

dig. in E.	W. in int.
-7.2	0° 50'
+7.5	0° 35'
-55.5	5° 45'
-71.4	16° 40'
-12.5	0° 50'
-67.7	5° 30'
-4.3	0° 10'

Red	Black	✓	Angle	Dist.
5.0	477.9	✓	S 32° 45' E	5
7.4	739.9	✓	S 75° 30' E	5
6.0	594.0	✓	S 80° E	5
2.6	235.9	✓	S 80° E	5
8.0	859.8	✓	N 66° 00' E	5
7.0	703.4	✓	N 66° 00' E	5
15.0	1500.0	✓	N 50° E	5

To Sta (3) = El. 144.7

Stadia Rods at Sta (3) = El. 145.7

-57.1	14° 54'
-55.2	5° 24'
-17.9	1° 28'
-22.2	1° 15'
-23.6	1° 05'
-49.4	2° 50'
-0.0	0° 00'
-0.0	0° 00'
at Sta (4)	1° 45'
-0.0	0° 00'

2.30	219.4	✓	N 79° 15' W
5.90	584.7	✓	N 79° 15' W
7.00	699.5	✓	" " "
10.2	1019.5	✓	N 66° 56' W
12.5	1249.5	✓	N 49° 33' W
10.0	999.6	✓	N 32° 45' W
8.50	856.0	✓	N 24° 50' W
8.70	875.0	✓	N 25° 30' W
7.50	742.5	✓	N 25° 00' W
10.50	1050.0	✓	N 15° 55' W

to Sta (4)  
in road, to Sta (5)

Stadia Readings at Sta (5) = El. 148.7

-42.33	3° 12'
-34.3	3° 45'
-17.0	1° 48'
-14.0	1° 20'
-38.9	4° 45'
-6.6	0° 20'
-24.3	10° 00'
+ 1.7	0° 05'

7.60	757.6	✓	S 15° 55' E
5.20	522.9	✓	S 30° 05' E
5.80	575.4	✓	S 34° E
6.00	599.7	✓	S 62° 20' E
4.70	466.3	✓	S 77° 40' E
11.4	1140.0	✓	S 85° 00' E
12.50	1250.0	✓	S 85° 35' E
14.00	1395.6	✓	N 81° 45' E
11.5	1150.0	✓	N 76° 07' E

to bottom  
to Sta (6) 30 ft. S. of fence  
in line Sta.

Stadia at Sta (6) = El. 147.4

-19.6	2° 30'
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4.0	449.1	✓	S 88° 45' E
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to point in bottom near Junction  
Fossil Hill Cr.

The Total Capacity = 3650. acre feet.  
 The area of the 150. ft Contour = 92. acres  
 " " " below = 30 " "  
 120  
 61 a mean x 50 = 3050. acre ft.  
 the 30. ft Contour averages  
 depth 20 ft = 600  
 3650. a. ft.

allowing 2. acre ft. to each acre and 1/4 acre ft. per  
 loss. = 2.5 acre ft. for each acre = 1460. acres the reservoir should  
 irrigate