

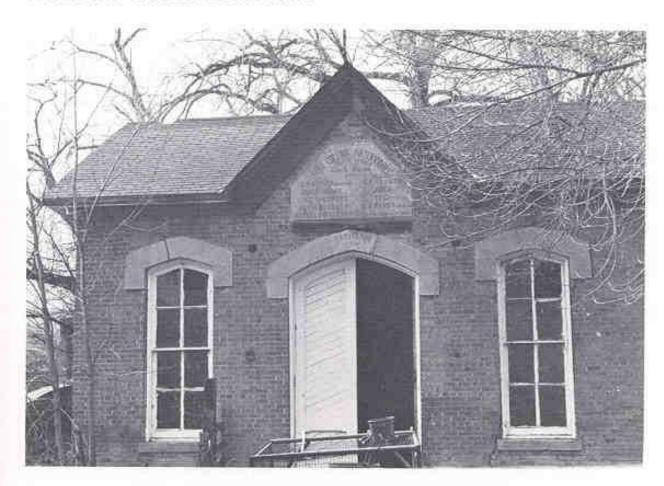


Mission Provide Community with:

- Continuous ample supply of treated water
- Pleasing to taste
- Free from known health risks
- Affordable



Overland Waterworks



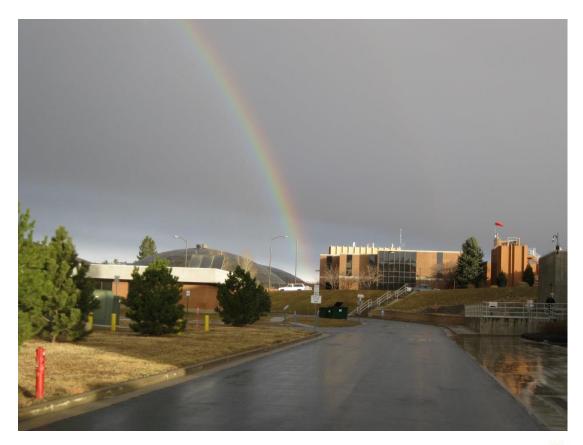
Original waterworks building constructed in 1882.

Water Plant #1





Water Plant #2





Water Production Division Organization

- Source of Supply
- Watershed
- Treatment Plant Operations and Maintenance
- Reservoirs and Off-site Pump Stations



Source of Supply – from the mountains to your tap









Clearing Road and Ditch



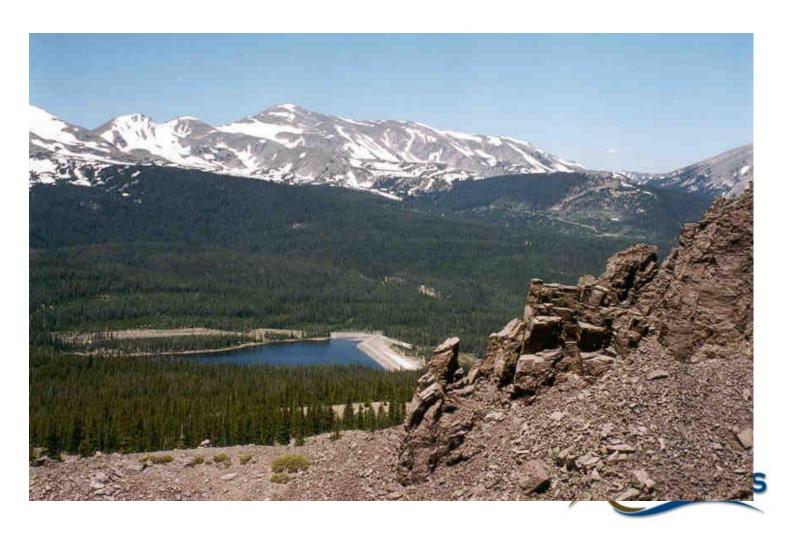


Michigan Ditch





Joe Wright Reservoir 7161 Ac Ft - 1979



Quality Starts at Watersheds



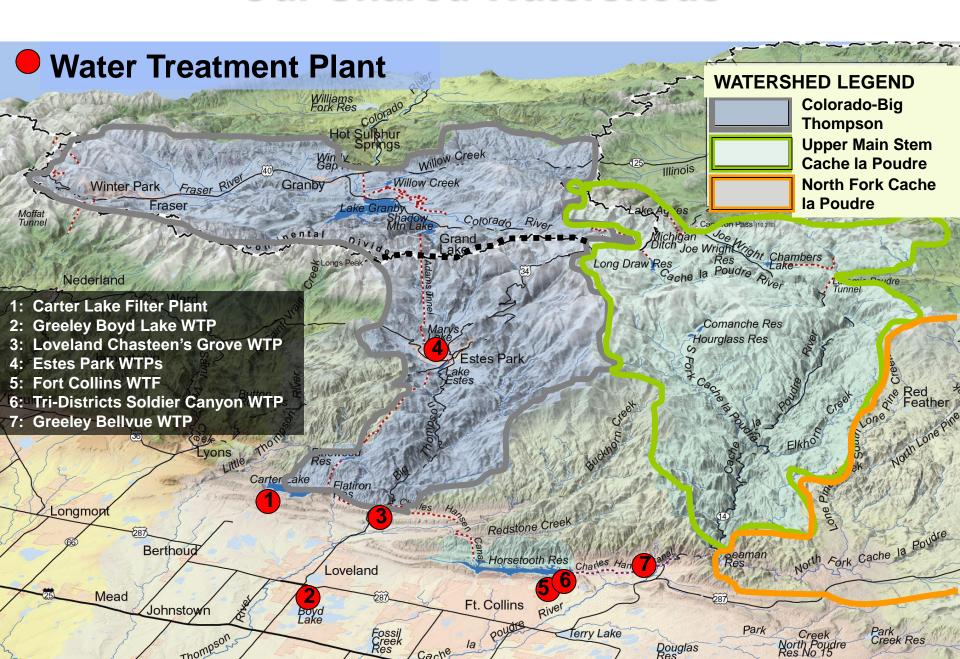
Cache la Poudre Watershed



Horsetooth Watershed



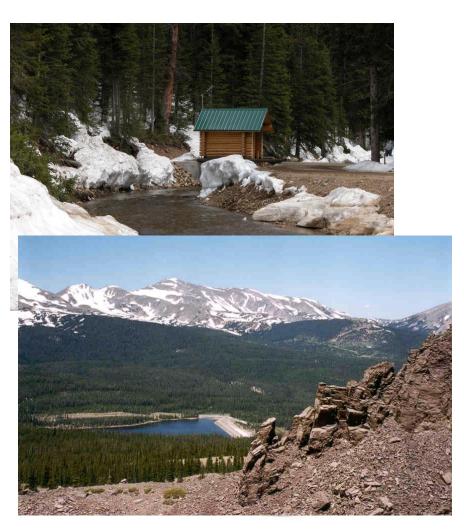
Our Shared Watersheds



CLP Watershed

Michigan Ditch

- Joe Wright Reservoir
- Halligan Reservoir



Horsetooth Sampling

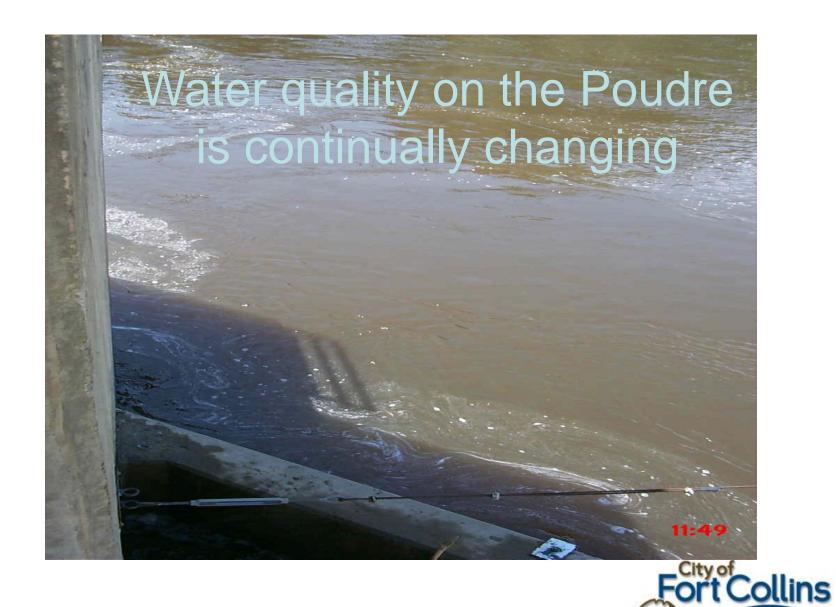
 Watershed sampling crew on Horsetooth Reservoir.





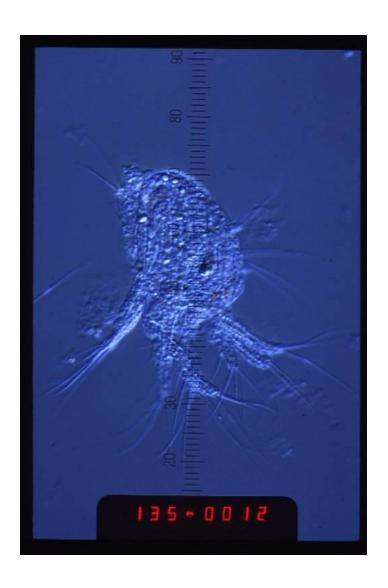
Monitoring Programs

- Upper Cache la Poudre (CLP) Collaborative Water Quality Monitoring Program
- Horsetooth Reservoir Water Quality Monitoring Program
- Big Thompson Watershed Forum
- Emerging Contaminants and Wildfire Assessments



Poudre River Quality affected by many variables





Contaminants





Car Wreck





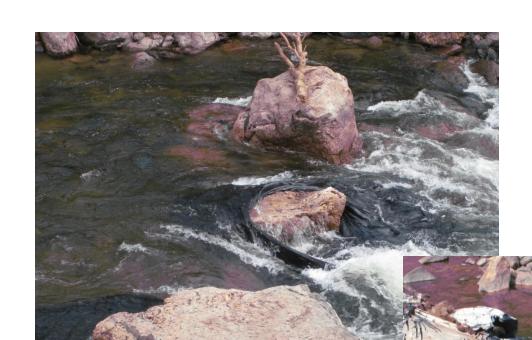
Drought











Asphalt Spills



WTF Programs

Partnership for Safe Water

 CO Environmental Leadership Program

 Environmental Management System

Xcel 2012 Efficiency Partner





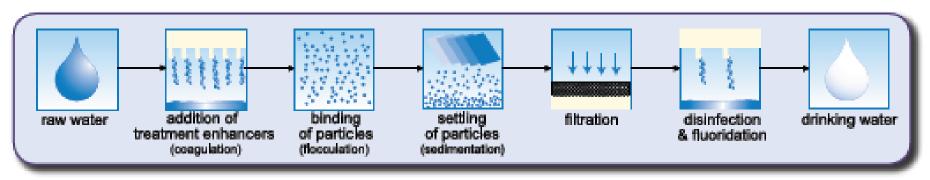
ral Leadership Prof

Solar Facility





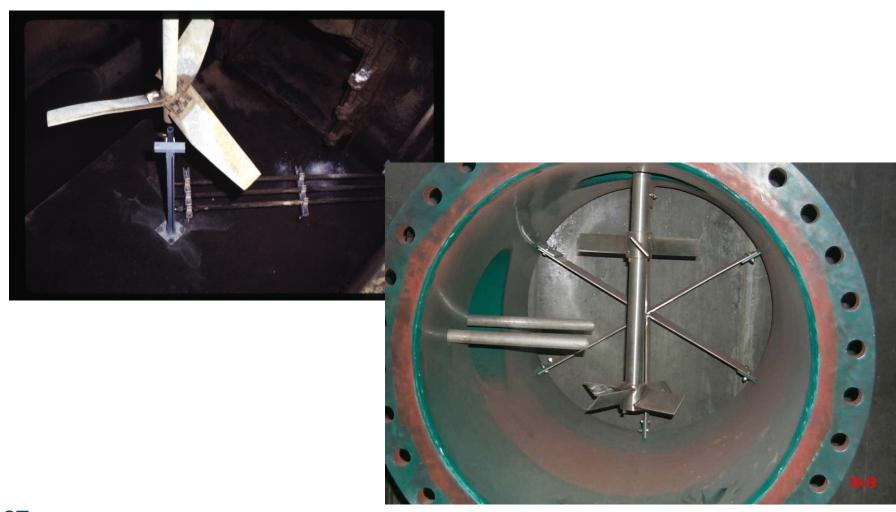
Process



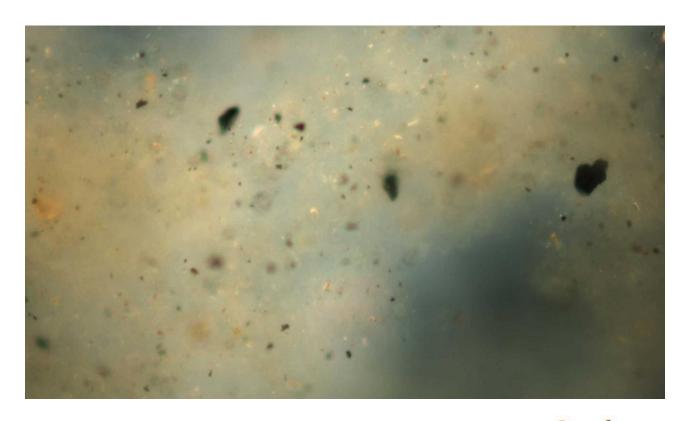
Fort Collins Utilities' Water Treatment Facility is designed to treat a maximum of 87 million gallons of water per day under normal conditions. With this facility. Fort Collins Utilities will be able to meet future challenges and demands for water treatment.



Rapid Mix



"FLOC"





Flocculation





Sedimentation

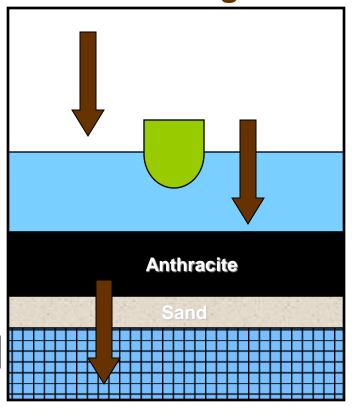


Filters

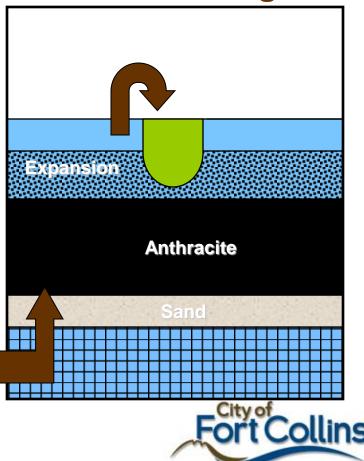


Filtration Process

Filtering



Backwashing



Disinfection/Final Polishing

- Chlorine for Disinfectant
- Fluoride
- Lime for alkalinity adjustment
- Carbon dioxide for pH adjustment



Solids Residual Management Program



Finished Water Storage

- On-site two gallon reservoirs
- One reservoir for southwest
- One reservoir for north

All with high security measures in place

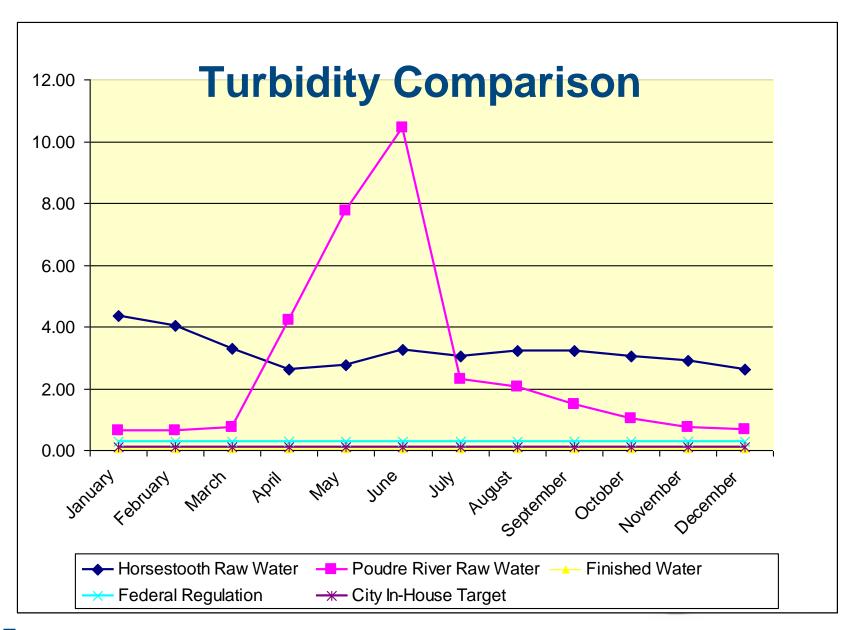


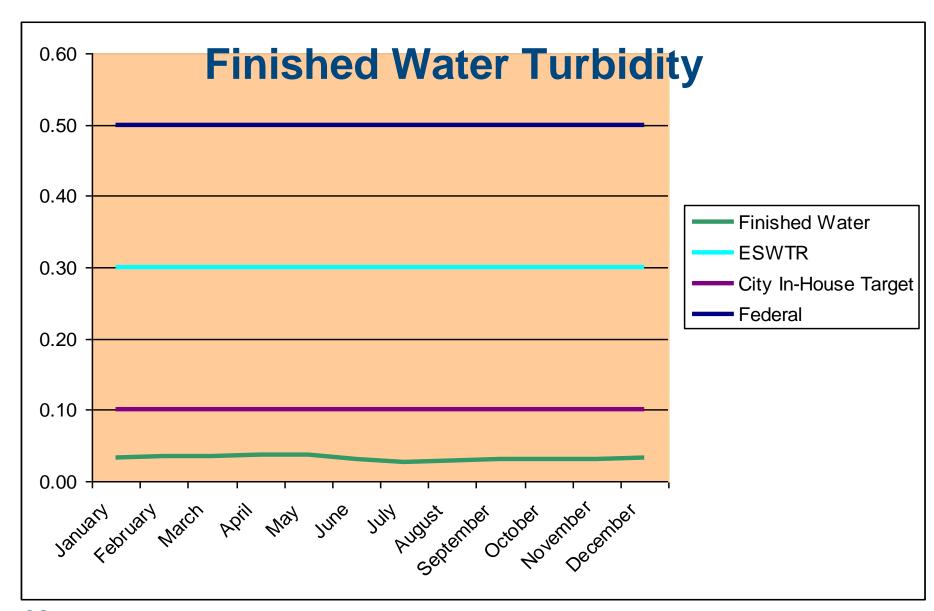
Target Quality Parameters

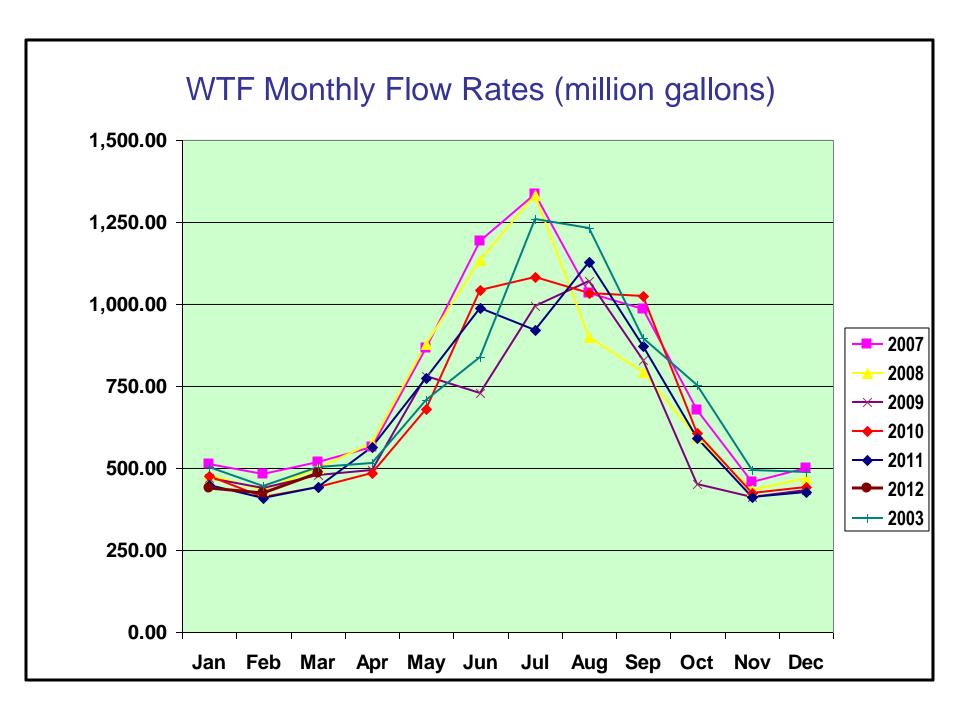
- Parameter
- pH
- Total alkalinity
- Free chlorine
- Turbidity
- Fluoride
- Dissolved Aluminum
- Color
- Manganese
- Chlorite (finished water)
- Chlorine Dioxide (finished water)

- Target Value
- 7.8-8.00 standard units
- 36 40 mg/L CaCO
- 0.70 0.80 mg/L
- <0.10 ntu at all times
- 0.90 1.05 mg/L
- < 30 ng/L
- < 2.5 standard color units
- < 5.0 ng/L
- < 0.6 mg/L
- < 0.2 mg/L









Distribution Monitoring



- Weekly
- Monthly
- Flushing
- Water Quality Response
- Valve and Hydrant Maintenance



For More Information:

Call: 970-221-6690
or visit
www.fcgov.com/UTILITIES



The key: Our Staff makes the difference!

