



# THE SOUTH PLATTE RIVER URBAN WATER PARTNERSHIP

*Managing Rivers in Changing Climes: Training  
Tomorrow's River Professionals  
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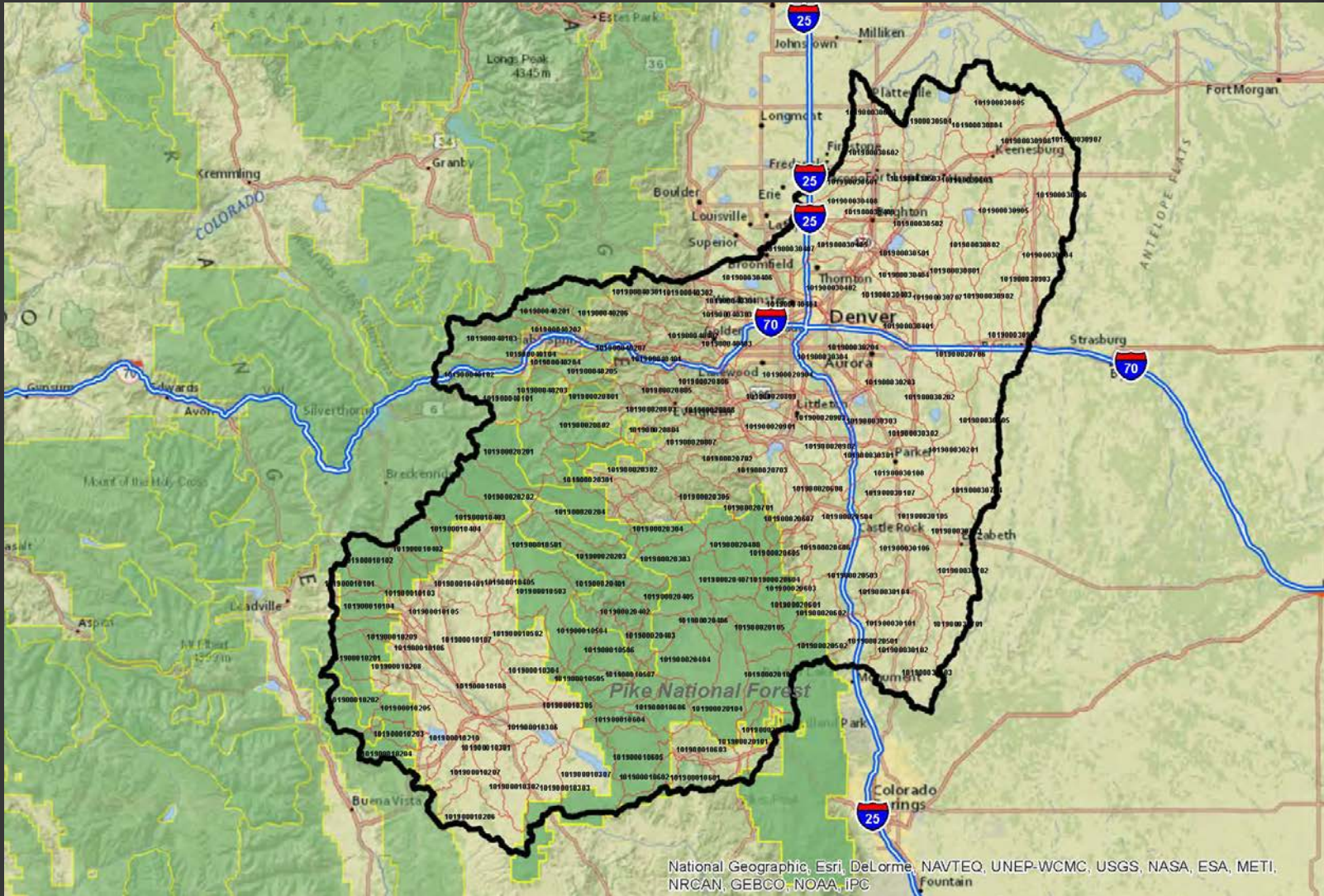
# EPA Voluntary Programs

- Urban Waters Partnership
- Partnership for Sustainable Communities
- Green Infrastructure
- Water Sense
- Brownfields
- Revitalization
- Support for FEMA





# Focus Area-South Platte







# Urban Waters Partnership Federal Agencies



# S. Platte UWP Partners:

- Trust for Public Lands
- The Greenway Foundation
- Groundwork Denver
- Coalition for the Upper S Platte
- National Forest Foundation
- Colorado Watershed Assembly
- Barr-Milton Watershed Association
- Chatfield Area Network for Outreach & Educ.
- Earth Force
- South Platte CURE
- Sand Creek Regional Greenway Partnership
- Westerly Connection
- Institute for Environmental Solutions
- Cherry Creek Stewardship Partners
- City and County of Denver
- City of Aurora
- City of Englewood
- Adams County
- Jefferson County
- Douglas County
- Tri-County Health Dept.
- Jefferson Conservation District
- Urban Drainage & Flood Control District
- Denver Water
- Aurora Water
- CDPHE
- Colorado State Forest Service
- USEPA
- USFS
- NPS RTCA
- ATSDR
- USGS
- USACE
- HUD
- NRCS
- USFWS
- USDOJ





# Why and How

## Why: Environmental and Economic Health of the River

- Restore and protect urban waters.
- Improve access to urban waters.
- Increase awareness of the benefits of urban waters - public health, economic growth and quality of life.
- Promote community revitalization.

## How: Collaboration

- Increase communication and share expertise.
- Look for resource efficiencies of all kinds.
- Facilitate project funding.
- Make the most of our economic tools and incentives.
- Engage and serve the local communities.



# Our Mission

*The South Platte River Urban Waters Partnership collaborates across jurisdictions and disciplines to engage communities, and to protect and restore the South Platte River and Watershed.*



# Our Goals:

- ◎ Collaborate, educate and engage.
  - Raise water awareness.
- ◎ Connect people with water.
- ◎ Protect and restore through leveraging resources
  - Improve water quality
  - Increase water security
- ◎ Communicate achievements and share technical information





# Issues Being Addressed:

- Water Quality
  - E. Coli
  - Nutrients
  - Arsenic
  - Trash
- Storm Water
  - Green Infrastructure
  - Messaging to Change Behaviors
- Source Water Protection
  - Forest Treatment
  - Watershed Protection Projects



# Green Infrastructure

Systems that mimic a natural hydrologic cycle to take stormwater and slow it down, spread it out, and soak it in.



Can be integrated into:

- ✓ Parks, open space, urban forestry
- ✓ Parking lot landscaping requirements
- ✓ Climate adaptation strategies
- ✓ Smart growth/ sustainability/ resilience strategies
- ✓ Flood restoration



# UWP Green Infrastructure Projects

- DHA GI design charette
- Westerly Creek GI design
- ULC GI design for 38<sup>th</sup> & Blake
- S. Platte Brownfields corridor planning
- River North GI design
- Sun Valley and Johnson/Habitat Park GI design
- Dry Gulch GI design



## LEGEND

- 1 RETAINING WALL
- 2 MARSH WETLAND
- 3 ASPHALT PATH
- 4 PICNIC GROVE
- 5 STEPPED RAMP - GARDEN ACCESS
- 6 STEPPING STONE CREEK CROSSING
- 7 STONE CREEK EDGE
- 8 NATIVE GRASS SLOPES
- 9 PLAY LAWN
- 10 DECK OVERLOOK
- 11 PARK LIGHT



# GI Websites and Tools

- Western examples (CO, UT, MT, WY, ND, SD):  
<http://www2.epa.gov/region8/green-infrastructure>
- Barriers analysis in Boulder area:  
<http://www.keepitcleanpartnership.org/>
- UDFCD Volume 3 Criteria Manual  
[http://udfcd.org/downloads/down\\_critmanual\\_volIII.htm](http://udfcd.org/downloads/down_critmanual_volIII.htm)
- EPA National Green Infrastructure webpage  
<http://water.epa.gov/infrastructure/greeninfrastructure/index.cfm>
- New national stormwater calculator  
<http://www.epa.gov/nrmrl/wswrd/wq/models/swc/>
- Green infrastructure tools  
<http://water.epa.gov/infrastructure/greeninfrastructure/>
- Colorado Stormwater Center  
<http://stormwatercenter.colostate.edu>







# EPA Urban Water Funding Sources

- Section 319 nonpoint source grants
- Clean Water State Revolving Loan Fund
- Urban Waters Small Grants
- Green infrastructure technical assistance
- Greening America's Capitals
- Revitalization funding
- Brownfields area-wide planning grants
- Brownfields job-training grants
- Brownfields assessment, revolving loan fund, and cleanup grants

# Other Resources

- ◉ Watershed funding links and databases  
<http://water.epa.gov/aboutow/owow/funding.cfm>
- ◉ Private Foundations

## Places to Learn

- ❖ River Network-UW Learning Network
- ❖ Groundwork USA
- ❖ CO Watershed Assembly
- ❖ Local watershed groups





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*Thank You!*

