



Pooling Our Resources: Linking Land Use Planning and Sustainable Water Quality Part 3

Presented by:

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Denver Regional Council of Governments

7 March 2008



DRCOG

DENVER REGIONAL COUNCIL OF GOVERNMENTS

- **Introduction**
- **Who is DRCOG**
- **Information DRCOG Provides**
- **Water Quality and Land Use**
- **Other Plans**

Supporting Regionalism

Mission statement

- DRCOG is a place where local officials can work together to solve the region's problems



What is Metro Vision?

Goal: Protect the quality of life that makes our region such an attractive place to live, work, play and raise a family

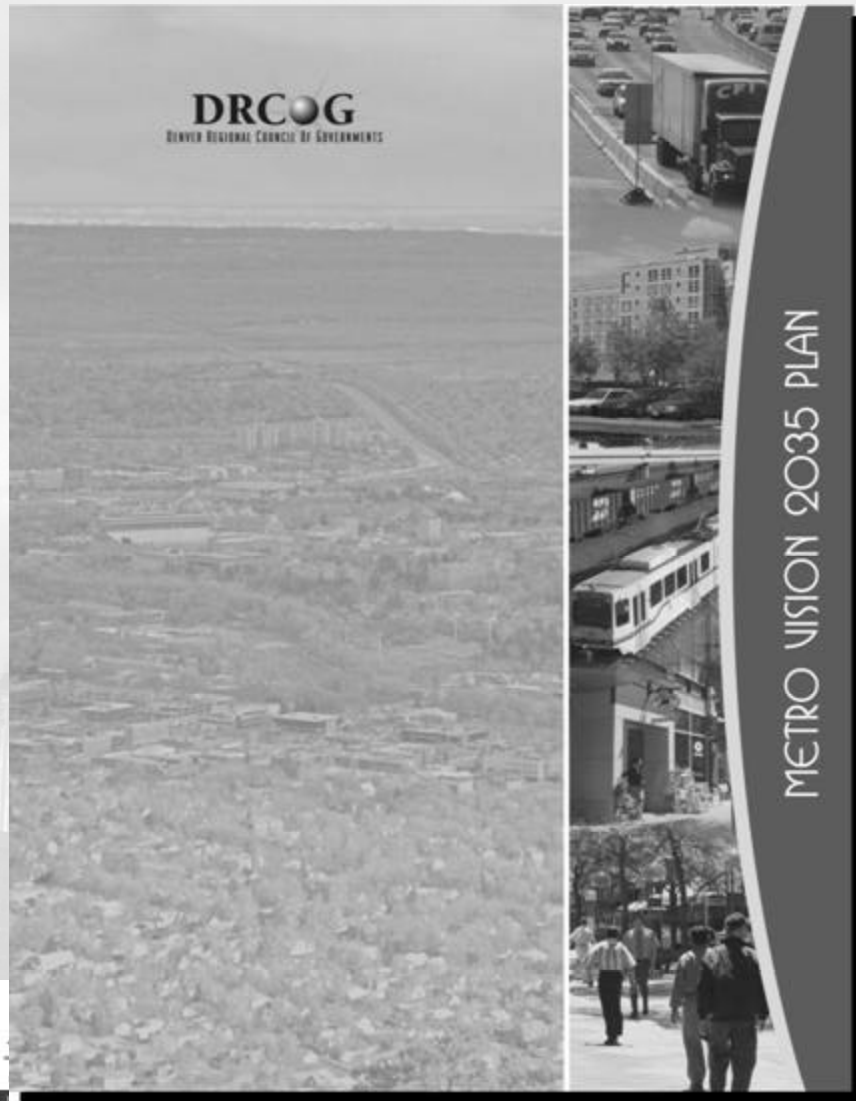


The Regional Vision

- Metro Vision provides integration that affects sustainability
- Balancing multiple objectives of local communities is key to achieving sustainable water resources



Key Elements



- Growth & Development
- Environment
- Transportation
- Implementation

DRCOG's Role in Water Quality and Land Use

Clean Water Plan: designated 208 agency

- Regional wastewater utility planning
 - wastewater reuse in new facility design



- Point Sources



- Storm Water
- Non Point
- Source Water
 - becoming part of our update in the CWP



Decision Process

Clean Water Act

U.S. Environmental Protection Agency

Standards

Permits

Regulation

Water Quality
Control Commission
State Health Department

Governor

Coalition of
Local Governments
DRCOG

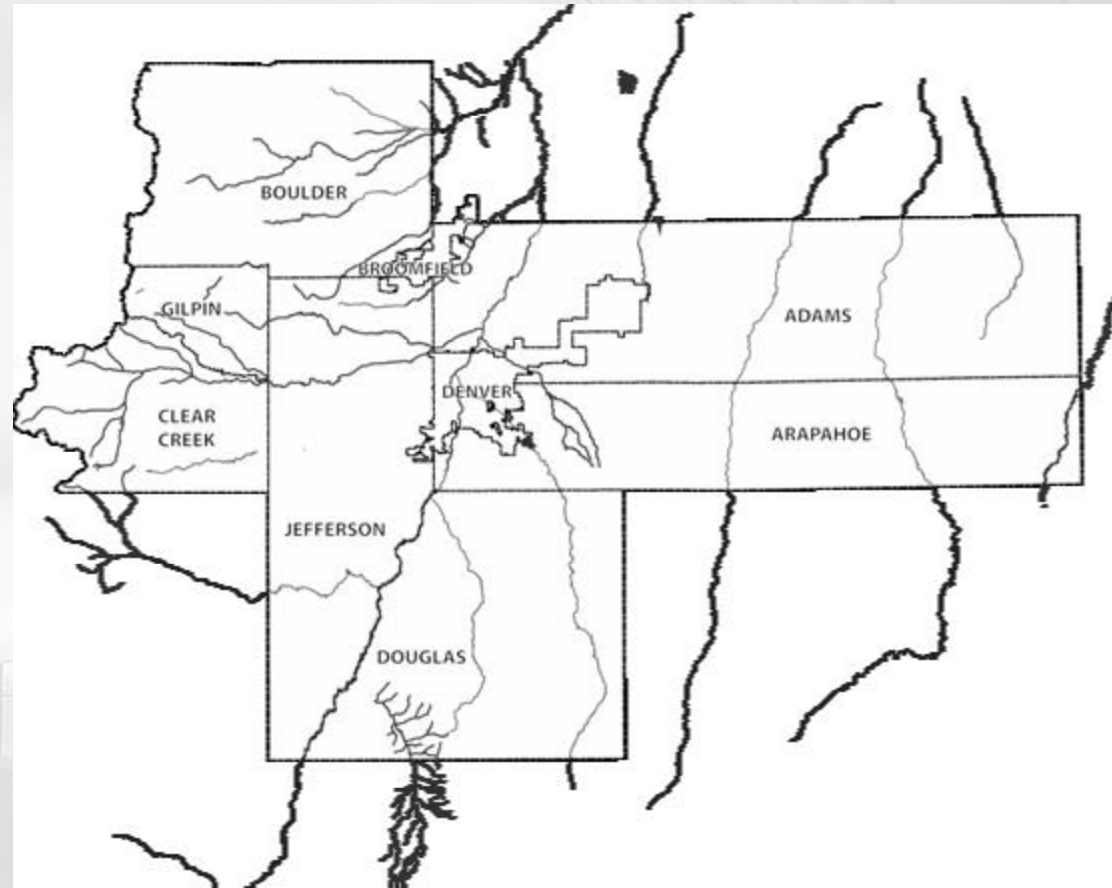
Regional Water Quality
Management Plan
[Clean Water Plan]



DRCOG is link between State and local government

Available Data and Information

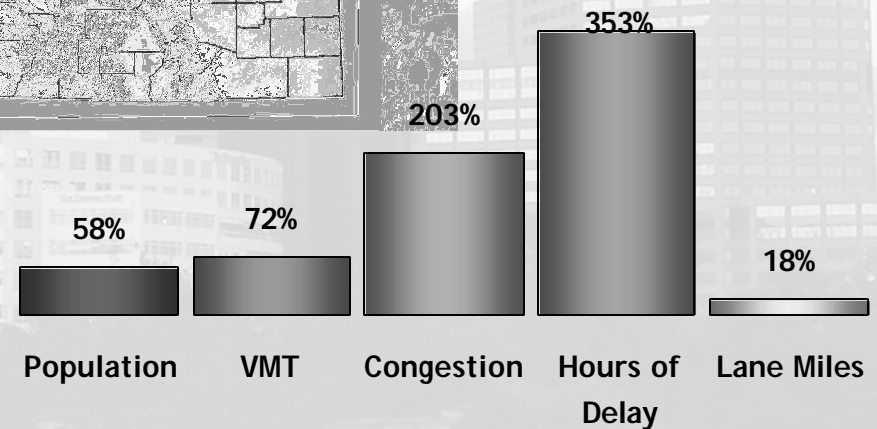
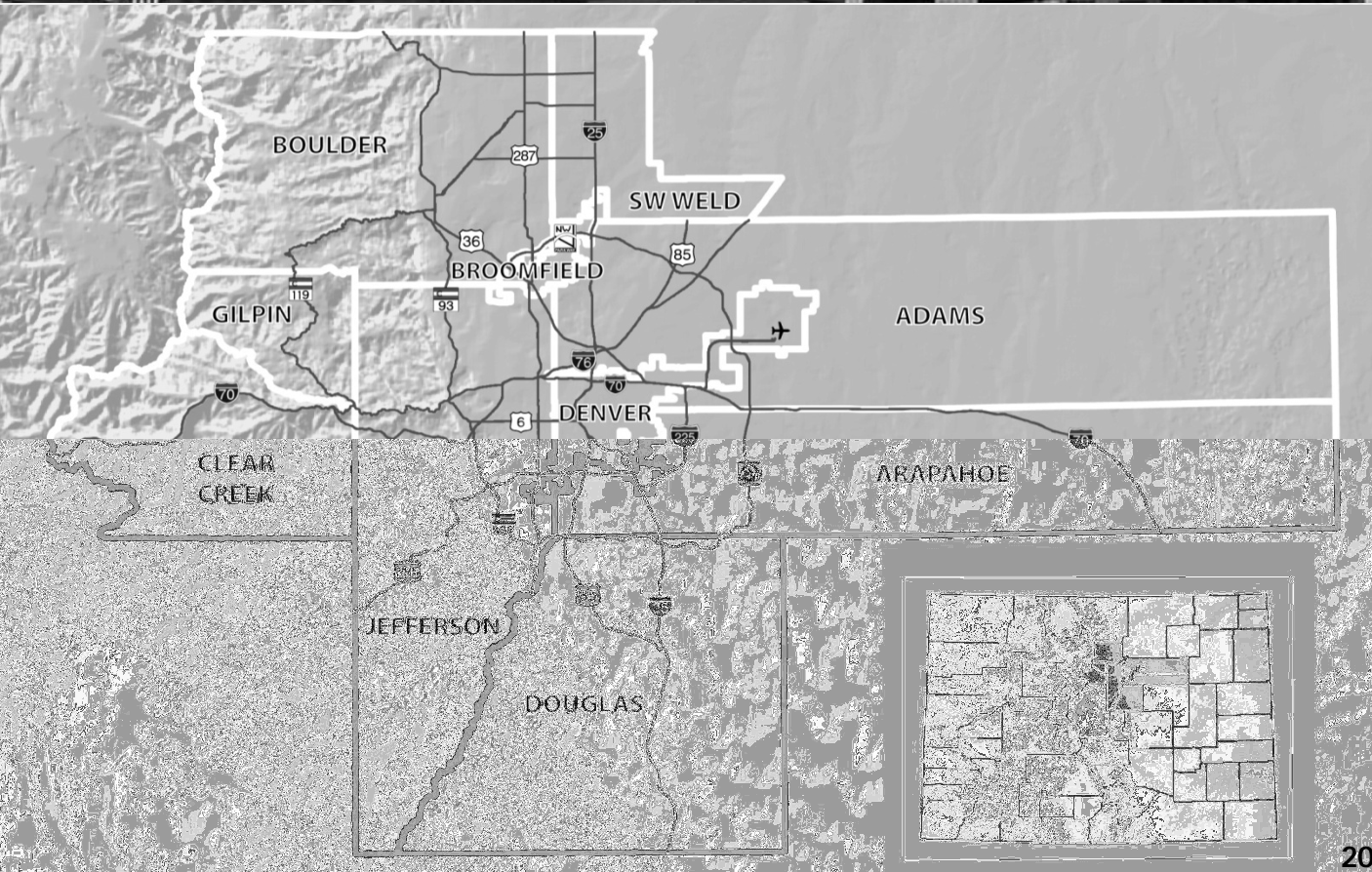
- Natural hazards
- Open space
- Impaired streams
- Demographics
- Wastewater utility service areas
- Watershed boundaries



Impaired Stream
Segments



Implications of Transportation



Information DRCOG Provides

- Encourage smart growth



- Special projects

- Regional land use data acquisition



- Workshops

- TOD
- Storm water
- Water quality short course

- Documents

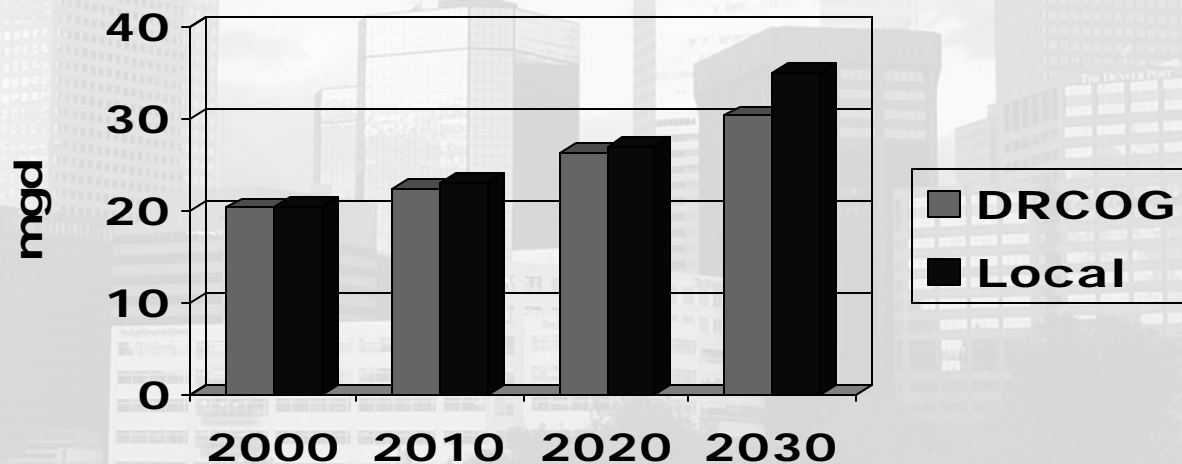
- Clean Water Plan
- Utility Plan Guidance
- Transportation Plan



Consistency of Forecasts


- Connection to Metro Vision
- Linkage to air quality planning (CDPHE)
- Flexible provisions

Wastewater Flow



Water and Environment Planning Committee

- DRCOG communities and special districts
- Prepares materials for Board consideration
 - Testimony at WQCC hearings
 - Amendments to CWP
- Accepts utility plans via UPRT subcommittee



The Board sets policy

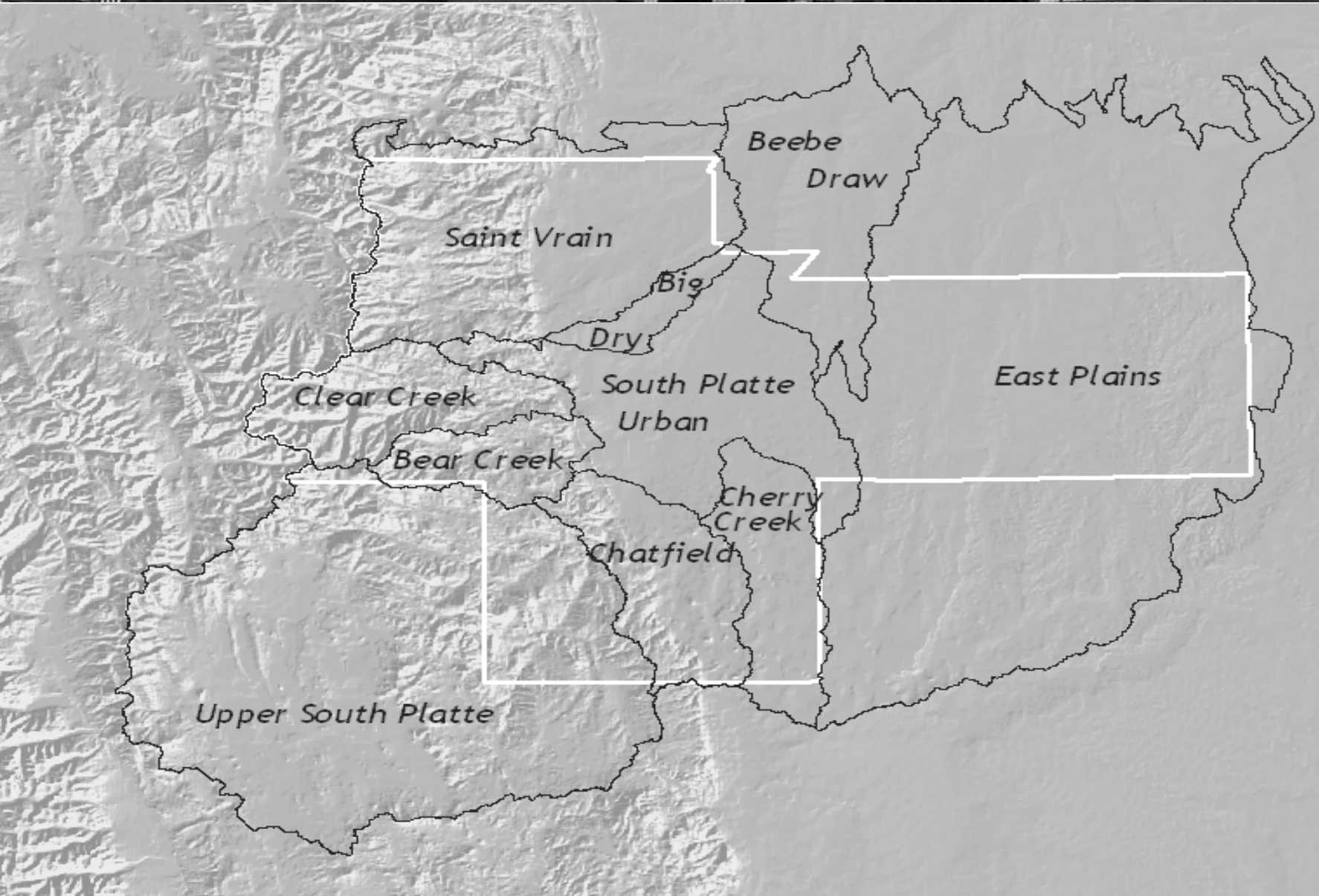


How are DRCOG's plans implemented?

- Prioritization of projects based on:
 - Policy goals (e.g., consistency with Metro Vision)
 - Technical concerns (e.g., safety)
- State-mandated DRCOG review of:
 - Proposed wastewater treatment facilities



Watershed Approach



Water Quality Issues

- Quantity versus quality
- Refinement of standards
- Stormwater regulation
- Funding for planning
- Future role



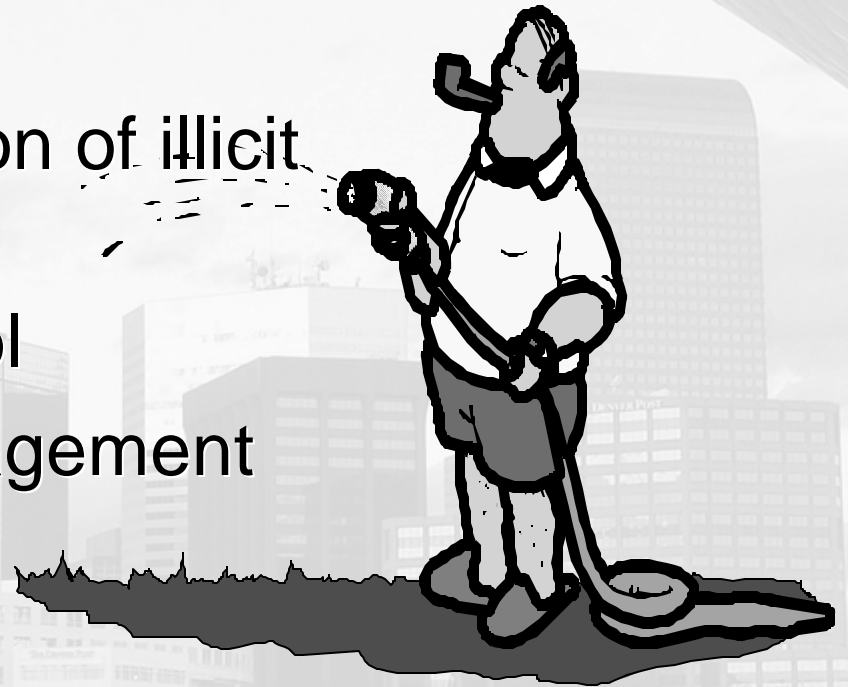
Stormwater Permits

- Municipal Separate Stormwater Sewer Systems (MS4)
 - Phase 1 (over 100,000 population)
 - Phase 2
- Construction over 1 acre



Phase 2 Requirements

- Public education and outreach
- Public involvement
- Detection and elimination of illicit connections
- Construction site control
- Post-construction management
- Municipal operations



Impaired Streams

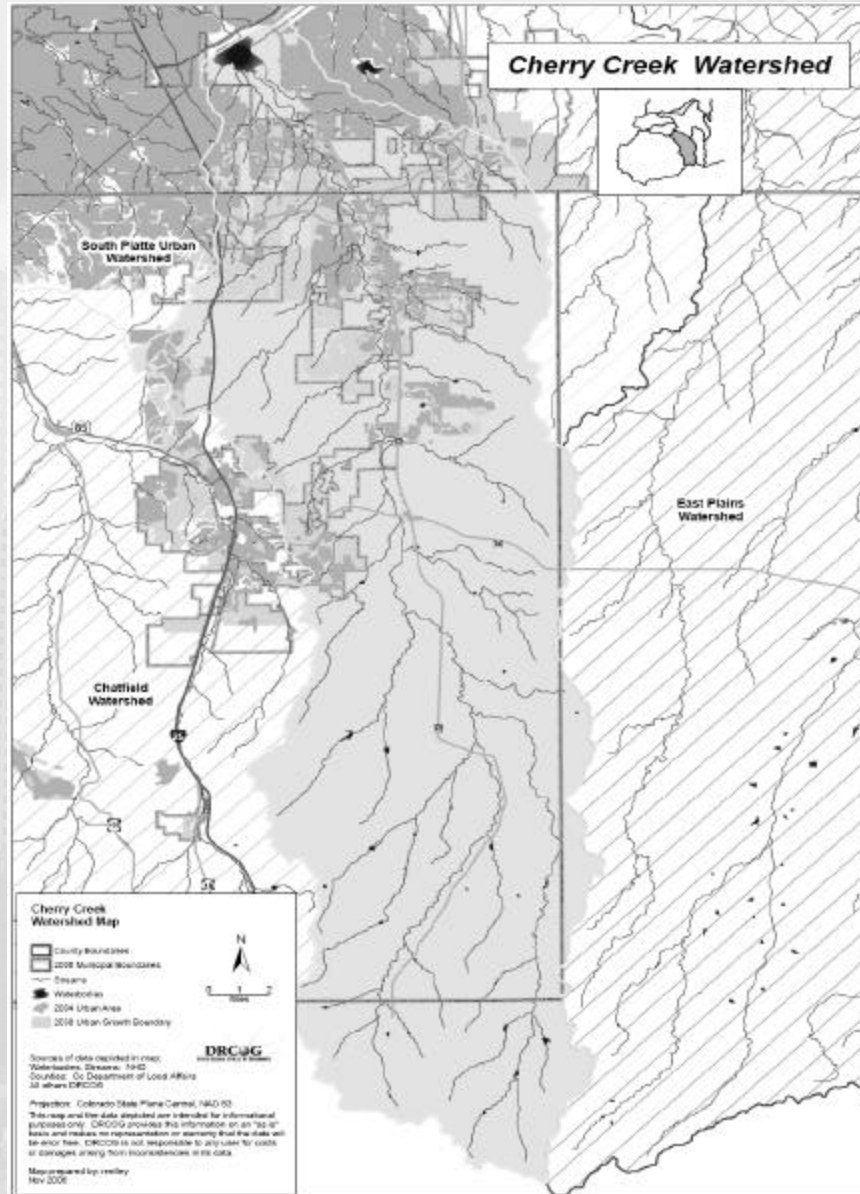
- Monitoring identifies segments with water quality problems
- WQCC publishes list (303d) of impaired streams every other year
- Also lists streams that require more monitoring





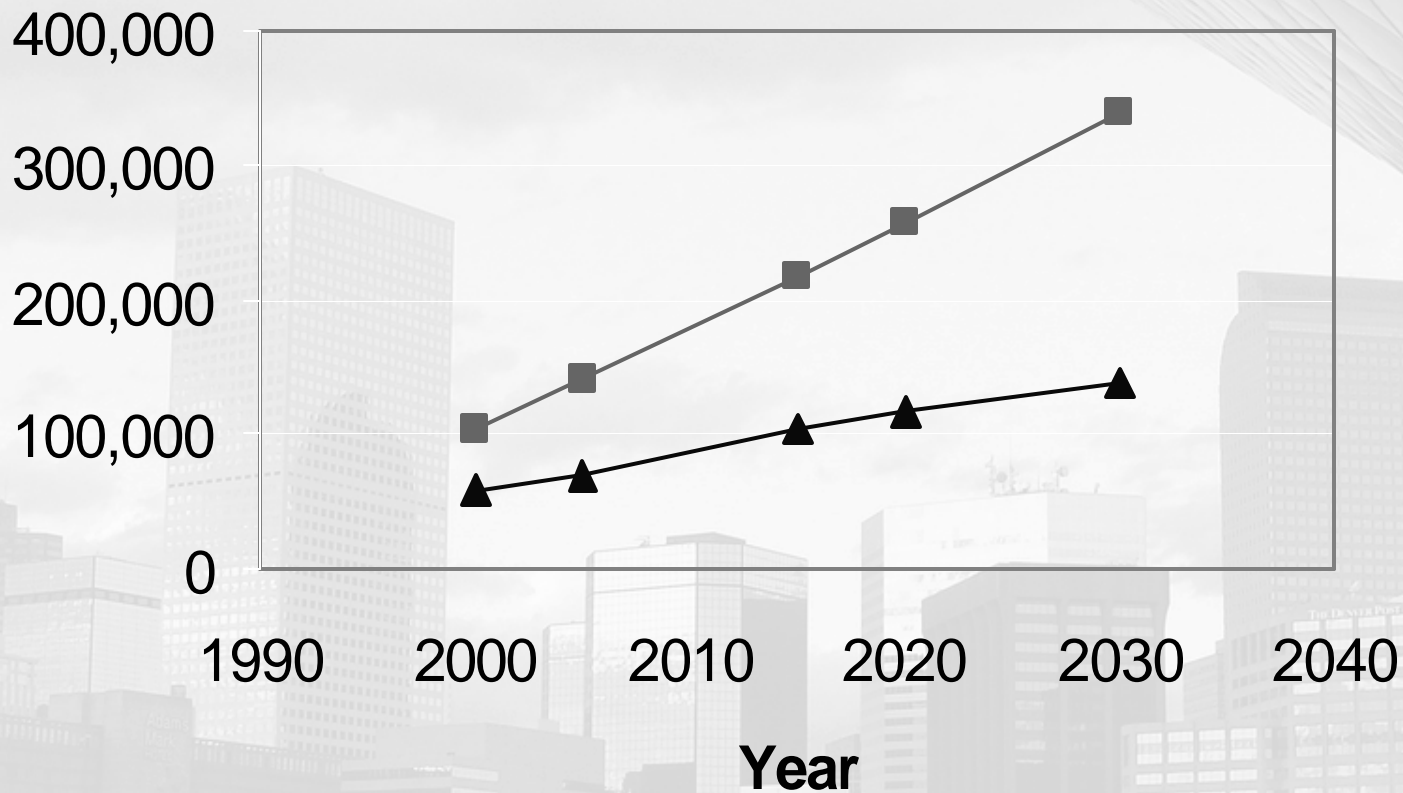
Cherry Creek Watershed

Cherry Creek Development



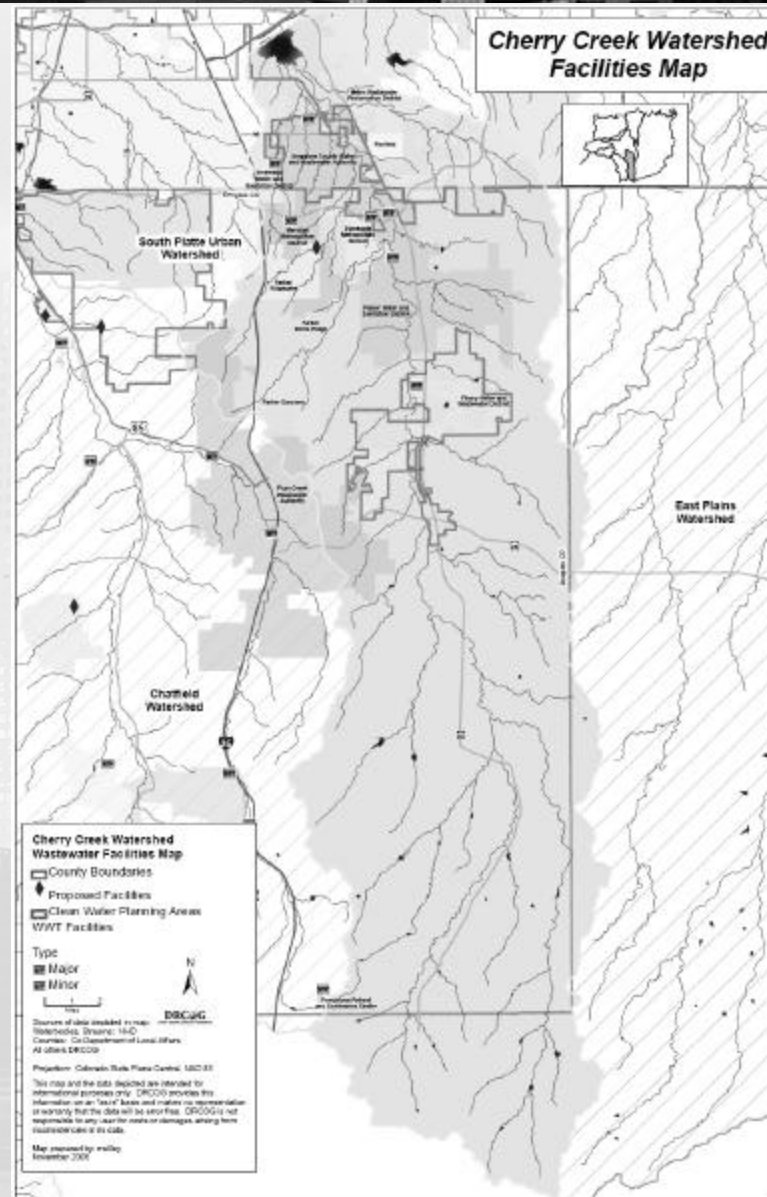
Growth in Watershed

Population/Employment



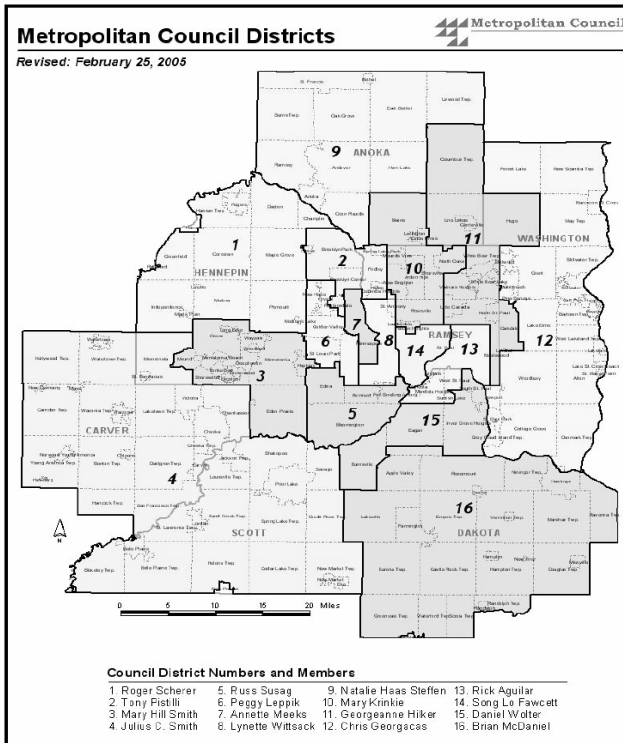
—■— Population —▲— Employment

Cherry Creek WW Facilities



Other Clean Water Plans

Figure 1: Metropolitan Council Members and District



PAG
Pima Association
of Governments



SEMCOG

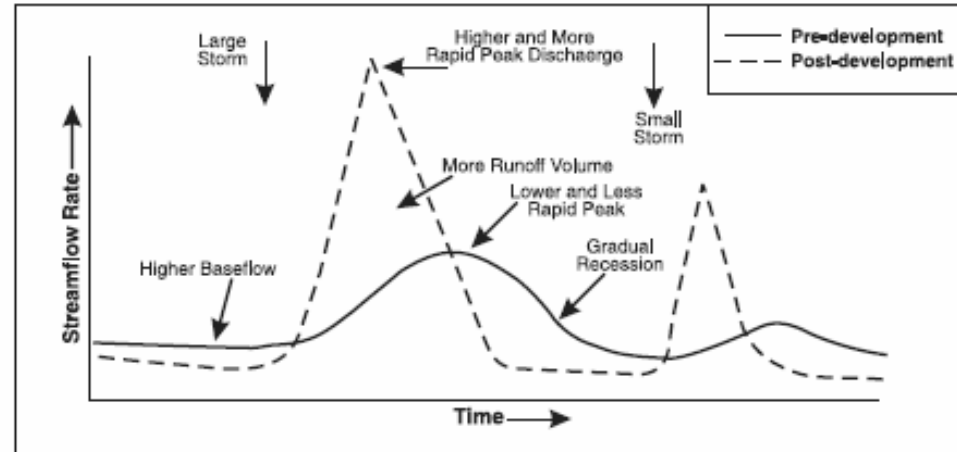


DRCOG Clean Water Plan Update

Plans Reviewed to date:

1. Dane County, WI plan (Madison)
2. Southeast Michigan (SEMCOG)
3. Pima Council of Governments (Tucson, AZ)
4. Minneapolis, MN (Urban Growth Boundary)
5. Portland, OR
6. Puget Sound (Seattle)

Effects of Urbanization on Streamflow

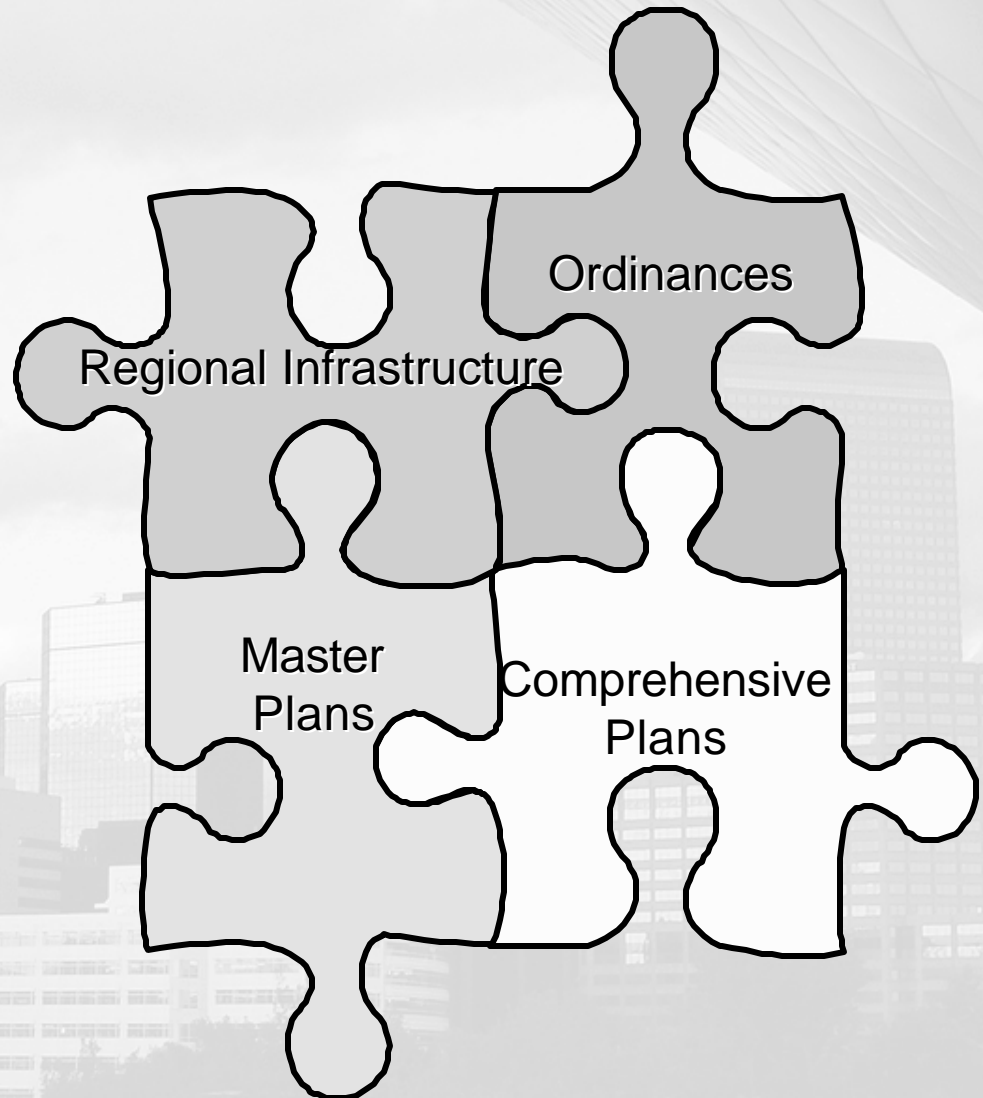


Common Themes

- Most areas experiencing growth and development pressures
- Goal to move from regulatory-type document to a plan that is more policy-oriented
- Move to coordinate clean water plans with regional or local development/land use plans
- Reduced funding for planning activities

What can you do?

- You have a role
 - state
 - regional
 - local
 - site planning



Thank You

Further information

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