

FOURMILE CREEK BENCH MARK RECOVERY REPORT,
SEPTEMBER 2011

Per request of the Boulder County Surveyor, Boulder Land Consultants, Inc. undertook to recover benchmarks along the Four Mile Canyon Creek corridor (County Road 118) north and west of Highway 119. These benchmarks are cited in the 1993 Boulder County Engineering Division Benchmark Listing and are also indicated in the Fourmile Creek floodplain report by Gingery Associates Inc., Colorado Water Conservation Board, Boulder County, Colorado, dated January, 1981.

The recovery effort was performed in August and September of 2011. Only three Boulder County benchmarks were recovered, as indicated herein. All other benchmarks were either not found, or found to be disturbed. A USGS bench mark was additionally found, but is not shown on abovementioned floodplain report. No leveling or elevation verification was performed as part of the recovery effort.

The datum of the benchmarks is believed to be NGVD29(1960). This datum should be verified by anyone using these benchmarks.

BOULDER COUNTY BENCHMARK 208

Found 2.5" County of Boulder Engineer brass cap in 4" diameter concrete base, 0.2' above surface. Set brown carsonite witness post nearby

The benchmark is located at the end of Fourmile Canyon Drive (County Road 118) and at the westerly end of the old settlement of Sunset, 10.7 miles +/- NW'ly from the intersection of Boulder Canyon Drive (HWY 119) and 6 miles +/- westerly from the intersection of Gold Run Road (County Road 89). Hand held GPS, NAD 83: N 40°02'09.7", W 105°28'15.6"

Published Benchmark Elevation: 7771.66



BOULDER COUNTY BENCHMARK 242

Found 2.5" County of Boulder Engineer brass cap in 4" diameter concrete base, 0.2' below surface. Set brown carsonite witness post nearby.

The bench mark is located along Fourmile Canyon Drive (County Road 118), 6.2 miles +/- NW'ly from the intersection of Boulder Canyon Drive (HWY 119) and 1.5 miles +/- westerly from the intersection of Gold Run Road (County Road 89).

Hand held GPS, NAD 83: N 40°02'22.3", W 105°23'33.5"

Published Benchmark Elevation: 6856.48



BOULDER COUNTY BENCH MARK 267

Found 2.5" County of Boulder Engineer brass cap in 4" diameter concrete base, 0.2' above surface. Set brown carsonite witness post nearby.

The benchmark is located along the south side of Fourmile Canyon Drive (County Road 118), 2.2 miles +/- NW'ly from the intersection of Boulder Canyon Drive (HWY 119). Hand held GPS, NAD 83: N 40°02'13.5", W 105°20'54.7"

Published Benchmark Elevation: 6229.63



U.S. GEOLOGICAL SURVEY BENCH MARK

Found 3.75" bronze USGS cap in top of old concrete bridge headwall.

The benchmark is located 400 feet +/- west of and on the south side of Boulder Canyon Drive (HWY 119) and Fourmile Canyon Drive (County Road 118) intersection.
Hand held GPS, NAD 83: N 40°00'53.8", W 105°19'31.4"

Published Benchmark NGVD29 Elevation: 5729.43

