

## Boulder County Benchmarks 2014 - Boulder Creek, Four Mile Creek, Lefthand Creek, Middle St. Vrain Creek Corridor

Amended 01/19/15 - (BLC #412BC-14)

(The elevations shown below were determined by Fast-Static Post-Processed GPS Methodology, employing five NGS 1st Order Benchmarks.

Spot checks performed via differential leveling found elevations to be +/- 0.05')

Pt ID	NAVD88 Elevation	Description	Latitude	Longitude	Comments/Location	S/T/R	QTR
<b>Middle St. Vrain Corridor</b>							
MSV-14A	7451.70	FOUND 2.5" BRASS CAP IN NORTH W'LY HEADWALL OF BRIDGE IN RIVERSIDE	40°10'32.2"N	105°26'15.4"W	BRIDGE IS ON OLD HIGHWAY 72 WHERE IT CROSSES THE MIDDLE ST. VRAIN CREEK IN RIVERSIDE	34-2N-72	S1/2
MSV-14B	7695.68	FOUND 2.5" BRASS CAP IN SOUTH W'LY HEADWALL OF BRIDGE IN RAYMOND	40°09'32.5"N	105°27'16.3"W	BRIDGE IS JUST SOUTH OF INTERSECTION OF OLD HIGHWAY 72 AND OLD HIGHWAY 160(?) ACROSS FROM THE RAYMOND STORE	4-2N-72	SE
<b>Lefthand Canyon Creek Corridor</b>							
LH14-B	5850.72	FOUND 2.5" BRASS CAP IN CONCRETE HEADWALL	40°06'54.5"N	105°18'27.8"W	BENCHMARK IS ON SOUTH SIDE OF LEFT HAND CREEK ROAD ON THE SOUTH END OF CONCRETE HEADWALL AT MILE MARKER 2.7	23-2N-71	SE
LH14-A	5633.65	SET 2" BRASS BOULDER COUNTY SURVEYOR CAP IN CONCRETE HEADWALL	40°07'53.8"N	105°17'32.5"W	SOUTH SIDE OF ROAD. NORTH SIDE OF CREEK. CROSS OVER A DIVERSION DITCH TO GET TO HEADWALL	13-2N-71	SW
LH14-C	6022.18	SET 2" BRASS BOULDER COUNTY SURVEYOR CAP IN WEST SIDE OF NORTH CONCRETE HEADWALL	40°06'34.7"N	105°19'00.7"W	HEADWALL IS ON THE NORTH SIDE OF LEFT HAND CANYON DRIVE NEAR MILE MARKER 3.2	26-2N-71	NW
LH14-D	6342.85	SET 2" BRASS BOULDER COUNTY SURVEYOR CAP IN NORTH SIDE OF EAST WINGWALL	40°06'08.00"N	105°20'31.8"W	WINGWALL IS LOCATED ON THE EAST SIDE OF JUNCTURE OF LEFT HAND CANYON DRIVE AND JAMES CANYON	28-2N-71	SE
1405	7010.54	BOULDER 100 IS A 3.5" BRASS DISK SET IN A LARGE ROUND CONCRETE BASE	40°04'48.21"N	105°22'49.36"W	BOULDER 100 IS LOCATED ON THE SOUTH SIDE OF ROAD ACROSS FROM 8078 LEFT HAND CANYON DRIVE	6-2N-71	NE

Pt ID	NAVD88 Elevation	Description	Latitude	Longitude	Comments/Location	S/T/R	QTR
<b>Four Mile Canyon Creek Corridor</b>							
1420	5740.49	3.75" USGS BRASS CAP IN CONCRETE HEADWALL	40°00'53.7"N	105°19'31.4"W	IN NE CONCRETE RAILING OF BRIDGE CROSSING BOULDER CREEK ACROSS FROM TURNOFF TO FOUR MILE CANYON	34-1N-71	NE
267	6233.25	2.5" ENGINEER BRASS CAP IN CONCRETE PLUG	40°02'13.5"N	105°20'54.6"W	3.7 MILES DOWN FOUR MILE CANYON FROM WALL STREET AND PT 242. SOUTH SIDE OF ROAD NEAR SHARP DROP OFF	21-1N-71	NW
242	6860.47	2.5" COUNTY OF BOULDER ENGINEER BRASS CAP IN CONCRETE BASE	40°02'22.1"N	105°23'33.6"W	LOOK FOR BRASS CAP AT EAST SIDE OF A LONG RED SHED ACROSS ROAD FROM OLD ASSAY OFFICE	19-1N-71	NW
208	7776.04	2.5" COUNTY OF BOULDER ENGINEER BRASS CAP IN CONCRETE PLUG	40°02'09.6"N	105°28'15.6"W	TAKE UPPER ROAD JUST WEST OF SUNSET. NORTH SIDE OF ROAD UP A SMALL INCLINE	20-1N-72	NE
<b>Mouth of Boulder Canyon</b>							
BC14-A	5444.61	2.5" BRASS CAP IN CONCRETE SIDEWALK	40°00'46.9"N	105°17'52.5"W	IN CONCRETE SIDEWALK ADJACENT TO HEADWALL AT SE CORNER OF BRIDGE CROSSING BOULDER CREEK AT ARAPAHOE AND CANYON	36-1N-71	NW
P.I. 358	5476.53	2.5" BRASS CAP IN CONCRETE PAD	40°00'43.8"N	105°18'09.6"W	ADJACENT TO STONE PILLAR NEAR NE CORNER OF BRIDGE (HWY119) OVER BOULDER CREEK	35-1N-71	NE