

Post Marshall Fire Surface Water Monitoring Efforts

Colorado Department of Public Health and Environment, Water Quality Control Division

- Sampled 8 locations in 2 separate sampling events (see map: pink locations) for various water quality parameters including metals, semi-volatile organics, volatile organics, petroleum products and various chemical compound (ex PCB's).
- Summary of Sampling Results: 74% of results below detection, concentrations of heavy metals were negligible, chemical concentrations (SVOC, VOC's) negligible.
- Results can be found here: https://drive.google.com/drive/folders/1YC0vwmDc2X3cSTLy_FfGvAHrpGyCEJhx?usp=sharing
- Future Actions: No discernable need for further water quality monitoring efforts by the CDPHE WQCD at this time.

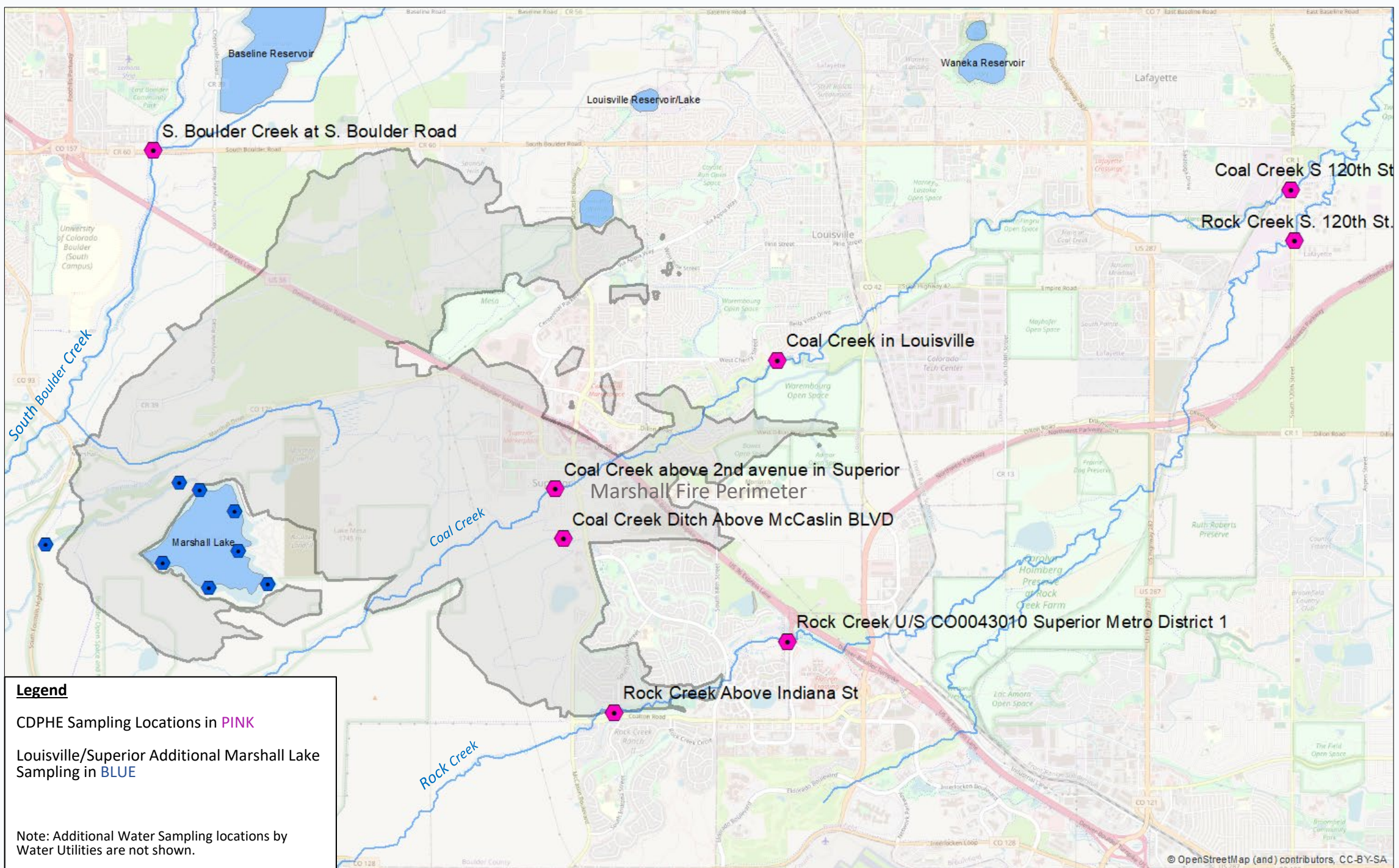
Public Water Providers (Louisville, Superior and others)

- Raw water monitoring of Marshall Lake, water conveyance operational monitoring, installation of taste and odor treatment (Superior).
- Sampling results can be found by contacting your local Public Water Provider.
- Marshall Lake sampling evaluated levels of nitrogen, phosphorus, and nutrients which have all been reported and are within normal ranges for a source water reservoir.
- Future Actions: The City of Louisville continues the increased monitoring efforts of source water from Marshall Lake and is coordinating ongoing efforts with the reservoir owner and other water users. Louisville has also enhanced their water quality response plan to provide targeted action if fire impacts become more pronounced beyond typical observed water quality thresholds.

Additional Water-related Resources & Environmental Sampling Following the Marshall Fire

- Keep it clean Partnership: <https://www.keepitcleanpartnership.org/post-fire-monitoring/>
- Town of Superior: <https://www.superiorcolorado.gov/departments/public-works-utilities/potable-water/smoky-water>
- Boulder County: <https://bouldercounty.gov/disasters/wildfires/marshall/#1649279107265-2dce6877-2362>
- City of Louisville: <https://www.louisvilleco.gov/living-in-louisville/residents/louisville-rebuilds-marshall-fire-recovery/air-soil-water>
- CU Projects:
<https://outreach.colorado.edu/program/monitoring-the-watershed-after-the-marshall-fire/>
<https://www.colorado.edu/program/hydrosciences/2022/04/06/monitoring-recovery-coal-creek-ecosystem-following-marshall-fire>





Legend

CDPHE Sampling Locations in PINK

Louisville/Superior Additional Marshall Lake Sampling in BLUE

Note: Additional Water Sampling locations by Water Utilities are not shown.