

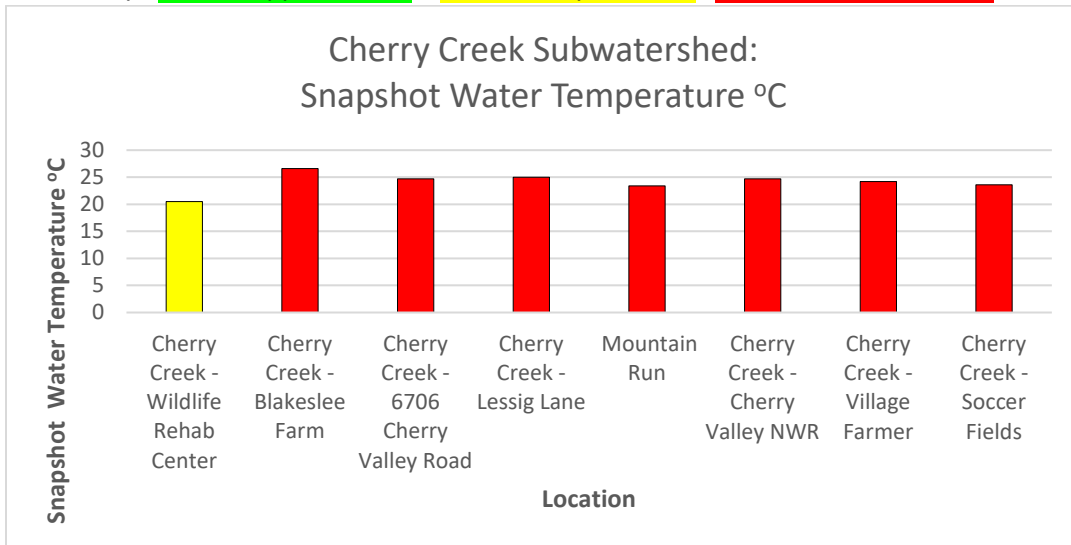


Cherry Streamwatch Snapshot- August 1, 2024

Volunteers collected temperature and conductivity data at 8 sites in the Cherry Creek watershed on August 1, 2024, in the afternoon.

Temperature is shown in relation to trout health:

Key: < 19°, supports trout - 19-21°, risky for trout, >21°, trout are stressed



Conductivity - Cherry Creek flows through a limestone valley and picks up natural minerals along the way. Background conductivity is about 250 $\mu\text{S}/\text{cm}$. Conductivity is a measure of the ability of water to conduct electricity. Conductivity greater than 300 $\mu\text{S}/\text{cm}$ is harmful to the aquatic insects trout feed on. Conductivity and chloride are closely related. At the Wildlife Rehab Center, and in Mountain Run, conductivity levels show no human impact. Further downstream, conductivity increases, showing impact from human activities, primarily chloride in deicing materials

Key: <250 $\mu\text{S}/\text{cm}$, natural condition, 250-300 $\mu\text{S}/\text{cm}$, above natural condition >300 $\mu\text{S}/\text{cm}$, harmful

