbert's store; aluminum tablet stamped "14 B 1906 N"-----	14. 315
Pier No. 13, Sacramento County, in town of Paintersville, on property owned by Maggie V. Painter, 2 miles south of Courtland, 3 feet from south side of high board fence of corral, 30 feet east of two large oak trees standing 20 feet apart, 300 feet southeast of house of Maggie V. Painter, 140 feet east of barn on east side of levee below house, 200 feet from levee; aluminum tablet in top of pier-----	10. 661
Pier No. 13; copper bolt in base-----	6. 962
Vorden; gage zero (below sea level)-----	—4. 692
Grand Island, 4 miles south of bridge, 250 feet southeast of E. B. King's house, 150 feet northeast of Sacramento River levee, 100 feet northeast of cross levee; iron post stamped "8 B 1906 N"-----	8. 411
Grand Island bridge, about 4.1 miles southeast of, 0.9 mile east of E. B. King's house, in base of tree; spike (Sacramento Southern R. R. bench mark)-----	13. 018

Primary leveling by R. A. Farmer in 1905, by C. L. Nelson in 1906, and by B. A. Jenkins in 1908

From Tremont east 4 miles, thence south 6.5 miles, east 2 miles, south 3 miles, and west to Binghamton

	Feet
Bulkey's ranch, southeast corner of yard, west side of road; iron post stamped "34 B"-----	34. 673
Hance Timm's house, 400 feet southeast of, west side of road; iron post stamped "31 B"-----	31. 884
Jud King's ranch house, 0.5 mile west of, southeast corner of sec. 36, T. 7 N., R. 2 E., southeast corner of field; iron post stamped "21 B"-----	21. 258
T. 6 N., R. 2 E., near northeast corner of sec. 24, southeast corner of pasture fence; iron post stamped "8 B"-----	7. 959
T. 6 N., R. 2 E., 1 mile east by 0.25 mile north of Peter's house, southeast corner of field; iron post stamped "17 B"-----	17. 671

From Jud King's ranch house east 2 miles (double spur line)

Jud King's ranch house, 2 miles east of, on north and south fence line, 50 feet east of levee, 150 feet southeast of dead tree on levee; iron post stamped "9 B"-----

9. 327

Bench mark at forks of Sutter and Steamboat sloughs

Forks of Sutter and Steamboat sloughs, 0.7 mile north of, 0.25 mile northwest of H. M. Donaldson's ranch house, 300 feet west of Sutter Slough, in northwest corner of orchard lot; iron post stamped "6 1906 B. N."-----

6. 476

From Courtland southeast to Walnut Grove

Grand Island, at head of Steamboat Slough, 0.5 mile north of bridge, at Kercheval House; zero of gage (below sea level)-----  
Grand Island bridge, 3 miles east of, 100 feet southeast of schoolhouse, 0.25 mile northwest of pump house, at southeast corner of yard, west side of road; iron post stamped "-2 B. N. 1906" (below sea level)-----

-3. 838

-1. 938

From Courtland north, east, and southeast to Pierson District creamery, thence east to Franklin road

Courtland, 1.2 miles north of, at east edge of levee, 15 feet south of school, in 24-inch oak tree; nail with aluminum tag stamped "17 41"-----

16. 834

Franklin, 4.3 miles southwest by 5 miles west of, on south edge of second-class road, 600 feet southeast of creamery, in pyramid on root of 30-inch oak tree; nail with aluminum tag stamped "6 39"-----

6. 10

#### DAVISVILLE QUADRANGLE

[Latitude  $38^{\circ} 30' - 38^{\circ} 45'$ ; longitude  $121^{\circ} 30' - 121^{\circ} 45'$ ]

#### SACRAMENTO AND YOLO COUNTIES

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

From Davisville east along Southern Pacific R. R. to Broderick

Davisville, in front of Davis station; top of rail-----

Feet

Davisville, 0.4 mile east of, south side of track, 5 feet from mile post 77; iron post stamped "42 B"-----

48. 0

42. 660

	Feet
Davisville, 3.3 miles east of, south side of track, 18 feet south of milepost 80, on fence line; iron post stamped "28 B"-----	28.207
Swingle, in front of station; top of rail-----	28.7
Webster, in front of station; top of rail-----	22.8
Webster, 1.5 miles east of, south side of track, 5 feet west of milepost 88; iron post stamped "14 B"-----	14.622
Milepost 86, 4 feet north by 15 feet east of, south side of track; iron post stamped "17 B"-----	17.900
Broderick, in front of station; top of rail-----	26.9
Sacramento, in front of station; top of rail-----	30.2
Sacramento, at foot of L St., south end of steamer shed; 34-foot mark of the United States Weather Bureau gage (determined by R. A. Farmer, 1905, as 12.659 feet above b. m. 21B)-----	34.083

**Primary leveling by G. C. Douglas and R. A. Farmer in 1905**

**From Sacramento northwest along highway to Woodland**

Elkhorn, 7.7 miles south of, water tank on east side of levee road, in front of Lehman's hop yard, 3 feet north of foundation to tank; iron post stamped "32 B"-----	32.698
Elkhorn, 3.9 miles south of, northwest corner of foundation to Taylor monument; small cross cut in granite block set in brick, marked "U. S. G. S. 29"-----	29.43
Elkhorn, 2.9 miles south of, 300 yards west of John Merkley's house, at corner of grove; stone monument marked "U. S. B. M. 72"-----	20.29
Elkhorn, 2.8 miles south of, west corner of cement-foundation water tank on levee, opposite John Merkley's place; aluminum tablet stamped "32 B"-----	32.575
Elkhorn, southwest corner of stone house by watering trough, on road to Woodland; iron post stamped "27 B"-----	27.345
Elkhorn, 3.6 miles west of, south side of road, 340 feet east of section corner; iron post stamped "23 B"-----	23.595

**At Grays Bend**

Knights Landing, 6.1 miles southeast of, 200 feet northwest of Mr. Weisman's house at Grays Bend, west side of road, at foot of levee; iron post stamped "29 B"-----	29.743
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**From Elkhorn Weir to Elkhorn**

Elkhorn, 3 miles north of, 400 feet north of Dillon's house, 50 feet west of levee, on fence line; stone monument (U. S. B. M. 69)-----	26.069
Elkhorn, 2.9 miles north of, 200 feet south of Dillon's house, at north end of Elkhorn Weir, top of west end of wall; aluminum tablet stamped "30 B"-----	30.620
Elkhorn, 2.9 miles north of, 60 feet south of Dillon's house, stone monument (U. S. B. M. 70)-----	30.52

**Precise leveling by L. F. Biggs in 1907**

**From Sacramento south along west bank of Sacramento River**

Sacramento, United States Weather Bureau gage at corner of Southern Pacific R. R. freight shed, foot of L St.; nail in notch of 30-foot mark-----	30.079
L Street gage zero-----	0.079
United States gage zero-----	0.053
Southern Pacific gage zero (below sea level)-----	-4.301

	Feet
Pier No. 22, Yolo County, 1 mile northwest of Broderick, on property of Valentine Hauser, 250 feet west of levee, 500 feet west of Sacramento River, on line of wire fence running east and west between two pastures; aluminum tablet in top of pier-----	22. 790
Pier No. 22; copper bolt in base-----	19. 098
Broderick, 3.0 miles south of, west side of road, in front of hop-storing house on Faris place; iron post stamped "B 29 1905 F 1"-----	29. 231
Pier No. 20, Yolo County, 5 miles southwest of Broderick, 500 feet west of Sacramento River levee, on property of Pauline U. Gruhler, in corner of fence; aluminum tablet in top of pier-----	19. 285
Pier No. 20; copper bolt in base-----	15. 640
Riverside, opposite, 300 feet south of Machardos's house, 20 feet south of road; iron post stamped "22 B 1905 F 2"-----	22. 875

**From Sacramento south along east bank of Sacramento River**

Pier No. 21, Sacramento County, in outskirts of Sacramento, on property of W. W. Burler, in northwest corner of hopyard west of and adjoining Riverside Road, 30 feet from levee on east side of Sacramento River, 600 feet west from saloon of E. H. Hoppe, 0.25 mile northwest of end of electric car line, 0.5 mile south of Odd Fellows' Cemetery; aluminum tablet in top of pier-----	21. 737
Pier No. 21; copper bolt in base-----	18. 091
Sacramento, Southern Pacific R. R. bench mark, in base of tree at railroad crossing; spike-----	18. 627
Pier No. 19, Sacramento County, 4 miles north of Freeport and 1.25 miles below brickyard on left bank of Sacramento River, on property of Joe Tash, 225 feet east of levee, on south side of private road leading from county road to house of Joe Tash, 125 feet northeast of barn, 300 feet southwest of windmill, and 720 feet southwest of junction of county and private road; aluminum tablet in top of pier-----	18. 366
Pier No. 19; copper bolt in base-----	14. 688

**DUNNIGAN QUADRANGLE**[Latitude  $38^{\circ} 45'-39^{\circ}$ ; longitude  $121^{\circ} 45'-122^{\circ}$ ]**COLUSA, SUTTER, AND YOLO COUNTIES**

Primary leveling by C. H. Semper in 1904 and by W. H. Monahan in 1908

From Hershey southeast along Southern Pacific R. R. to Yolo

	Feet
Hershey, 50 feet west of track, at road crossing, 50 feet north of Colusa-Yolo county line; iron post stamped "137 B"-----	137. 726
Dunnigan, 60 feet north of station, at edge of park fence; iron post stamped "67 B"-----	67. 618
Dunnigan, 3.2 miles south of, 50 feet east of milepost 101, 60 feet east of track, at road crossing; iron post stamped "45 B"-----	45. 555
Zamora, 0.6 mile north of, 0.2 mile south of milepost 98, east of track, on right of way at public-road crossing, sec. 17, T. 11 N., R. 1 E., at corner of fence; iron post stamped "46 B"-----	46. 441
Ronda station, at road crossing near milepost 94.7, east of track at corner of right of way fence; iron post stamped "54 B"-----	54. 793

From College City southeast and south to point near Dunnigan	Feet
John's School, 1.1 miles north of, fence at southeast angle of cross-roads; iron post stamped "43 B"-----	43. 617
Spanish ranch house, 1.6 miles north of, south side of county line, at entrance to ranch; iron post stamped "47 B"-----	47. 624
Vombreyman's ranch, at fence line, northeast angle of road to north; iron post stamped "36 B"-----	36. 302
From Sam Hines ranch via Howell Point to Rough and Ready Landing	
Wilkins Slough School, at west end of fence, road in front of school; iron post stamped "32 B"-----	32. 740
Wilkins Slough School, 2.3 miles south of, at road to J. M. Miller's ranch house; iron post stamped "34 B"-----	34. 763
Howells Point, entrance to landing, Yolo-Colusa county line; iron post stamped "37 B"-----	37. 983
Howells Point, 1.8 miles south of, gate leading to Ern Miller's ranch house; iron post stamped "31 B"-----	31. 671
Rough and Ready Landing, at junction of canal and river, south side of canal, 40 feet west of large oil tank; iron post stamped "40 B"-----	41. 233
From Knights Landing west 4.9 miles, thence north to Rough and Ready Landing	
Zamora post office, 4.3 miles east of, at crossroads to Yolo and Grimes Landing, northeast angle of roads; iron post stamped "41 B"-----	41. 777
From Zamora east 4.3 miles	
Zamora, 2.5 miles east of, at corner of gate to barnyard of F. Schliemann's ranch house; iron post stamped "49 B"-----	49. 693
From Dunnigan southwest and south along county road to point near Brimley ranch	
Brimley ranch, 1 mile north of, summit between Dunnigan and Fairview School, east side of road; iron post stamped "333 B"-----	333. 803
From point 6.3 miles west by 1 mile north of Marcuse via Kirkville to point near Sutter School	
Kirkville, 2.5 miles south of, 3 miles north of Sutter School, at angle in road at east side, 500 feet south of deserted building; in angle of road where road turns east from river 0.5 mile and north again, 2 miles south of Perry Hyatt's place; iron post stamped "Prim. Trav. Sta. No. 160 Cal 1908 33"-----	33. 460
Sutter School, in county road, 2 feet from fence near northeast corner of schoolhouse yard; iron post stamped "Prim. Trav. Sta. No. 161 Cal 1908 36"-----	36. 344
From Kirkville north by road to point 3.6 miles north of Salem School	
Kirkville, 2 miles north of, east of road which passes through small grove of oak trees, 0.5 mile south of Mr. Correll's place, at base of small oak tree; iron post stamped "Prim. Trav. Sta. No. 200 1908 28"-----	28. 859
Salem school, 1.4 miles north of, on east side of road, under large black-oak tree, 2,000 feet north of H. Poffenberger's place; iron post stamped "Prim. Trav. Sta. No. 210 Cal 1908 42"-----	43. 011

FAIROAKS QUADRANGLE, COMPRISING ANTELOPE, ARCADE, BRIGHTON, AND MILLS  $7\frac{1}{2}'$  QUADRANGLES[Latitude  $38^{\circ} 30'-38^{\circ} 45'$ ; longitude  $121^{\circ} 15'-121^{\circ} 30'$ ]

## PLACER AND SACRAMENTO COUNTIES

Primary leveling by L. D. Ryus in 1901

From Sacramento northeast to San Juan School

Sacramento, in north wall of post office, 15 feet east of northwest corner, 5 feet above ground; aluminum tablet "31 B" -----

Feet  
31.086

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

From Sacramento southeast along Southern Pacific R. R. to Brighton

Sacramento, 300 feet east of Capitol, in top surface of meridian stone; aluminum tablet stamped "21 B" (elevation by Coast and Geodetic Survey is 2,876 feet higher) -----

21.424

Sacramento, at Thirteenth St. crossing; top of rail -----

21.8

Sacramento, at Twenty-fifth St. crossing; top of rail -----

24.5

Brighton, in front of station; top of rail -----

42.9

Brighton, 200 feet south of station, 20 feet west of track, at telegraph pole; iron post stamped "41 B" -----

41.598

Brighton, 3.2 miles south of, 6 feet south of milepost 131, east side of track; iron post stamped "36 B" -----

36.296

Primary leveling by L. D. Ryus in 1901 and by L. F. Biggs and B. A. Jenkins in 1908

From Sacramento northeast to San Juan School, thence to Fair Oaks, south to Soudan, southwest along Southern Pacific R. R. to Routier, south to Walsh station, and northwest along Southern Pacific R. R. to Brighton

Sacramento, 3 miles northeast of State Capitol, at intersection of roads; iron post stamped "39 B" -----

39.723

Ben Ali, 2.5 miles east of, 150 feet west of windmill, at intersection of roads; iron post stamped "69 B" -----

69.076

San Juan School, 1 mile east of, southeast corner of field, at intersection of roads; iron post stamped "191 B" -----

191.125

Fair Oaks Junction, 300 feet east of switch, at southeast corner of field, north of track; iron post stamped "113 B" -----

113.473

Routier, opposite station, north of county road; iron post stamped "69 B" -----

69.326

Walsh, at southwest corner of field, opposite saloon; iron post stamped "64 B" -----

64.603

From Sacramento north along Marysville road to forks of road at northwest corner of sec. 19, T. 10 N., R. 5 E., thence east to quarter corner on south side of sec. 10, T. 10 N., R. 6 E., thence south to Fair Oaks

Sacramento, 5 miles north of Capitol, 250 feet north of house, 100 feet west of corner at L. of road; iron post stamped "28 B" -----

28.333

T. 10 N., R. 5 E., northwest corner of sec. 19, at intersection of road running east from main road; iron post stamped "31 B" -----

31.262

T. 10 N., R. 5 E., southwest corner of sec. 13, 1 mile south of Center Union School, east side of road, at angle to north; iron post stamped "89 B" -----

89.351

	Feet
Antelope, 2 miles northeast of, at edge of Southern Pacific R. R. right of way, north of road at crossing, west of track; iron post stamped "146 B"-----	146. 450
T. 10 N., R. 6 E., near center of sec. 26, southeast corner of Sylvan School yard, at crossroads; iron post stamped "151 B"-----	151. 612
From forks of road 2.6 miles east of Riego south to center line of T. 10 N., thence east 2.25 miles to Fork road near Dry Creek, thence south and southwest to Sacramento	
Roseville, 8.6 miles west by 2.6 miles south of, in southwest angle of crossroads, 0.25 mile east of southeast corner of sec. 16, T. 10 N., R. 5 E., 1,000 feet south of white house, in fence corner; iron post stamped "61 R"-----	61. 662
Dry Creek, 0.4 mile west of, west of road, between secs. 14 and 23, T. 10 N., R. 5 E., at grove of oaks, in base of 36-inch oak tree, 60 feet west of second-class road; spike, with aluminum tag stamped "78-84"-----	75. 31
Sacramento, 9 miles northeast of, east of road through Haggan grant; iron post stamped "66 B 1908 S. B."-----	67. 407
Sacramento, 8.2 miles northeast of, south bank of small creek, east of road through grant, in base of 10-inch cottonwood tree; spike, aluminum tag stamped "53 87"-----	53. 78
Sacramento, 5.6 miles northeast of, east of road, at road junction, 50 feet east of gate to ranch house, at fence corner; iron post stamped "50 B. T. 1908 B"-----	51. 073
Sacramento, 3.2 miles north of, east of road, at road junction, 20 feet south of fence corner; iron post stamped "39 B"-----	39. 723
Sacramento, 2.4 miles north of, east of road, at fence line, 0.25 mile north of bridge; iron post stamped "U. S. E. D. B. M. 10 33.5"-----	30. 443
Sacramento, 1.6 miles north of, north of road, 400 feet north of Sacramento Northern R. R. crossing; iron post (United States Army, Corps of Engineers, <sup>3</sup> B. M. 8, elev. 28.5)-----	25. 553
From point near Sylvan School southwest 3.5 miles, thence northwest 4 miles to fork 2.8 miles northwest of Wanega station	
Sylvan School, sec. 26, T. 10 N., R. 6 E., 2.4 miles southwest of, south of road, opposite Twelvemile House, 25 feet south of southeast corner of porch of hotel; iron post stamped "108 B 1908 B. V."-----	109. 300
Walerga, 700 feet northeast of station, north of right of way, 35 feet west of milepost 101, at fence line; iron post stamped "107 B 1908 U B"-----	107. 506
From Roseville south and east 3 miles (part of line to Orangevale)	
Roseville, 0.4 mile south of, bridge over creek, in top of floor; spike, painted "150 98"-----	150. 48
From Riego south 2.7 miles to Fork road, thence east 2 miles	
Riego, 1.3 miles south of, north of road, in top of granite post on county line; aluminum tablet stamped "37 B 1908 B. D. 1"-----	37. 951
Sixmile House, 3.5 miles north of, at intersection of road running east from main road; iron post stamped "31 B"-----	31. 262

<sup>3</sup> Locally known as U. S. Engineer Department.

From point 5.6 miles northeast of Sacramento east via Arcade to point 3.5 miles east of Ben Ali, thence south to vicinity of Del Paso and west to forks of road 2.4 miles northeast of Sacramento and 0.25 mile northeast of bridge over American River

	Feet
Ben Ali, 2.5 miles east of, 150 feet west of windmill at intersection of roads; iron post stamped "69 B"	69. 076
Del Paso, 2.4 miles north of, at road crossing, 60 feet northwest of oak tree, 20 feet south of road; iron post stamped "94 B 1908 B. T. 1"	94. 365
Del Paso, 0.25 mile west of, at junction of roads, 25 feet west of gate to headquarters of ranch, at telephone pole; iron post stamped "90 B 1908 U. 1"	91. 580
Del Paso, 2.2 miles west of, west of road, at gate and junction of road; iron post stamped "44 B 1908 B. V. 1"	44. 450
Del Paso, 5.7 miles west of, west of Southern Pacific R. R., 40 feet east of gate, near telephone pole at fence line; iron post stamped "30 B 1908 B. W. 1"	30. 905

From Twelvemile House east 1 mile, thence north 3.5 miles and west and south to Walsh

Twelvemile House, 1 mile east by 3.5 miles north of, at southwest angle of fork of roads; iron post stamped "B 1908 133 1"	133. 665
Brighton School, 0.5 mile south of, west of road, north of fork road to west; iron post stamped "68 B 1908 2"	68. 392

From Sacramento south 4.3 miles, thence east to Walsh

T. 8 N., R. 5 E., southwest corner of sec. 19, southwest angle of crossroads; iron post stamped "24 B 1908 3"	24. 496
T. 8 N., R. 5 E., south side of sec. 21, southwest angle of intersection with upper Stockton road, opposite road house; iron post stamped "30 B 1908 4"	30. 380
T. 8 N., R. 5 E., southeast corner of sec. 23, at northwest angle of crossroads; iron post stamped "42 B 1908 5" (probably moved in 1917)	42. 969

#### Beach marks in vicinity of Fairoaks

Fairoaks, 0.7 mile east of, southwest corner of bridge, on concrete; chiseled circle, painted "U. S. B. M."	151. 67
Fairoaks, 400 feet north of store, in center of road corner, in notch in base of 50-inch oak tree; nail with aluminum tag stamped "181 35"	181. 28
Fairoaks, bridge over American River, in west face of south concrete pier; aluminum tablet stamped "89 B 1908 16"	89. 103
Fairoaks, in front of railroad station; top of rail	105. 31

#### KNIGHTS' LANDING, MARCUSE, NICOLAUS, AND VERNON QUADRANGLES

[Latitude  $38^{\circ} 45'-39^{\circ}$ ; longitude  $121^{\circ} 30'-121^{\circ} 45'$ ]

#### SUTTER, YOLO, AND YUBA COUNTIES

Precise leveling by C. H. Semper in 1902

North along Southern Pacific R. R.

	Feet
Woodland, 5.6 miles north of, on east side of railroad, at milepost 92 at fence line; iron post stamped "30 B 1902"	30. 787
Knights Landing, in front of station; top of rail	37. 3

	Feet
Knights Landing, at railroad station, 30 feet east of track, at corner of highway and on line of north side of station; iron post stamped "32 B 1902"-----	32. 411
Knights Landing, 5 miles north of, on west side of railroad, 6 feet from rail, opposite milepost 100; iron post stamped "37 B 1902"-----	38. 032
Knights Landing, 8.1 miles north of, on west side of railroad, 10 feet from track, opposite milepost 103; iron post stamped "38 B 1902"-----	38. 598
Chandler, in front of station; top of rail-----	37. 0
Chandler, 0.1 mile south of station, opposite milepost 106, on east side of railroad, 6 feet from track; iron post stamped "36 B 1902"-----	36. 823
Marcuse, 0.4 mile north of, on west side of railroad at fence line, 5 feet north of milepost 109; iron post stamped "33 B 1902"-----	33. 471
Tudor, 0.2 mile south of, on west side of railroad, at fence line, 5 feet north of milepost 112; iron post stamped "40 B 1902"-----	40. 435
<b>Primary leveling by C. H. Semper in 1904, by G. C. Douglas in 1905, and by L. F. Biggs and W. H. Monahan in 1908</b>	
<b>From Rough and Ready Landing southeast along river road to Knights Landing station</b>	
Derby Camp, 1.3 miles east of, north edge of river levee, opposite Chinese camp; iron post stamped "39 B"-----	40. 032
Knights Landing, bridge over Sacramento River, top of south abutment, south end of west wing wall; aluminum tablet stamped "41 B"-----	42. 153
<b>From Knights Landing south along river road to Grays Bend</b>	
Knights Landing, 4 miles southeast of, west side of road at foot of levee, south line of Mr. Roseberry's place; iron post stamped "30 B"-----	30. 712
<b>From Grays Bend east down river road to Elkhorn weir</b>	
Knights Landing, 10.6 miles southeast of, 0.25 mile north of Doyle's house, 40 feet west of junction of river road and lane, north side of road; iron post stamped "29 B"-----	29. 538
<b>From point near Riego northwest to Ryan, thence north to Pleasant Grove station</b>	
Sankey, 2 miles southwest of Sacramento Northern R. R. station; Ryan triangulation station, 20 feet northwest of windmill; iron post stamped "34 B 1908 B. E. 1"-----	35. 064
Pleasant Grove, Sacramento Northern R. R. station, east of track, west of road, at fence line, 10 feet south of power pole; iron post stamped "32 B 1908 B. F. 1"-----	32. 475
<b>From Pleasant Grove station north 7 miles, thence west via Nicolaus to Chandler</b>	
Alamos, in front of station; top of rail-----	35. 6
Striplin, 100 feet east of station, east of right of way, at fence corner; iron post stamped "33 B 1908 B. M."-----	33. 859
Nicolaus, in front of station; top of rail-----	42. 4
Nicolaus, southwest corner of school yard; iron post stamped "33 B 1908 B. N."-----	33. 364
Nicolaus, 1.4 miles west of, in center of road, in base of 48-inch oak tree; spike with aluminum tag stamped "31 B. M. 146"-----	31. 22
Chandler, in front of station; top of rail-----	37. 2

From forks of road 3.3 miles northwest of Riego west to Verona School, thence north to Nicolaus

Feet	
35.399	Verona, 2 miles east of, Barney Mound triangulation station; iron post stamped "35 E 1908 B. R."
34.05	Verona, 1 mile east of, southwest of road, 150 feet south of warehouse, in base of 30-inch oak tree; spike with aluminum tag stamped "33 E. M. 153"
29.092	Verona, 25 feet north of northeast corner of schoolhouse, at fence line; iron post stamped "28 B 1908 B. P."
38.816	McNamara ranch house, 1.2 miles southwest of, 75 feet north of Mahon's dairy ranch, at section line, east of levee; iron post stamped "38 B 1908 B. O."
37.377	McNamara ranch house, 100 feet west of, south of road, at fence; iron post stamped "40.2" (U. S. E. D. bench mark 37)
27.60	Nicolaus, 3.2 miles southwest of, south of river road, in base of 36-inch cottonwood tree; spike with aluminum tag stamped "27 B. M. 149"

From point 4 miles north of Chandler triangulation station west to point 3.5 miles south of Bear River bridge, thence north to point 10 miles south of Marysville

56.687	Wheatland, 4 miles south by 4.8 miles west of, north of road, 300 feet north of intersection of roads; iron post stamped "59.9 B. M. 27"
44.361	Bear River bridge, 1.1 miles south of, 250 feet west of Western Pacific R. R. at bend of road, at fence line; iron post stamped "47.5 B. M. 21"
46.948	Bear River bridge, 150 feet north of, east of road, at fence line; iron post stamped "46 B 1908 B. B. 2"

**From point 4 miles west by 2 miles north of Marcuse to Marcuse**

31.808	Marcuse, 2.6 miles west by 1 mile north of, at southwest corner of crossroads; iron post stamped "31 1908"
25.54	From point 3.4 miles west by 1 mile north of Marcuse west toward Kirkville
37.55	Marcuse, 5.8 miles west by 1 mile north of, west of road, 300 feet west of levee, driven in ground; iron peg marked "25"
22.715	T. 13 N., R. 2 E., sec. 11, 120 feet more or less south of center of, 158 feet south of junction of a levee and an old branch levee extending east, at base of large oak tree, on easterly edge of crown of a levee; iron post (not stamped)

**At point 4.5 miles northeast of Kirkville**

22.715	Kirkville, 4.5 miles northeast of, south of road in tule swamp, standing out prominently; iron post stamped "22 Cal 1908"
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**From point near Sutter School to Knights Landing**

35.348	Knights Landing, 2.6 miles north of, on east side of river road, under black-walnut tree, 1,200 feet north of white house with yellow-green roof; iron post stamped "Prim. Trav. Sta. No. 142 Cal 1908 35"
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From point on Southern Pacific R. R. 3 miles south of Chandler west to old railroad grade, thence northeast to forks of road 2.6 miles west of Marcuse

Marcuse, 2.6 miles west by 6.2 miles southwest of, at north end of abandoned trestle of Southern Pacific R. R. and at south end near center of old grade, near end of line of willow trees; iron post stamped "22 Cal 1908"-----

Marcuse, 2.6 miles west by 5 miles southwest of, on west side of old grade railroad bed, in base of tree; spike with aluminum tag stamped "22"-----

Marcuse, 2.6 miles west by 1.9 miles southwest of, west of old railroad bed; iron peg driven flush with ground, marked "26"-----

Marcuse, 2.6 miles west by 1 mile southwest of, west of old railroad bed; iron peg driven flush with ground, marked "27"-----

From point 3.4 miles west by 1 mile north of Marcuse southwest 2.25 miles (double spur line)

Yuba City, 16.6 miles southwest of, on levee about 3 miles west of Marcuse, near old cabin, iron post stamped "Prim. Trav. Sta. No. 305 38 Cal 1908"-----

Feet

22.068

22.73

26.77

27.51

38.902

#### LINCOLN, PLEASANT GROVE, ROSEVILLE, AND SHERIDAN QUADRANGLES

[Latitude  $38^{\circ} 45' - 39^{\circ}$ ; longitude  $121^{\circ} 15' - 121^{\circ} 30'$ ]

#### PLACER AND SUTTER COUNTIES

Precise leveling by the U. S. Coast and Geodetic Survey in 1920 over primary line by L. F. Biggs in 1908

From Wheatland southeast along Southern Pacific R. R. to Roseville

Feet

Sheridan, about 2 miles northwest of, on Southern Pacific R. R., at south end of concrete highway bridge over Bear River, east of highway, in horizontal surface of curbing wall; an iron bolt (U. S. C. & G. S. b. m. U-18)-----

107.342

Sheridan, 300 feet south of station, northeast corner of brick warehouse; iron post stamped "114 B 1908 B. E." (U. S. C. & G. S. b. m. V-18)-----

114.580

Sheridan, about 1.75 miles south of, on Southern Pacific R. R., 7 feet north of milepost 123, 15 feet east of track; concrete post with disk in top (U. S. C. & G. S. b. m. W-18)-----

102.926

Sheridan, 2.7 miles south of, east of track, 10 feet east of milepost 123; iron post stamped "110 P. B. M. F." (C. & G. S. b. m. X-18)-----

110.561

Lincoln, 2 miles north of, east of track, 15 feet east of milepost 120, at fence line; iron post stamped "141 P. B. M. G." (C. & G. S. b. m. Y-18)-----

142.037

Lincoln, 30 feet east of track, north end of station; iron post stamped "163 H" (U. S. C. & G. S. b. m. Z-18)-----

163.655

Lincoln, Burdge Hotel, northeast corner of concrete sidewalk; aluminum tablet stamped "167 I" (C. & G. S. b. m. A-19)-----

168.166

NOTE.—The top of the original aluminum tablet was found to have been knocked off the center stem.

Lincoln, about 0.75 mile south of, on Southern Pacific R. R., on north concrete abutment of trestle 116-C, over Auburn Ravine, 4 feet east of main-line track; brass disk (U. S. C. & G. S. b. m. B-19)-----

151.781

	Feet
Lincoln, about 2.25 miles south of, on Southern Pacific R. R., 6 meters (20 feet) south of private-road crossing, 35 feet east of track at a telegraph pole; concrete post with disk in top (U. S. C. & G. S. b. m. C-19)-----	140. 784
Lincoln, 3.9 miles south of, east of track, in fence line, 20 feet northeast of milepost 114; iron post stamped "124 K" (C. & G. S. b. m. D-19)-----	124. 599
Whitney, about 0.75 mile south of, on Southern Pacific R. R., opposite culvert 111-A, 325 feet south of private-road crossing, 65 feet east of track, on west head wall of concrete highway culvert; iron bolt (U. S. C. & G. S. b. m. E-19)-----	126. 819
Roseville, 3.5 miles north of, east of track, in fence line, 20 feet northeast of milepost 111; iron post stamped "131 L" (C. & G. S. b. m. F-19)-----	131. 955
Roseville, about 1.5 miles north of, on Southern Pacific R. R., at mileage 108.2, 2 feet west of and 4 inches below west track, on south concrete abutment of a steel girder span over highway; brass disk (U. S. C. & G. S. b. m. G-19)-----	133. 379

**Primary leveling by L. F. Biggs and W. H. Monahan in 1908****From Roseville west along road to point near Riego**

Roseville, in northeast corner of school yard; iron post stamped "159 B. B. M."-----	160. 295
Roseville, southeast corner of brick church, 4 feet above ground; aluminum tablet stamped "159 N"-----	160. 021
Roseville, 2.6 miles west of, north of road, at Rosecrest, 50 feet west of live-oak tree (forked) 24 inches in diameter; iron post stamped "153 O"-----	154. 219
Roseville, 5.9 miles west of, north of road, on summit, between two drains; at fence line; iron post stamped "103 P"-----	103. 672
Roseville, 8.6 miles west of, west of road, 20 feet east of road junction, 3 feet south of fence; iron post stamped "63 Q"-----	64. 009
Riego, in front of station; top of east rail-----	44. 2
Riego, 500 feet southeast of Johnson ranch house, at bend of road, south of road, 10 feet west of telephone pole; iron post stamped "40 B 1908 B. C. 1"-----	40. 354
Johnson ranch house, 1 mile northwest of, east of second-class road, in base of locust tree; spike with aluminum tag stamped "32 112"-----	32. 744

**From Roseville northeast along Southern Pacific R. R. toward Rocklin**

Roseville, 2.1 miles east of, north of track, in base of milepost 110; spike with aluminum tag stamped "201 96"-----	201. 85
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**From Pleasant Grove along road east 4 miles, thence south to crossroads 2.6 miles east of Riego**

Pleasant Grove, at road junction, 75 feet northwest of hotel, 15 feet east of windmill, at fence corner; iron post stamped "47 B 1908 B. G. 1"-----	47. 916
Pleasant Grove, 2.7 miles east of, in northeast angle of second-class road junction, 5 feet east of fence corner; iron post stamped "75 B 1908 B. H. 1"-----	75. 192
Falconer ranch, 1.9 miles south of, west of road, at section line; iron post stamped "64 B 1908 B. I."-----	64. 017

From forks of road 7 miles west of Roseville north and east, thence north and west to forks of road 2.7 miles east of Pleasant Grove	Feet
Roseville, 5 miles west of, Kaseborg triangulation station, at west end of cabin; iron post stamped "106 B 1908 B. J. 1"-----	106. 553
Pleasant Grove, 250 feet west of schoolhouse, west side of road, at fence corner; iron post stamped "106 B 1908 B. K. 1"-----	106. 062
From Pleasant Grove north along road 9.25 miles, east 3.7 miles, and north to Wheatland	
Pleasant Grove, 3.5 miles north of, at intersection of roads, 150 feet south of house, west of road, in southeast corner of lot; iron post stamped "50 B 1908 B. X. 1"-----	50. 978
Pleasant Grove, 7.1 miles northeast of, at intersection of roads where line turns west, south of road, 25 feet north of gate; iron post stamped "53 B 1908 B. Y. 1"-----	55. 377
Wheatland, 4 miles south by 3.7 miles west of, at intersection of roads where power line turns south, south of road, 25 feet east of power pole 34-20; iron post stamped "61 B 1908 B. Z. 1"-----	62. 305
Wheatland, 4 miles south of, at intersection of roads, 25 feet west of gate where power line turns west, south of road, 50 feet south of power pole 31-6; iron post stamped "82 B 1908 B. A. 2"-----	82. 500
Wheatland, 0.5 mile south of, east of road, at fence line; iron post stamped "83.3 B. M. 48" (U. S. Army Corps of Engineers <sup>4</sup> B. M. 48)-----	80. 100
From forks of roads 5.9 miles north of Pleasant Grove east to Lincoln	
Lincoln, 4.4 miles west of, south of road at road crossing, at fence corner; iron post stamped "104 B 1908 B. L. 1"-----	104. 742
From Pleasant Grove northeast and north to crossroads 4.4 miles west of Lincoln	
Pleasant Grove, 6.6 miles northeast of, at northeast corner of intersection of roads; iron post stamped "104 B 1908 B. S. 1"-----	104. 329
From Lincoln north along road 6.6 miles, thence west to Sheridan	
Lincoln, 3.4 miles north of, at northwest corner of road intersection; iron post stamped "174 Cal 1908"-----	174. 400
Lincoln, 5.1 miles north of, at northeast corner of T road east, on top of stone; chiseled square, marked "173"-----	191. 45
Lincoln, 6.6 miles north of, 4.5 miles east of Sheridan, at northwest corner of road intersection; iron post stamped "258 Cal 1908"-----	259. 093
Sheridan, 2 miles east of, at southeast corner of bridge over small stream, 175 feet west of T road north, in post; spike with aluminum tag stamped "117"-----	118. 15
From point near Wheatland west 2 miles to Sheridan	
Wheatland, 3.1 miles east of, north of road, 800 feet east of intersection of roads, in fence line; iron post stamped "78.2 B. M. 49" (U. S. Army Corps of Engineers bench mark)-----	75. 036
At point 3.1 miles east of Roseville	
Roseville, 3.1 miles east of, 200 feet south of milepost 111, south of right of way, 10 feet north of fence corner, iron post stamped "219 B 1908 B. W."-----	219. 025

<sup>4</sup> Locally known as U. S. Engineer Department.

QUADRANGLE INCLUDING BRUCEVILLE, CARBONDALE, CASTLE, CLAY, CLEMENTS, COSUMNES, ELK GROVE, FLORIN, GALT, GOOSE CREEK, HEADREACH, LINDEN, LOCKEFORD, NEW HOPE, WATERLOO, AND WOODBRIDGE  
 $7\frac{1}{2}$  QUADRANGLES

[Latitude  $38^{\circ}-38^{\circ} 30'$ ; longitude  $121^{\circ}-121^{\circ} 30'$ ]

SACRAMENTO AND SAN JOAQUIN COUNTIES

Precise leveling by the U. S. Coast and Geodetic Survey over route of precise-level line by the U. S. Geological Survey

From Florin south along Southern Pacific R. R. to Hammer

Feet	
Florin, about 0.8 mile north of, at milepole 130, on right of way of Southern Pacific R. R., east of track, 0.5 meter west of east fence line; Geological Survey iron post stamped "36 B" (U. S. C. & G. S. b. m. U-9)-----	36. 296
Florin, about 3 miles south of, at Southern Pacific R. R. milepole 126, north of highway crossing, east of track, 10 meters south of angle of fence; Geological Survey iron post stamped "37 B" (U. S. C. & G. S. b. m. T-9)-----	37. 287
Elk Grove, at southwest corner formed by Southern Pacific right of way with main street of Elk Grove, west of track, opposite north end of Southern Pacific R. R. station, between two poles set about 2.5 meters apart; Geological Survey iron post stamped "49-B" (U. S. C. & G. S. b. m. S-9)-----	49. 849
McConnell, 0.2 meter northeast of northeast corner of small house between Southern Pacific R. R. track and county road; Geological Survey iron post stamped "46-B" (U. S. C. & G. S. b. m. R-9)-----	46. 959
Need, 375 meters south of station sign, 30 meters south of milepole 115, on top of north concrete abutment to the Southern Pacific R. R. bridge, about 0.3 meter below track; red metal disk (U. S. C. & G. S. b. m. Q-9)-----	43. 658
Galt, on right of way of Southern Pacific R. R., in line with north end of railroad station, 13.1 meters west of main line, 0.6 meter from northwest corner of grass park; Geological Survey iron post stamped "46.B" (U. S. C. & G. S. b. m. P-9)-----	46. 132
Jahant, 8 meters south of milepole 108, on Southern Pacific R. R. right of way, at crossing 107F, 0.9 meter north of north highway fence, 11.3 meters east of track; Geological Survey iron post stamped "48B" (U. S. C. & G. S. b. m. O-9)-----	48. 845
Acampo, on top surface of north concrete abutment of Southern Pacific R. R. bridge 107D, about 0.6 meter below top of rail; red metal disk (U. S. C. & G. S. b. m. N-9)-----	50. 748
Acampo, at crossing 105A, in north edge of road, 16 meters east of Southern Pacific R. R. track, 6.4 meters south of north crossing fence; Geological Survey iron post stamped "53 B" (U. S. C. & G. S. b. m. M-9)-----	53. 212
Lodi, 200 meters north of the Southern Pacific R. R. station, in east face of northeast pillar under water tank; red metal disk (U. S. C. & G. S. b. m. L-9)-----	51. 062
Lodi, 75 meters south along Southern Pacific R. R. track from milepole 102, north of road at crossing, in edge of cultivated field, 16.3 meters east of track and about 1.2 meters below it, 0.9 meter east of fence corner; Geological Survey iron post stamped "45 B" (U. S. C. & G. S. b. m. K-9)-----	45. 840

	Feet
Pearson, 7.7 meters north along track of Southern Pacific R. R. from milepole 99 on right of way, 0.3 meter west of east line fence, 4.8 meters east of track and about 1 meter below it; Geological Survey iron post stamped "37 B" (U. S. C. & G. S. b. m. J-9)-----	37. 999
Hammer, 1.2 miles north of, at railroad mileage 96.8, in west head wall of concrete culvert 96B, under Southern Pacific R. R. track; red metal disk (U. S. C. & G. S. b. m. I-9)-----	33. 412
Hammer, 0.5 mile north of, on right of way of Southern Pacific R. R. 11.8 meters north along track from milepole 96, 0.8 meter west of east line fence, 15 meters east of track and about 1 meter below it; Geological Survey iron post stamped "28 B" (U. S. C. & G. S. b. m. H-9)-----	28. 668

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

From Florin south along Southern Pacific R. R. to milepost 97

Florin, 150 feet north of station, at crossing; top of rail-----	39. 8
Elk Grove, in front of station; top of rail-----	49. 9
Arno, 50 feet south of station, west side of track, at fence line; iron post stamped "35 B"-----	35. 609
Arno, in front of station; top of rail-----	37. 4
Milepost 114, 10 feet south of, east side of track; iron post stamped "42 B"-----	42. 435
Galt, in front of station; top of rail-----	46. 7
Forest Lake, in front of station; top of rail-----	48. 7
Acampo, in front of station; top of rail-----	56. 1
Lodi, in front of station; top of rail-----	51. 2

Primary leveling by L. F. Biggs and B. A. Jenkins in 1907

From Florin east 3.5 miles

Florin, 3.5 miles east of, at intersection of roads; iron post stamped "B 32 1907 63"-----	64. 037
From Elk Grove east and northeast along Grant Line road	
Sheldon, at road corner, 50 feet south of Sheldon saloon; iron post stamped "B 1907 73 31"-----	74. 083
From Galt northeast along road 5.4 miles to point 1.7 miles west of Conley	
Conley, 1.7 miles west of, at intersection of roads; iron post stamped "B 1907 62 22"-----	62. 441
From point south of Arno west via Bruceville School to crossing of Stockton road and Western Pacific R. R., thence north via Franklin to point 2 miles north of Union School and east to Florin	
Bruceville, 20 feet west of schoolhouse, at edge of steps over fence; iron post stamped "B 1907 21 No. 34"-----	21. 727
Franklin, corner of Masonic Hall; aluminum tablet stamped "B 1907 18 35"-----	19. 030
Franklin, 6.7 miles north of, 20 feet north of schoolhouse, in angle of fence; iron post stamped "B 1907 15 36"-----	15. 900
From Stockton road crossing on Western Pacific R. R. west 3 miles to point 4.3 miles south by 3 miles west of Franklin	
Franklin, 4.3 miles south by 3 miles west of, at southeast corner of bridge across slough; iron post stamped "B 1907 5 37"-----	5. 374

From point 2 miles east of Michigan Bar west along road via Liveoak and Slough House to Grant Line, thence along Grant Line road to point 4 miles northeast of Sheldon

Michigan Bar, northwest corner of schoolhouse; iron post stamped "BB 1907 6 333" -----

Bridge House, 1.4 miles north of, west side of road, 75 feet east of house on summit of rise, at fence corner; iron post stamped "BB 1907 7 154" -----

From road intersection 1.7 miles west of Conley north to Slough House

Slough House, 13.2 miles southwest of, where first road from W. & R.'s colony intersects road; iron post stamped "B 1907 73 27" -----

Slough House, 6.1 miles southwest of, in front of ranch house, west side of road; iron post stamped "B 1907 123 28" -----

Slough House, 0.8 mile southeast of, in top of south pier of McCracken's bridge; bronze tablet stamped "B 1907 113 29" -----

From point near Conley northeast along road to Carbondale

Conley, 200 feet northeast of station, at railroad crossing; top of rail-----

Clay, northwest corner of schoolhouse; iron post stamped "BB 1907 105 23" -----

Clay, 5.6 miles northeast of, T. 6 N., R. 8 E., southeast part of sec. 15, 4 feet north of gate to grant; iron post stamped "B 1907 205 24" -----

Clay, 11 miles northeast of, 200 feet south of Alabama House, at junction of road to Clay, at fence corner; iron post stamped "BB 1907 237" -----

Carbondale, in front of station; top of rail-----

From Liveoak south via Wilbur to Alabama House

Alabama House, 3.5 miles northwest of, 250 feet west of junction of road, 2 feet west of gatepost; iron post stamped "BB 1907 2 180" -----

180. 669

From point near Wilbur west along road to point 2.5 miles north of Clay

Alabama House, 6.9 miles west of, 1.4 miles west of Weiss ranch house, junction of road, south side of road, at fence line; iron post stamped "BB 3 1907 141" -----

141. 486

Clay, 3.8 miles northeast of, west side of road, 10 feet south of gate to ranch house, 25 feet west of gate to Mound ranch, at junction of road from Slough House to Clay; iron post stamped "BB 1907 4 113" -----

112. 710

Clay, 2.5 miles north of, where lane from house intersects road; iron post stamped "B 1907 33 103" -----

103. 820

From new Grant gate south to point 1.7 miles south of Dry Creek Schoolhouse

Swifts ranch, 400 feet west of ranch house, 10 feet north of road; iron post stamped "B 1907 153 25" -----

153. 778

Bench mark at Tree East triangulation station (by double spur line in 1908)

Slough House, 1 mile southwest of, Tree East triangulation station, on land owned by Archie Mull, on Jackson road from Sacramento, near Cosumnes post office, on west side of road, at foot of tree, about 16 inches above ground; iron post -----

190. 379

Feet

333. 928

154. 943

73. 729

124. 001

114. 037

75. 3

105. 851

205. 089

237. 255

214. 5

From Lodi east along wagon road to Lockeford, thence north to Dry Creek	Feet
Lodi, 1.2 miles south of, east of railroad at crossing, north of road, at angle of fence; iron post stamped "45"	45. 846
Lodi, 3.6 miles east of, where road from south joins Lodi-Lockeford road, angle of fence; iron post stamped "B 1907 72"	72. 083
Lockeford, at northwest corner of school grounds; iron post stamped "B 1907 101 8"	101. 311
Lockeford, 5.8 miles north of, southwest corner of Elliott School grounds; iron post stamped "B 1907 105 15"	105. 649
From Elliott west along road to cemetery entrance	
Galt, 4.6 miles east of, at intersection of roads; iron post stamped "B 1907 64 16"	64. 179
From Lockeford east along wagon road to Clements, thence north to point 1.7 miles south of Dry Creek School	
Clements, in front of Leo Friedberger's store; tablet stamped "B 1907 131 11"	131. 236
Clements, 4.4 miles north of, 20 feet west of road, in front of deserted house; iron post stamped "B 1907 214 26"	214. 312
From Lockeford south along wagon road to Farmington road	
Lockeford, 4 miles south of, 40 feet southeast of where Lodi-San Andreas road crosses Lockeford-Stockton road, at fence corner; iron post stamped "B 1907 80 9"	80. 019
Lockeford, 8 miles south of, angle of fence at intersection of roads; iron post stamped "B 1907 72 10"	72. 143
Farmington, near junction with Farmington road; iron post stamped "67"	67. 051
From Clements south along wagon road to point near Peters	
Clements, 3.0 miles east of, at intersection of roads; iron post stamped "B 1907 192 12"	192. 308
Clements, 8 miles southeast of, at section corner, on north side of road; iron post stamped "B 1907 194 13"	194. 362
Bellota, northeast corner of post office; iron post stamped "B 1907 130 14"	130. 792
Peters, near southeast corner of junction of Peters-Linden road; iron post stamped "102"	102. 325
From Galt west along road via New Hope to Walnut Grove	
Galt, 3.5 miles west of, north side of road, 200 feet east of intersection of fence from north; iron post stamped "B 1907 29 17"	29. 027
New Hope, Don Ray & Co.'s store, southwest corner of cement porch; aluminum tablet stamped "B 1907 13 18"	13. 514
New Hope, Don Ray & Co.'s store, south door of; center of metal doorsill (county bench mark)	13. 92
From Lodi west along road via Woodbridge to Brack's Landing	
Lodi, northwest corner of opera house; aluminum tablet stamped "B 1907 50 21"	51. 064
Woodbridge, northwest corner of Masonic Hall; aluminum tablet stamped "B 1907 45 19"	46. 365
Woodbridge, 3 miles west of, intersection of roads; iron post stamped "B 1907 29 20"	29. 609

Spur from Brack's Landing west 5 miles to point near pumping plant (stopped by overflow)	Feet
Brack's Landing, southeast corner of warehouse; iron post stamped "B 1907 6 41"-----	6. 668
From Brack's Landing southeast to Kettleman's ranch, thence east to Southern Pacific R. R. milepost 99	
Brack's Landing, 4.7 miles south of, on Terminus road, 400 feet west of levee, north side of road; iron post stamped "B 1907 38" (erroneously stamped 4)-----	1. 563
Brack's Landing, 9.6 miles southeast of, 500 feet south of Kettleman's ranch house, in fence corner; iron post stamped "1907 B 9 39"-----	9. 882
From intersection of Eightmile House and Lower Sacramento roads south to Fivemile House, thence east to Southern Pacific R. R. and north along railroad to milepost 97	
Fivemile House, 1,000 feet north of, west edge of Lower Sacramento road where lane from west intersects; iron post stamped "B 1907 13 40"-----	13. 623
Lodi, 7.2 miles south of, 15 feet north of milepost 97; iron post stamped "B 1907 28"-----	28. 671

## SACRAMENTO QUADRANGLE

[Latitude  $38^{\circ}30' - 39^{\circ}$ ; longitude  $121^{\circ} - 121^{\circ}30'$ ]

## ELDORADO, PLACER, SACRAMENTO, AND SUTTER COUNTIES

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

From Clippergap southwest along Southern Pacific R. R. to Brighton

Clippergap, 1 mile northeast of, about 1.2 meters from east end of tunnel O of the westbound line of the Southern Pacific R. R., on south stone wall, 0.6 meter above top of rail; red metal disk (U. S. C. & G. S. b. m. G-10)-----	1,867. 516
Clippergap, 0.2 mile east of Southern Pacific R. R. station, on top of old foundation of water tank (now removed), about 0.5 meter below top of rail; red metal disk (U. S. C. & G. S. b. m. F-10)-----	1,755. 751
East Auburn, opposite Southern Pacific R. R. passenger and freight station, on old line (now the westbound line) of Southern Pacific R. R., on eastern one of two northwestern concrete pillars under water tank, about 1 meter above top of rail; red metal disk (U. S. C. & G. S. b. m. E-10)-----	1,359. 026
Newcastle, about 0.2 mile east of, at west end of Southern Pacific R. R. tunnel, north of track, on top surface of bottom stone of tunnel lining, 0.3 meter above track; red metal disk (U. S. C. & G. S. b. m. D-10)-----	975. 825
Rocklin, about 0.5 mile east of, on west side of concrete bridge of Southern Pacific R. R., which carries the eastbound track over the westbound track; north of westbound track and about 1 meter above it, about 0.46 meter from north edge of pier, 1.5 meters above ground; red metal disk (U. S. C. & G. S. b. m. C-10)-----	251. 824
Roseville, about 0.8 mile east of Southern Pacific R. R. station, on top surface of granite abutment at east end of railroad bridge 107D, on south side of track and about 0.5 meter below it; red metal disk (U. S. C. & G. S. b. m. B-10)-----	172. 742

	Feet
Roseville, on top surface of concrete base of signal tower 1067, 70 meters west of Southern Pacific R. R. station; 10 meters north of track and about 0.6 meter above it; red metal disk (U. S. C. & G. S. b. m. A-10)-----	160. 151
Antelope, about 2 miles northeast of, at a highway crossing, north of Southern Pacific R. R. track, 7 meters south of north line fence, 1.6 meters from a fence located 18 meters north of track, about 3 meters above the track; G. S. iron post stamped "146" (U. S. C. & G. S. b. m. Z-9)-----	146. 450
Antelope, 90 meters west of Southern Pacific R. R. station, on top surface of north head wall of stone culvert under Southern Pacific track, about 1.2 meters below the track; red metal disk (U. S. C. & G. S. b. m. Y-9)-----	156. 689
Benali, 1.2 miles northeast of, on top surface of stone abutment at east end of Southern Pacific R. R. steel bridge 96C, about 0.6 meter below the track; red metal disk (U. S. C. & G. S. b. m. X-9)-----	52. 257
Elvas, at milepole 92, 0.4 mile north of Elvas tower, on top of south concrete abutment of Southern Pacific R. R. steel bridge over American River, east of track, 2.5 meters below top of rail; red metal disk (U. S. C. & G. S. b. m. W-9)-----	39. 957
Brighton, 100 meters east of station, on top surface of southwestern one of four pillars under Southern Pacific R. R. water tank, about 3.4 meters above the ground; red metal disk (U. S. C. & G. S. b. m. V-9)-----	49. 941

Precise leveling by the U. S. Coast and Geodetic Survey over primary leveling by  
L. F. Biggs in 1908

**At Rocklin**

Rocklin, 60 feet northeast of station, in foundation at southwest corner of roundhouse; aluminum tablet stamped "244 B 1908 B. X."-----	244. 929
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**VACAVILLE QUADRANGLE**

[Latitude  $38^{\circ} 15' - 38^{\circ} 30'$ ; longitude  $121^{\circ} 45' - 122^{\circ}$ ]

**SOLANO COUNTY**

Precise leveling by C. H. Semper in 1901

**From Suisun northeast along Southern Pacific R. R. to Tremont**

	Feet
Suisun, 3.9 miles north of, 25 feet east of track, 3 feet south of milepost 58; iron post stamped "47 B"-----	47. 347
Vanden, in front of station; top of rail-----	73. 9
Cannon, 12 feet south of station, 12 feet west of track; iron post stamped "89 B"-----	89. 172
Cannon, in front of station; top of rail-----	88. 3
Cannon, 2.6 miles north of, west side of track, 8 feet south of milepost 59; iron post stamped "80 B"-----	80. 817
Elmira, in front of station; top of rail-----	75. 5
Elmira, 1.7 miles north of, 33 feet east of track, 2 feet west of milepost 62; iron post stamped "62 B"-----	62. 814
Batavia, 2 feet from north end of station, 27 feet east of track; iron post stamped "62 B"-----	62. 298

	Feet
Dixon, 700 feet south of station, west side of track, at highway crossing, south side of road, at corner of fence; iron post stamped "61 B"	61. 842
Dixon, in front of station; top of rail	63. 5
Dixon, 2.4 miles north of, east side of track, 3 feet from milepost 71; iron post stamped "58 B"	58. 170
Tremont, in front of station; top of rail	59. 5

Primary leveling by R. A. Farmer in 1904 and C. H. Semper in 1905

From Binghamton west along highway to Elmira

Binghamton post office, 5 feet east of northeast corner of; iron post stamped "35 B"	35. 119
T. 6 N., R. 1 E., near quarter corner between secs. 27 and 28, west side of road, at southeast corner of field; iron post stamped "44 B"	44. 333
Elmira, 200 feet north of, 40 feet west of track, 8 feet north of telegraph pole; iron post stamped "72 B"	72. 787

From sec. 38, T. 5 N., R. 1 E., northeast to center of T. 6 N., R. 2 E.

T. 5 N., R. 1 E., northeast corner of sec. 13, west side of road; iron post stamped "15 B"	15. 219
Main Prairie, 200 feet north of old hotel, 100 feet west of barn, west side of road; iron post stamped "7 B"	7. 587

From Cannon along wagon road to triangulation station

Triangulation station, 400 feet east of railroad, 0.5 mile northwest of Cannon; iron post stamped "163 B"	163. 904
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From Winters south along Southern Pacific R. R. to Elmira

Wolfskill station, at signboard; top of east rail	124. 3
Allendale, in front of station; top of west rail	120. 4
Allendale, 350 feet south of signboard, west of track, south of road crossing, 10 feet north of telegraph pole; iron post stamped "117 B"	117. 606
Hartley, 400 feet south of signboard at station, east side of track, north of road crossing; iron post stamped "115 B"	115. 617
Violet, in front of station; top of west rail	139. 6
Vacaville station, 350 feet west of track, north of street, 8 feet east of telephone pole, at corner of railroad lot; iron post stamped "164 B"	164. 678
Vacaville, at northwest corner of public schoolhouse, 4 feet above ground; bronze tablet stamped "188 B"	188. 257
Vacaville, in front of station; top of west rail	162. 4
Elmira, 200 feet north of station, 40 feet west of track, 8 feet north of telephone pole; iron post stamped "72 B"	72. 787

From Tremont west via Curry School to point near Wolfskill

Curry School, at northwest angle of crossroads; iron post stamped "85 B 1904 2"	85. 568
Curry School, 3.7 miles west of, southeast angle of crossroads; iron post stamped "103 B"	103. 689

## WOODLAND QUADRANGLE

[Latitude  $38^{\circ} 30'$ - $38^{\circ} 45'$ ; longitude  $121^{\circ} 45'$ - $122^{\circ}$ ]

## SOLANO AND YOLO COUNTIES

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

## Near Tremont

Tremont, 1.3 miles north of, east side of track, 5 feet from milepost 74; iron post stamped "49 B"-----

Feet  
49. 448

## North along Southern Pacific R. R.

Davis, 3.2 miles north of, on east side of railroad, 30 feet north of milepost 80; iron post stamped "48 B 1902"-----

48. 978

Davis, 6.1 miles north of, on east side of railroad, 300 feet north of milepost 83, at railroad crossing; iron post stamped "53 B 1902"-----

53. 886

Woodland, at southeast corner of railroad park at station, 5 feet north of water tank; iron post stamped "60 B 1902"-----

60. 850

Woodland, near station, at railroad crossing; top of rail-----

61. 4

Woodland, 2.6 miles north of, on east side of railroad, at fence line, at milepost 89; iron post stamped "62 B 1902"-----

62. 172

## Primary leveling by R. A. Farmer and C. H. Semper in 1904

## From Yolo south along Southern Pacific R. R. to Woodland

Yolo, 150 feet north of station, north of road; iron post stamped "74 B"-----

73. 522

Yolo, 0.8 mile south of, north abutment of bridge over Cache Creek, west end, top of parapet wall; aluminum tablet stamped "89 B"-----

90. 025

Woodland, 2.2 miles north of, north of road, 250 feet east of track, at southwest corner of Taylor Bros.' farm; iron post stamped "64 B"-----

64. 586

Woodland, southeast corner of Yolo County Savings Bank; aluminum tablet stamped "71 B"-----

71. 324

## From Yolo west via county road to forks of road 1 mile west of Blickley ranch

Yolo, 3.9 miles west of, north side of road, at gate leading to Fred Market's ranch house; iron post stamped "169 B"-----

169. 883

Yolo, 7.4 miles west of, at southeast angle of crossroads, 650 feet south of J. C. Holverstott's ranch house; iron post stamped "169 B"-----

169. 768

## From Woodland west to Madison

Woodland station, 8 feet north of water tank; iron post stamped "60 B"-----

60. 860

Woodland, 4.4 miles west of, in south face of northwest monument of Yolo base, U. S. Coast and Geodetic Survey, stamped "155 B"-----

155. 633

Woodland, 5 miles west of, on east line of Guersisosi grant; iron post stamped "108 B"-----

108. 611

Madison, in front of station; top of east rail-----

144. 1

Madison, 200 feet southwest of station, south of Main St., 8 feet west of telephone pole; iron post stamped "150 B"-----

150. 626

## From Madison south along Southern Pacific R. R. to Winters

	Feet
Citrona, in front of station; top of west rail	163.2
Citrona, 60 feet west of warehouse, west side of road; iron post stamped "162 B"	162.656
Ely, in front of station; top of west rail	174.6
Ely, 100 feet west of warehouse, 60 feet west of signboard, west side of road; iron post stamped "175 M"	175.604
Winters, 200 feet south of station, 40 feet west of track, 50 feet east of street; iron post stamped "181 B"	181.611
Winters, in front of station; top of west rail	181.5

## From French place northeast to Winters and return

Winters, 10 feet from fence, at west side of public-school grounds; iron post stamped "183 B"	133.443
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## From point 3.2 miles north of Davisville west along county road to Ely

Davisville, 3.2 miles north of, 30 feet north of milepost 80; iron post stamped "48 B"	49.000
Plainfield, southeast angle of crossroads; iron post stamped "70 B"	70.532
Plainfield, 3 miles west of, at signboard, northwest angle of crossroads; iron post stamped "90 B"	90.781

## From crossroads 3 miles west of Plainfield north along county road to northwest monument U. S. Coast and Geodetic Survey, Yolo base

Stoddard School, 3.4 miles north of, at northeast angle of crossroads; iron post stamped "96 B"	96.542
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## From crossroads 3 miles west of Plainfield south via county road to Curry School

Fairfield School, 1 mile south of, northeast angle of crossroads, at fence; iron post stamped "92 B"	92.423
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## From point 1 mile south of Fairfield School east and south to U. S. Coast and Geodetic Survey monument

Miller ranch, north bank of Putah Creek, U. S. Coast and Geodetic Survey monument, north face; aluminum tablet stamped "74 B"	74.471
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