

# Soil Testing Results in Marshall Fire Burn Areas

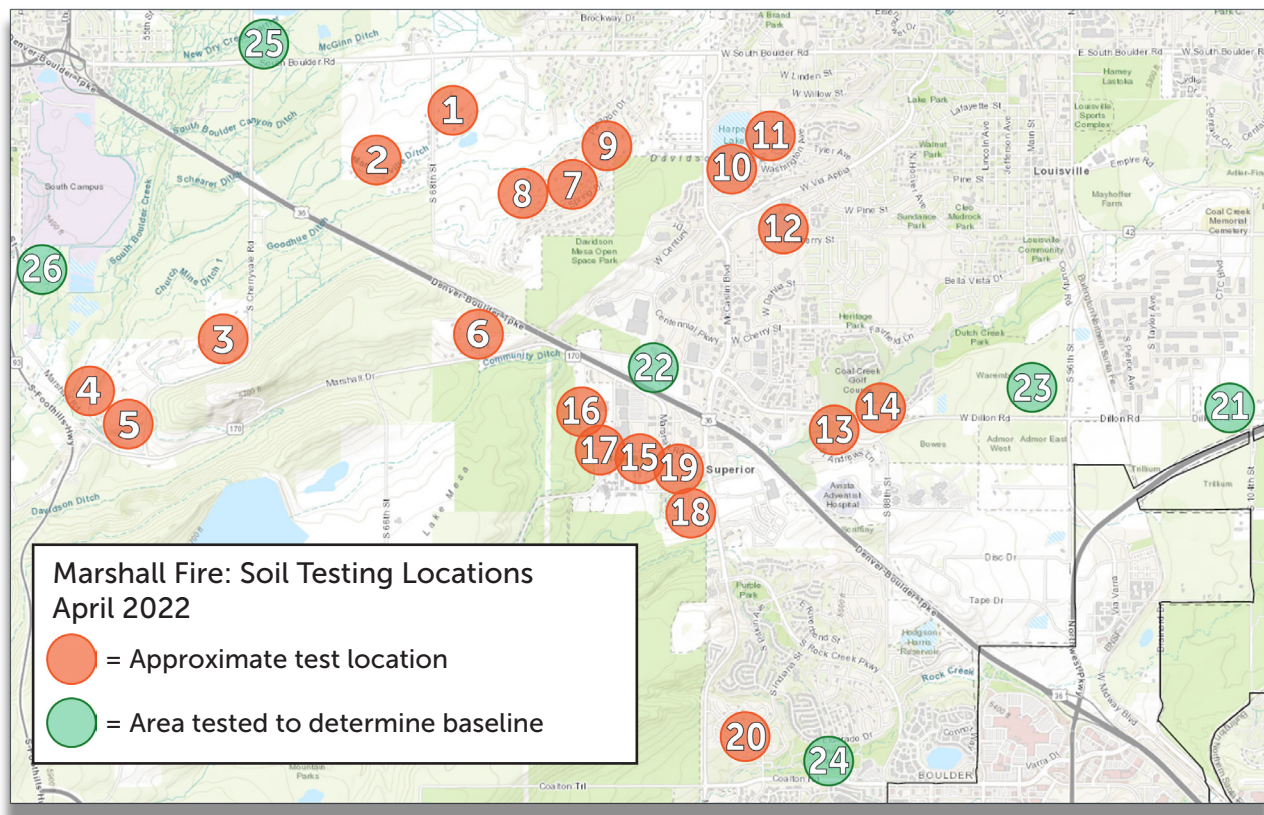


[Testing results in Marshall fire burn areas](#) do not indicate that the amount of metals and asbestos in the soil pose a significant health risk and are consistent with locations not impacted by the fire.

Two of the 26 properties tested returned results above normal levels, but it is believed the Marshall fire did not cause the elevated levels. In addition, tests did not detect asbestos at any locations.

As a result of these findings, BCPH recommends that testing requirements for private debris removal permits be reduced from testing for 17 metals and asbestos to eight metals, including arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver.

This altered recommendation will continue to provide safeguards for public health while also reducing the financial burden of soil testing on homeowners. BCPH will continue to evaluate recommendations based on additional test results.



## 1 68th Street

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.044	<3.0	10.7	97.3	<2.5	<0.99	18	11.5	2130
3-6 inches	<0.045	<3.4	13.5	138	<1.1	<1.1	17.4	5.5	52.3
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	9.3	3.2	11.3	<10	<3.0	<3.0	80.7	329	ND
3-6 inches	8.8	3.5	10	<16	<3.4	<2.5	47	54.7	ND

## 2 Whaley Drive

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.046	<3.3	11.6	132	<1.1	<1.1	14.8	7.9	20.4
3-6 inches	<0.050	<3.6	11.8	122	<1.2	<1.2	15.1	7.2	20.9
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	9.3	3.8	10.7	<14	<3.3	<2.7	45	62.1	ND
3-6 inches	13.2	3.7	10	<13	<3.6	<2.1	45.2	84.1	ND

## 3 S Vale Drive

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	1.3	<3.3	8.7	131	<1.1	<1.1	16.2	6	53.4
3-6 inches	1.2	<3.7	12.6	115	<1.2	<1.2	16.7	6.6	33.6
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	71.4	2.4	10.6	<5.5	<3.3	<1.1	34.3	376	ND
3-6 inches	53.3	2.7	11.9	<6.2	<3.7	<1.2	40	312	ND

## 4 Marshall Road

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	0.2	<3.5	6.1	154	<1.2	<1.2	13.9	5.1	20.4
3-6 inches	0.1	<3.4	7.9	168	<1.1	<1.1	14.4	5	19.2
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	98.3	2.5	8.7	<5.8	<3.5	<1.5	33.8	163	ND
3-6 inches	131	2.2	8.7	<5.6	<3.4	<1.1	33.5	170	ND

## 5 Marshall Road

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	0.12	<3.1	6.9	124	<1.0	<1.0	12.2	5.5	17.2
3-6 inches	0.18	<3.1	9.6	347	<1.0	<1.0	10.3	5	23.3
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	98	2	8.5	<5.8	<3.1	<1.0	29.3	168	ND
3-6 inches	167	2.3	7.5	<5.2	<3.1	-3	30	539	ND

## 6 Marshall Road

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	0.091	<3.1	9.6	159	<1.0	<1.0	18.9	6.4	28.5
3-6 inches	0.1	<3.4	11	156	<1.1	<1.1	18	5.1	24.5
6-9 inches	0.081	5.7	10.8	147	<1.1	<1.1	16.9	5.7	20
9-12 inches	0.065	<3.4	14.3	198	1.1	<1.1	21.1	6.4	14.6
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	26.4	3.2	10.8	<13	<3.1	-1.6	40.7	99.2	ND
3-6 inches	28.5	3.6	10.5	<10	<3.4	<2.6	42.3	157	ND
6-9 inches	24.8	3.3	10	<5.8	<3.3	<1.6	47	73.7	ND
9-12 inches	15.8	2.7	17.5	<5.8	4.2	<1.1	102	62.8	ND

## 7 Spring Drive

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.048	4.2	10.6	119	<1.0	<1.0	17	5.8	10.8
3-6 inches	<0.047	4.1	9.3	124	<1.0	<1.0	17.7	5.8	11
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	<5.2	2.8	10.6	<5.2	<3.1	-1.2	43.7	34.3	ND
3-6 inches	<5.0	2.9	10	<5.3	<3.0	<2.0	42.6	35.4	ND

## 8 Benchmark Drive

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	0.076	<3.4	9	416	<1.1	<1.1	20.3	8.6	21.9
3-6 inches	0.079	<3.3	9.7	213	<1.1	<1.1	20.8	7.2	21.2
6-9 inches	0.072	<3.6	7.4	276	<1.2	<1.2	18.5	7.2	20.7
9-12 inches	0.077	<3.7	7.9	193	<1.2	<1.2	19.8	7.8	22.1
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	20.4	1.8	16.6	<5.7	<3.4	<1.1	52	72.4	ND
3-6 inches	14	2.2	14.8	<5.6	<3.3	<1.1	51.3	62.9	ND
6-9 inches	18.1	2.1	13.9	<6.0	<3.6	1.8	43.7	68.9	ND
9-12 inches	15	2.1	17.9	<6.1	<3.7	<1.2	46.3	56.6	ND

## 9 Paragon Drive

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.051	11.1	13.7	246	<1.2	<1.2	18.8	14.4	134
3-6 inches	0.063	5.3	11.8	189	<1.2	<1.2	16	7.8	126
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	452	4.4	9.9	<13	<3.7	<1.2	50.2	1150	ND
3-6 inches	153	2.5	9.6	<14	<3.6	<1.2	40.6	402	ND

## 10 Eldorado Lane

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.046	<3.5	33.3	91.3	<1.2	<1.2	31.6	4.1	27.8
3-6 inches	<0.046	4	10.8	109	<1.1	<1.1	18.2	5.5	13.6
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	<5.8	1.8	7.1	<5.8	<3.5	<2.5	30.1	59.1	ND
3-6 inches	13.1	1.2	10.2	<5.3	<3.2	<1.1	37.9	45.6	ND

## 11 Mt Evans Court

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.043	<3.0	10.3	118	<0.99	<0.99	15.8	4.3	27
3-6 inches	<0.045	3.4	7.6	118	<1.0	<1.0	16.1	4.6	15.8
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	<4.9	3.2	7	<8.0	<3.0	<0.99	28.8	47.7	ND
3-6 inches	<5.2	2.6	7.7	<11	<3.1	<2.4	29.4	48.4	ND

## 12 W Mulberry Street

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.050	3.9	12.3	129	<1.2	<1.2	14.4	4.5	20.4
3-6 inches	<0.049	6.6	12	109	<1.2	<1.2	14.1	5.1	16.6
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	<5.8	3.5	7.1	<5.8	<3.5	<1.2	35.8	90	ND
3-6 inches	<5.8	3.3	8.2	<7.3	<3.5	<1.2	49	80	ND

## 13 St Andrews Lane

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.049	<3.5	6.3	128	<1.2	<1.2	15.4	5.9	13.5
3-6 inches	<0.049	<3.6	6.2	142	<1.2	<1.2	16.3	4	11.6
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	11.1	1.7	19.3	<5.92	<3.5	2.5	38.9	90.2	ND
3-6 inches	7.8	1.9	10.4	<6.0	<3.6	<1.2	42.4	42.3	ND

## 14 Spyglass Circle

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.045	<3.5	9.1	99.5	<1.2	<1.2	15.6	5.8	74.9
3-6 inches	<0.048	3.7	9.7	95.6	<1.2	<1.2	10.6	5.7	14.7
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	<5.8	2.2	8.7	<8.5	<3.5	<1.2	34.6	52.8	ND
3-6 inches	7.1	2	8.4	<5.8	<3.5	<1.2	27.4	48.4	ND

## 15 W Coal Creek Drive

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.046	4	22.4	192	<1.1	<1.1	22.6	5.2	33.7
3-6 inches	<0.045	<3.4	14	229	<1.1	<1.1	20.5	5	18.6
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	15.3	2	12.2	<5.7	<3.4	2.5	52.3	99.9	ND
3-6 inches	52.2	1.5	12.2	<5.7	<3.4	<1.1	55	99	ND

## 16 Cherokee Avenue

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.044	<3.0	10.7	97.3	<2.5	<0.99	18	11.5	2130
3-6 inches	<0.045	<3.4	13.5	138	<1.1	<1.1	17.4	5.5	52.3
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	9.3	3.2	11.3	<10	<3.0	<3.0	80.7	329	ND
3-6 inches	8.8	3.5	10	<16	<3.4	<2.5	47	54.7	ND

## 17 Cayuga Way

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.050	4.3	12.6	141	<1.2	<1.2	13.4	4.1	21.7
3-6 inches	<0.044	4.8	11.6	165	<1.2	<1.2	14.5	3.6	123
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	7	2.7	6.4	<15	<3.6	<1.2	32.9	169	ND
3-6 inches	8.7	3	6.6	<17	<3.5	<1.2	34.3	176	ND

## 18 2nd Avenue

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.060	34.6	2030	135	<1.4	37.4	1820	4.8	1490
3-6 inches	<0.043	7.8	356	59.2	<1.2	6.8	393	4.4	255
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	198	2.4	9.4	<10	<4.3	<1.5	17.6	410	ND
3-6 inches	16	1.4	5.6	<5.9	<3.6	<1.2	25.5	124	ND

## 19 W Coal Creek Drive

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.046	4	22.4	192	<1.1	<1.1	22.6	5.2	33.7
3-6 inches	<0.045	<3.4	14	229	<1.1	<1.1	20.5	5	18.6
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	15.3	2	12.2	<5.7	<3.4	2.5	52.3	99.9	ND
3-6 inches	52.2	1.5	12.2	<5.7	<3.4	<1.1	55	99	ND

## 20 Bristol Street

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.046	<3.7	7.3	136	<1.2	<1.2	13.9	5.2	15.6
3-6 inches	<0.045	<3.7	10.6	135	<1.2	<1.2	16.4	5.1	15.5
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	7.9	2	9.5	<7.9	<3.7	<1.2	43.5	188	ND
3-6 inches	9.3	2	12	<7.0	<3.7	<1.2	47.8	266	ND

## 21 S 104 Street

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.049	<3.6	9.4	155	<1.2	<1.2	18.3	5.8	13.9
3-6 inches	<0.049	4.3	11.1	167	<1.2	<1.2	16.6	6	15.8
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	<6.0	2.4	11.3	<12	<3.6	<1.2	47.1	48.8	ND
3-6 inches	<5.8	2.6	9.2	<13	<3.5	3.5	42	50.8	ND

## 22 Dyer Road

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.045	<3.3	7.2	108	<1.1	<1.1	18.1	5.7	11.7
3-6 inches	<0.050	<3.6	12.1	163	<1.2	<1.2	20.2	8.5	13.1
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	17.3	1.4	11.2	<5.5	<3.3	<1.1	45.7	55.1	ND
3-6 inches	16.9	3.9	16	-14	<3.6	<1.2	54.1	54.8	ND

## 23 Dillion Road

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.044	<3.5	9.7	126	<1.2	<1.2	19.2	7.3	12.6
3-6 inches	<0.048	<3.3	10.1	145	<1.1	<1.1	19.5	7	12.7
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	9.2	2	13.7	<6.5	<3.5	<1.2	48.6	51.4	ND
3-6 inches	10	2.6	13.5	<5.5	<3.3	<1.1	48.1	46	ND

## 24 Coalton Road

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.048	<3.8	7.7	102	<1.3	<1.3	13.1	6.3	15.7
3-6 inches	0.055	<3.3	8.6	137	<1.1	<1.1	15.8	7.8	22.3
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	7.5	2.6	11.1	<6.4	<3.8	<1.3	38.7	50.9	ND
3-6 inches	14.1	2.3	14.5	<6.5	<3.3	<1.1	41.7	64.2	ND

## 25 Cherryvale Road

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	<0.048	<3.2	7.2	75.9	<1.1	<1.1	15.9	3	8.9
3-6 inches	<0.045	<3.3	11.3	106	<1.1	<1.1	16.9	4	12
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	42.2	2.6	13.1	<9.5	<3.2	<1.1	22.4	31.6	ND
3-6 inches	58.2	3.3	9.2	<5.9	<3.3	<1.1	32.6	37.2	ND

## 25 Marshall Road

DEPTH	Mercury	Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper
0-3 inches	0.067	<3.8	10	147	<1.3	<1.3	21.4	7.2	16.6
3-6 inches	0.056	<3.5	12.5	147	<1.2	<1.2	21.7	7.2	15.9
	Lead	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc	Asbestos
0-3 inches	35.4	2.3	14.4	<6.4	<3.8	<1.8	48.2	76.2	ND
3-6 inches	29.9	2	15.6	<5.9	<3.5	<1.2	49.9	70.5	ND