

2010 Big Dry Creek Instream Water Quality Monitoring Program

Water Quality Parameter	City Responsible for Analysis	Field/Lab Procedure	Sample Frequency
ALKALINITY, TOTAL - CARBONATE, BICARBONATE, & HYDROXIDE MIX	Northglenn	SM2230B	Monthly
ARSENIC, TOTAL RECOVERABLE	Broomfield	EPA 200.8	Quarterly
BORON, TOTAL	West. Big Dry WWTP (Lab)	EPA 200.7	Quarterly
CADMIUM, DISSOLVED	Broomfield	EPA 200.8	Quarterly
CALCIUM	Broomfield Env. Lab	SM 3500-Ca B. EDTA	Monthly
CARBON, TOTAL ORGANIC	Broomfield Env. Lab	SM 5310 C	Monthly
CHLORIDE	Broomfield Env. Lab	EPA 300.0	Monthly
CHLOROPHYLL A, CORRECTED FOR PHEOPHYTIN	Northglenn (Calculation)	SM10200H	Monthly
CHLOROPHYLL A, UNCORRECTED FOR PHEOPHYTIN	Northglenn	SM10200H	Monthly
CHROMIUM, DISSOLVED	Broomfield	EPA 200.8	Quarterly
CONDUCTANCE, SPECIFIC	Northglenn	SM2510B	Monthly
COPPER, DISSOLVED	Broomfield	EPA 200.8	Quarterly
CYANIDE, TOTAL	Northglenn	EPA335.2	Quarterly
DISSOLVED OXYGEN (DO)	Northglenn	SM45000-G	Monthly
E. COLI	City of Thornton	Colilert	Monthly
FLOW	Northglenn		Monthly @ 5 sites
HARDNESS	Calculated Value		Monthly
IRON, TOTAL RECOVERABLE	Broomfield Env. Lab	SM 3111B	Quarterly
LEAD, DISSOLVED	Broomfield	EPA 200.8	Quarterly
MAGNESIUM	Broomfield Env. Lab	SM 3111B	Monthly
MANGANESE, DISSOLVED	Broomfield	EPA 200.8	Quarterly
MERCURY, TOTAL	Albion	EPA 1631e	Quarterly @ 120th only
NICKEL, DISSOLVED	Broomfield	EPA 200.8	Quarterly
NITROGEN, AMMONIA	West. Big Dry WWTP (Lab)	EPA 350.1	Monthly
NITROGEN, NITRITE (NO ₂)	Broomfield Env. Lab	EPA 353.2	Monthly
NITROGEN, NITRITE (NO ₂) + NITRATE (NO ₃)	West. Big Dry WWTP (Lab)	EPA 350.1	Monthly
NITROGEN, UNIONIZED AMMONIA	Calculated Value		Monthly
pH	Northglenn	SM4500H-B	Monthly
PHOSPHORUS, TOTAL	West. Big Dry WWTP (Lab)	4500 P F or 4500-PB, 5 and P.E.	Monthly
PHOSPHORUS, ORTHOPHOSPHATE AS P	Broomfield Env. Lab	EPA 365.1	Monthly
POTASSIUM	Broomfield Env. Lab	SM 3111B	Monthly
SELENIUM, DISSOLVED	Broomfield	EPA 200.8	Monthly
SILVER, DISSOLVED	Broomfield	EPA 200.8	Quarterly
SODIUM	Broomfield Env. Lab	SM 3111B	Monthly
SOLIDS, DISSOLVED	Broomfield Env. Lab	EPA 160.2	Monthly
SOLIDS, TOTAL SUSPENDED	West. Big Dry WWTP (Lab)	2540 D	Monthly
SULFATE	Broomfield Env. Lab	EPA 300.0	Monthly
TEMPERATURE, WATER	Northglenn	SM2550B	Monthly
TURBIDITY	Broomfield Env. Lab	EPA 180.1 rev.2	Monthly
ZINC, DISSOLVED	Broomfield	EPA 200.8	Quarterly
<p>Instream grab samples are collected by city staff at 7 instream monitoring locations and 3 WWTP discharges. As of 2010, DMR reported constituents are no longer collected as grab samples at WWTPs.</p> <p>Field replicates and trip blanks are also analyzed, as identified in the Big Dry Creek Sampling and Analysis Plan.</p>			