

FIELD NOTES

OF THE

DEPENDENT RESERVOIR OF THE

NORTH HALF OF T 1 N R 9 W

Vol. 496:12  
 John L. Warboys  
 F. Wayne Forrest  
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 Sept. 1927 to Jan.  
 1938

Copied and checked from notes  
 on file in the U.S. Geological  
 Engineer's Office - Glendale  
 Calif. - By A. C. Johnson  
 and Wm. Mack - May 4, 1943

R 9 W						
	31	32	33	34	35	36
	30	29	28	27	26	25
	19	20	21	22	23	24
T 1 N	18	17	16	15	14	13
	7	8	9	10	11	12
	6	5	4	3	2	1
R 9 W						

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Survey commenced February 2, 1938  
Survey completed May 5, 1938

Under special instructions dated August 11, 1937, which provided for the surveys included under Group 314, bearing the approval of the Commissioner of the General Land Office under date of September 2, 1937, and assignment instructions dated October 29, 1937, and January 10 and 16, 1938.

JOHN L. WARBOYS, CADASTRAL ENGINEER AND  
F. WAYNE FOREST AND RAYMOND A. MOSS,  
PUBLIC LAND SURVEYORS, GENERAL LAND OFFICE

EXECUTED BY

FIELD NOTES  
OF THE DEPENDENT RESERVE OF  
A PORTION OF THE SUBDIVISIONAL LINES OF  
TOWNSHIP 1 NORTH, RANGE 9 WEST  
OF THE SAN BERNARDINO MERIDIAN, IN THE  
STATE OF CALIFORNIA

RESURVEY OF A PORTION OF THE SUBDIVISION OF T. 1 N., R. 9 W

CHAINS

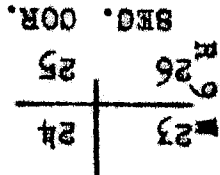
For statements regarding instruments, observations and tests, see field notes of the boundaries of T. 1 N., R. 9 W. and 9 W., resurveyed under this group.

Portions of the subdivision lines of T. 1 N., R. 9 W., were surveyed by Henry Hancock in 1865, M.G. Wheeler in 1874, W.H. Norway in 1875 and G.W. Pearson in 1884, commencing the subdivision. L.H. Cutting in 1896, in surveying the then S. 1/4 of the San Gabriel Forest Reserve, resurveyed between sec. 13 and 24, 14 and 23, 15 and 22, 16 and 21, 17 and 20, and 18 and 19. The following notes describe a dependent resurvey of part of the subdivision lines

The County Surveyors Monuments hereinafter recorded were set where there was evidence of the original corner, or from ties to original corners from adjoining surveys on record in Los Angeles County, or from reestablishments made in accordance with accepted surveying practice.

The cor. of sec. 23, 24, 25 and 26, is a brass tablet, 2 1/2 ins. diam., set in a concrete cylinder, 3 ins. above ground, marked

COUNTY SURVEYORS  
T 1 N



stone, 3 ft. diam., 6 ins. high, on spur, sloping SE. set in a ring of

Thence

N. 88°46' E., on a true line bet. sec. 24 and 25.

Over mountainous land through dense undergrowth, ascend 7 ft. over W. slope

Spur, slopes S. Descend 165 ft. over E. slope

Gulch, 6 lks wide, course N.15°E. Ascend W. slope 30 ft.

Spur, slopes N. 10° E. Descend 100 ft. over E. slope

Slope changes to N. Desc. 140 ft.

Spur, slopes N. Descend 310 ft. over E. slope

Creek, 10 lks wide, course S. 30° E. Ascend SW. slope 80 ft.

Spur, slopes S.10°E. Descend 245 ft. over E. slope

The 7 sec. cor. which is a brass tablet, 2 1/2 ins. diam., in top of concrete cylinder, 6 ins. diam., set in mound of stone, marked

39.96  
34.70  
32.60  
25.40  
20.80  
12.40  
8.40  
2.10

COUNTY SURVEYORS  
 T I N  
 M 24  
 9 25  
 COR.  
 MONUMENT

CHAINS

These	
N. 85°49' E. on a true line bet. seers. 24 and 25.	
Descend 360 ft. over steep and broken E. slope	2.57
Trail, bears NE. and SW.	
Same trail, bears NE. and SE., on switchback.	3.05
Creek bed in bottom of San Dimas Ganyon, 2 chs. wide, course South. Ascend 15 ft. to	6.56
Center of asphalt surface road, bears NE. and S. to San Dimas. Continue ascent 200 ft. over NW. slope.	9.05
Spur, slopes N. 10° E. Descend 105 ft. over E. slope	13.90
Foot of descent	17.75
Ascend 300 ft. over W. slope	18.70
Telephone line, 7 wires, bears N. and S.	19.04
Intersect an iron pipe, 2 ins. diam., 8 ins. above ground, set in concrete. Telephone line bears S. and N. 85°49' E. along line.	21.20
Intersect a pipe, 2 ins. diam., 8 ins. above ground, filled with concrete.	29.20
Intersect a pipe, 2 ins. diam., 16 ins. above ground, filled with concrete. Over flat spur, sloping S.	30.17
Truck trail, 25 lks wide, on outcro, bears NE. and SW.	34.05
Desc. 33 ft. over NE. slope	37.60
Small gulch, course SE. Ascend 10 ft. over W. slope	39.97
The cor. of seers. 19, 24, 25 and 30, on E. bdy. of Tp. described in the field notes of the survey of a portion of the E. bdy. of T. 1 N., R. 9 W., under this group.	40.48
Land, rolling and mountainous. Soil, rock, gravel and sand, 3rd and 4th rate timber, scattering oak, sycamore and alder in ravines. Undergrowth, dense chaparral, oak brush, poison oak, sumac, mountain mahogany, laurel and yucca	

From the cor. of seers. 23, 24, 25 and 26,

N. 0°01' W., on a true line bet. seers. 23 and 24.

CHAINS

Over mountainous land, through dense undergrowth.  
 Ascend along E. side of spur, 15 ft.  
 Desc. 60 ft.

Head of Ravine, course S. 70° E. Ascend S. slope 140 ft.  
 Enter firebreak, bears N. 25° W. and S. 25° E.

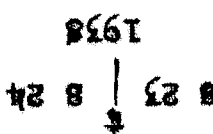
Spur, slopes S. 40° E. Descend NE. slope 80 ft. to trail.  
 Leave firebreak, bears NW. and S. 20° E.

Trail and telephone line, bears N. 70° W. to San Dimas  
 Lookout, U.S.P.S. and S.E. to San Dimas Canyon

Descend 30 ft.  
 Ravine, 6 lks. wide, course S. 70° E. Ascend 20 ft.

Point of spur, slopes NE.  
 Descend 320 ft. over NW. slope.

40.10 Proportional distance,  
 Get an iron post, 3 ft. long, 1 in. diam. 28 ins in the  
 ground, for § sec. cor. with brass cap marked



Iron which

A live oak, 14 ins. diam., bears S. 40° W., 74 lks.  
 dist., marked § S 23 N 1

Raise a mound of stone, 2 1/2 ft. base, 1 1/2 ft. high, W. of cor.

Descend 55 ft.  
 Ravine, 12 lks wide. course N. 15° E.

Ascend 6 ft.

44.20 Descend 50 ft.

48.60 Ascend 50 ft.

50.40 Point of spur, slopes SE. Descend NE. slope 160 ft.

55.30 Creek, 8 lks. wide, course SE.

Ascend SW. slope 115 ft.

59.00 Ravine, 2 lks. wide, course SW.

Continue ascent 285 ft.

66.10 Spur, slopes SE. Descend 65 ft.

73.90 Ravine, 4 lks. wide, course E.

CHAINS

Descend 20 ft.  
 Having, 5 lks. wide, course E.  
 Ascend S. slope 120 ft.  
 Point of spur, slopes SE.  
 Descend NE. slope 60 ft.  
 At point determined by method of double proportion

Get an iron post, 3 ft. long, 2 ins. diam., 30 ins. in the ground, for cor. of sec. 13, 14, 23 and 24, with brass cap marked

T I N R 9 W

S 14	S 13
S 23	S 24

raise a mound of stone, 3 ft. base, 1 1/2 ft. high, W. of cor.

Land, rolling and rough mountains. Soil, rock gravel and sand, 3rd. and 4th. rate timber, scattering oak, sycamore and alder in ravines Undergrowth, dense chamisal, oak brush, poison oak, sumac and mountain mahogany.

N. 89° 26' E., on a true line bet. sec. 13 and 24

Over rolling and rough mountains through dense undergrowth. Descend NE. slope 435 ft.

Lodi Canyon, water 8 lks. wide, course S. 65° E. Ascend SW. slope 15 ft.

Creek, 6 lks. wide, course SW., about 1 1/2 hrs. to Lodi Canyon. Ascend W. slope 400 ft.

Spur, slopes S. 65° W. Descend SE. slope 95 ft.

Gulch, course S. 10° W. Ascend W. slope 245 ft.

Ridge, bears N. and S. Descend E. slope 95 ft.

Proportional distance,

Get an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for 4 sec. cor. with brass cap marked

S 13	+	S 24
		1938

2 ft. base, 1 1/2 ft. high, N. of cor. raise a mound of stone,

Descend SE. slope 275 ft.

Creek, 12 lks. wide, course S. 50° E. Ascend SW. slope 25 ft.

Spur, slopes S. 10° E. Descend SE. slope 110 ft.

52.20	Gulch, course SE. Ascend SW. slope 60 ft.
60.70	Spur, slopes SE., with fire break along top. Descend NE. slope 215 ft.
65.40	Havine, course SE. Ascend SW. slope 45 ft.
67.40	Small spur, slopes SE. Descend NE. slope 245 ft.
68.60	Telephone line, 6 wires, bears N.10°W. and S.10°E.
71.90	Main fork of San Dimas Canyon, water 25 lks. wide, course S. 10° E. Ascend 10 ft. over U.S.F.S. camp ground.
72.60	Telephone line, 2 wires, bears N. 30° E. and S. 30° W.
73.57	The Cutting (1896) witness cor. to the cor. of sees. 13, 18, 19 and 24, bears North, 7 lks. dist.; a cast iron post, 4 ins. square, 6 ins. above ground, filled with concrete, marked with letters cast in iron T 1 N S 18 on NE., R. S. W. S 19 on SE., N 9 W S 24. and SGRN 10 S 13 on NW. faces, from which
75.10	A sycamore, 13 ins. diam., bears N. 19 3/4° E., 61 lks. dist., with old blaze rotted away.
75.10	Ascend SW. slope 25 ft.
75.10	County highway, oiled, bears NE. and SW. Ascend NW. slope 90 ft.
80.06	The cor. of sees. 13, 18, 19 and 24, on E. bdy. of Tp., described in the book of field notes of the boundaries of T. 1 N., Rs. 8 and 9 W., resurveyed under this group.
	Land, rolling and rough mountains.
	Soil, rock, gravel, sand, 3rd and 4th rate
	Timber, oak, laurel, fir and sycamore in canyons. Under-
	Growth, dense oak brush, chamisal, buckthorn and toyon.

From the cor. of sees. 13, 14, 23 and 24, West  
 N. 0° 58' on true line bet. sees. 13 and 14.  
 Over broken, mountainous land, through dense undergrowth.  
 Descend General NE. slope 75 ft.

Havine, 6 lks. wide, course E., small amount of water  
 Ascend 70 ft.  
 Point of spur, slopes E. Descend NE. slope 115 ft.

Havine, 8 lks. wide, course N. 80° E. Ascend 75 ft.  
 Point of spur, slopes E. Descend NE. slope 180 ft.

Oreek, 5 lks. wide, course S. 75° E. Ascend SW. slope 230 ft.  
 Ridge, bears N. 50° W. and S. 50° E. Descend NE. slope 190 ft.

CHAINS

32.40 Creek, 9 lks. wide, course E. Ascend S. slope 340 ft.

40.11

Proportional distance,

Get an iron post, 3 ft. long, 1 in. diam., 28 ins in the ground, for 1/4 sec. cor., with brass cap marked

1  
S 1 1/4 S 1 1/2  
1938

of stone, 3 ft. base, 2 ft. high, W. of cor. raise a mound

Ascend 10 ft.

41.10

Spur, slopes S. 80° E. Descend NE. slope 50 ft.

43.30

Having, 4 lks. wide, course SE. Ascend SW. slope 195 ft.

52.30

Spur, slopes S. 15° E. Descend NE. slope 90 ft.

55.90

Having, 6 lks. wide, course N. 80° E., small amount of water. Ascend SE. slope 100 ft.

58.60

Spur, slopes E. Descend NE. slope 75 ft.

67.50

Having, 7 lks. wide, course SE. Ascend SW. slope 125 ft.

73.20

Long ridge, bears S. 70° E. and W., with firebreak along top. Descend NE. slope 190 ft.

78.00

Having, 4 lks. wide, course N. 70° E. Level.

80.21

At point determined by method of double proportion,

Get an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the ground, for cor. of sec. 11, 12, 13 and 14, with brass cap marked

T 1 N R 9 W  
S 1 1/4 S 1 1/2  
S 1 1/4 S 1 1/2  
1938

3 ft. base, 2 ft. high W. of cor. raise a mound of stone,

Land, rough mountains. Soil, rock, gravel, sand, 3rd and 4th rate. Timber, scattering oak, sycamore and laurel in canyon. Undergrowth, dense chestnut, oak brush, poison oak, sumac.

N. 89° 35' E. on true line bet. sec. 12 and 13.

Over mountains land through dense undergrowth. Descend NE. slope 180 ft.

2.80

Having, 7 lks. wide, course N. 70° E. Ascend NW. slope 25 ft.

5.90

Narrow spur, slopes NE. Descend SE. slope 95 ft.

7.70

Having, 3 lks. wide, course N. 50° E. Descend NE. slope 250 ft.

18.50

Creek, 4 lks. wide, course SE. Ascend SW. slope 65 ft.



CHAINS

20.50	Narrow spur, slopes SE. Descend NK. slope 95 ft.
21.90	Head along canyon, bears NW. and SE.
22.30	West fork of San Dimas Canyon, 6 lks. wide, course S. 30° E. Ascend SW. slope 165 ft.
27.00	Small spur, slopes SW. Descend 15 ft.
27.90	Hayme, 6 lks wide, course SW. Ascend 40 ft.
28.80	Telephone line, bears N. and S.
29.70	U.S.F.S. contour trail, bears NK. and SE. Ascend SW. slope 315 ft.
40.28	Proportional distance,

Set an iron post, 3 ft. long, 1 in. diam., 28 ins. in the ground, for § see. cor., with brass cap marked

8 18  
+ 8 13

1938

stone, 3 ft. base, 2 ft. high, N. of cor. raise a mound of

Descend SE. slope 90 ft.

45.20	Hayme, 10 lks. wide, course S. 30° W. Ascend NW. slope 265 ft.
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50.30	Spur, slopes SW. Continue ascent of broken SW. slope 210 ft.
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57.80	Ridge, bears N. and S.; divide between E. and W. forks of San Dimas Canyon. Descend SE. slope 500 ft.
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67.20	Creek, 12 lks. wide, water 2 lks. wide, course S. 50° E., with water fall about 1 1/2 chs. NW. Ascend 50 ft.
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68.30	Narrow spur, slopes S. Descend 45 ft.
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69.00	Creek, 3 lks. wide, course S. 15° E. Ascend 120 ft.
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75.70	Hayme, course S. 30° W. Ascend SW. slope 100 ft.
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80.56	The cor. of sees. 7, 12, 13 and 18, on E. bdy. of Tp., described in the book of field notes of the boundaries of T. 1 N., Rs. 8 and 9 W., resurveyed under this group.
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Land, rough and rolling mountains  
Soil, loess, gravel, sand, 3rd and 4th rate  
Timber, oak, cottonwood and sycamore in ravines. Under-  
growth, dense chaparral, oak brush, wild lilac, mountain  
mahogany, sumac and poison oak.

From the cor. of sees. 11, 12, 13 and 14.

N. 0° 12' W. on true line bet. sees. 11 and 12.

Over broken mountains through dense undergrowth. Ascend SE. slope 10 ft.

1.70	Small spur, slopes E. Descend NK. slope 205 ft.
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5.60	Creek, 3 lks. wide, course N. 75° E. Ascend 40 ft.
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CHAINS

7.50	Havine, 3 lks. wide, course SW. Ascend SW. slope 250 ft.
13.20	Small spur, slopes S. 80° E. Descend NE. slope 50 ft.
20.00	Havine, near head, course SW. Ascend SW. slope 185 ft. to road.
24.40	Enter firebreak, bears N. 30° E. and S. 30° W.
24.90	Road, bears N. 30° E. to main road and S. 30° W. to U.S.F.S. San Dims Lookout; also divide between West Fork San Dims and Bell Ganyons, bears N. 30° E. and S. 30° W. Leave firebreak. Ascend broken SW. slope 50 ft.
37.80	Same road, bears NW. and SE. Ascend 10 ft.
38.40	Spur, slopes W. Descend NW. slope 10 ft.
38.90	Same road, bears N. 50° E. and SW. Descend 45 ft.
40.10	Proportional distance, Set an iron post, 3 ft. long, 1 in. diam., 28 ins in the ground, for 4 sec. cor., with brass cap marked
	†
	S 11   S 12
	1938
	raise a mound of stone, 3 1/2 ft. base, 2 1/2 ft. high, W. of cor.
	Descend NW. slope 35 ft.
44.40	Havine, course S. 85° W. Ascend SW. slope 40 ft.
46.50	Same road, bears NE. and SW., at curve. Descend 140 ft. to old road
50.20	Telephone line, bears N. 50° E. and S. 50° W.
52.40	Old road, bears NE. to Lambark flat and Glendora Mountain Road and SW. along Big Dalton Canyon. Descend 80 ft.
55.50	Havine, 6 lks wide, course S. 80° W., with small amount of water. Descend 40 ft. to U.S.F.S. trail.
57.70	Spur, slopes S. 80° W., with firebreak; also trail, bears E. and W.
58.80	U.S.F.S. trail, bears NE. and SW. Descend 25 ft.
59.50	Havine, course N. 60° W., near head. Descend 52 ft. to ravine.
59.90	U.S.F.S. trail, bears NW. and SE.
60.20	Spur, slopes N. 85° W.
63.00	Havine, course N. 70° W. Ascend 10 ft.
64.20	Small spur, slopes N. 70° W. Descend NW. slope 170 ft.
68.20	Havine, 6 lks wide, course NW. Descend 30 ft.
69.70	Creek, 1 1/2 lks. wide, course S. 80° W. Ascend S. slope 235 ft.

CHAINS

73.90 Spur, slopes S. 80° E. Descend NE. slope 50 ft.  
 78.50 Creek, 5 lks. wide, course S. 60° E. Ascend SE. slope 115 ft.  
 At point determined by method of double proportion,

Set an iron post, 3 ft. long, 2 ins. diam., 28 ins. in the  
 ground, for cor. of seen. 1, 2, 11 and 12, with brass cap  
 marked

1	1	1	9	W
8	2	8	1	
8	11	8	12	
1938				

stone, 3 ft. base, 2 ft. high, W. of cor.  
 raise a mound of

land, rolling and rough mountains  
 soil, rock, gravel, sand, 3rd and 4th rate  
 timber, scattering oak and sycamore in ravines. Under-  
 growth, dense chamisa, oak brush, sumac, mountain mahogany,  
 toyon.

N. 89° 45' E. on true line bet. sees. 1 and 12.  
 Over rough mountains, through dense undergrowth. Along S. slope,  
 level.

2.10 Spur, slopes S. 10° E., with firebreak along top. Descend  
 SE. slope 220 ft.

7.90 Creek, 4 lks. wide, course S. 30° W., from N., in Bell Canyon.  
 Ascend W. slope 210 ft.

14.30 Spur, slopes S. 70° W. Descend SE. slope 70 ft.  
 18.40 Ravine, course S., about 3/4 chs. to junction with ravine,  
 course S. 70° W. Ascend SW. slope 115 ft.  
 21.50 Spur, slopes S. Descend SE. slope 75 ft.

23.10 Ravine, course S. 20° E., about 2 chs., thence S. 70° W.  
 Ascend 245 ft. along top of spur, sloping W.

31.80 Head, at curve, bears NE., about 1 ch. thence NW. to Bell  
 Canyon dam and SE. about 2 1/2 chs., thence NE. and SW. on  
 Glendora-Tandark flat road. Ascend 50 ft.

34.50 Telephone line, 8 wires, bears N. 30° E. and S. 30° W.

34.70 Divide between Bell and W. fork of San Dimas Canyons, bears  
 N. 30° E. and S. 30° W., with firebreak along top, Descend  
 25 ft. over SE. slope.

35.30 Road, bears N. 30° E. to Tandark flat and S. 30° W. to  
 Glendora, via Big Dalton Canyon. Descend SE. slope 135 ft.

39.00 Ravine, near head, course S. 30° E. Ascend SW. slope 20 ft.  
 Point of spur, slopes S. Descend SE. slope 5 ft.

39.99 Proportional distance,

Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for 4 sec. cor., with brass cap marked

8 1/2  
1938

raise a mound of stone, 3 ft. base, 2 ft. high, N. of cor.

Descend SE. slope 30 ft.

Having, course S. 10° E. Ascend W. slope 145 ft.

Spur, slopes S. 50° E. Descend NE. slope 310 ft. to creek

Having, course S. 70° E., about 1 ch. to junction with creek

Creek, 2 lks. wide, 1 in. deep, course S. 10° E. Ascend SW. slope 75 ft.

Spur, slopes S. Descend SE. slope 50 ft.

Having, near head, course S. 10° W. Ascend SW. slope 50 ft.

Spur, slopes S. Descend SE. slope 80 ft.

Having, course S. 10° W., about 2 1/2 chs. Thence S. 70° W. Ascend W. slope 65 ft.

Low ridge, bears N. and S.; enter small grove of young pines, planted. Descend NE. slope 150 ft.

Leave grove of young pines, bears N. and S.

Creek, 3 lks. wide, 1 in. deep, course S. 40° E. Ascend SW. slope 40 ft.

Point of spur, slopes S. Descend SE. slope 35 ft.

Having, course S. 10° W. Ascend W. slope 65 ft.

Telephone line, 5 wires, bears N. 60° E. and S. 60° W.

Spur, slopes S. 20° W. Descend SE. slope 25 ft.

The cor. of secs. 1, 6, 7 and 12, on E. bdy. of Tp., described in the book of field notes of the boundaries of T. I N., Rs. 8 and 9 W., reurveyed under this group.

Land, rough mountains Soil, rock, gravel, 3rd and 4th rate Timber, pines, planted. Undergrowth, wild lilac, buck-thorn, mountain mahogany, oak brush, chamisal, manzanita and sumac.

from the cor. of secs. 1, 2, 11 and 12

N. 0° 22' W. on true line bet. secs. 1 and 2

Over rolling mountains through medium growth of chamisal, Ascend SW. slope 25 ft.

small side draw, course SW. Ascend 110 ft. to spur.

1.80

CHAINS

3.60	Enter firebreak, bears N. 15° W. and S. 25° E.
5.30	Long spur, slopes S. 25° E. Ascend 70 ft.
9.40	Leave firebreak, bears N. 30° W. and S. 5° E. Descend 145 ft. over NE. slope.
14.90	Ravine, 6 lks. wide, course S. 85° E. Ascend 70 ft.
16.40	Point of small spur, slopes SE. Descend 30 ft.
19.10	Greek, 4 lks. wide, course S. 40° E. Ascend SE. slope 195 ft.
23.30	Point of spur, slopes S. 30° E. Descend 15 ft.
24.30	Head of ravine, course S. 70° E. Ascend 35 ft.
26.30	U.S.F.S. trail along 2800 ft. elevation contour, bears NE. and SW. Ascend 65 ft.
28.30	Long spur, slopes S. 70° E. with firebreak along top. Descend NE. slope 65 ft.
30.70	Same U.S.F.S. trail along 2800 ft. elevation contour, bears N. 70° W. and S. 70° E. Descend 55 ft.
32.20	Greek, 8 lks. wide, with stream, 3 lks. wide, course N. 80° E. Ascend SE. slope 55 ft.
33.90	Same U.S.F.S. trail along 2800 ft. elevation contour, bears SW. and N. for 70 lks. thence E. Ascend 245 ft.
39.30	Spur, slopes S. 70° E., with firebreak along top. Descend NE. slope 10 ft.
40.10	Proportional distance, Set an iron post, 3 ft. long, 1 in. diam., 27 ins. in the ground, for $\frac{1}{2}$ sec. cor., with brass cap marked
	†
	S 2 S 1
	1938
	raise a mound of stone, 3 ft. base, 2 ft. high, W. of cor.
43.40	Head of ravine, course S. 50° E. Ascend 80 ft.
45.30	U.S.F.S. trail, bears E. and W. Ascend 5 ft.
45.70	Point of spur, slopes S. 80° E. Descend 5 ft.
46.00	U.S.F.S. trail, bears NW. and SE. Descend NE. slope 65 ft.
50.10	Ravine, 6 lks. wide, course S. 40° E. Ascend SW. slope 65 ft.
51.20	U.S.F.S. trail, bears N. 70° E. and W. Ascend 90 ft.
54.40	Spur, slopes S. 40° E. Descend NE. slope 70 ft.