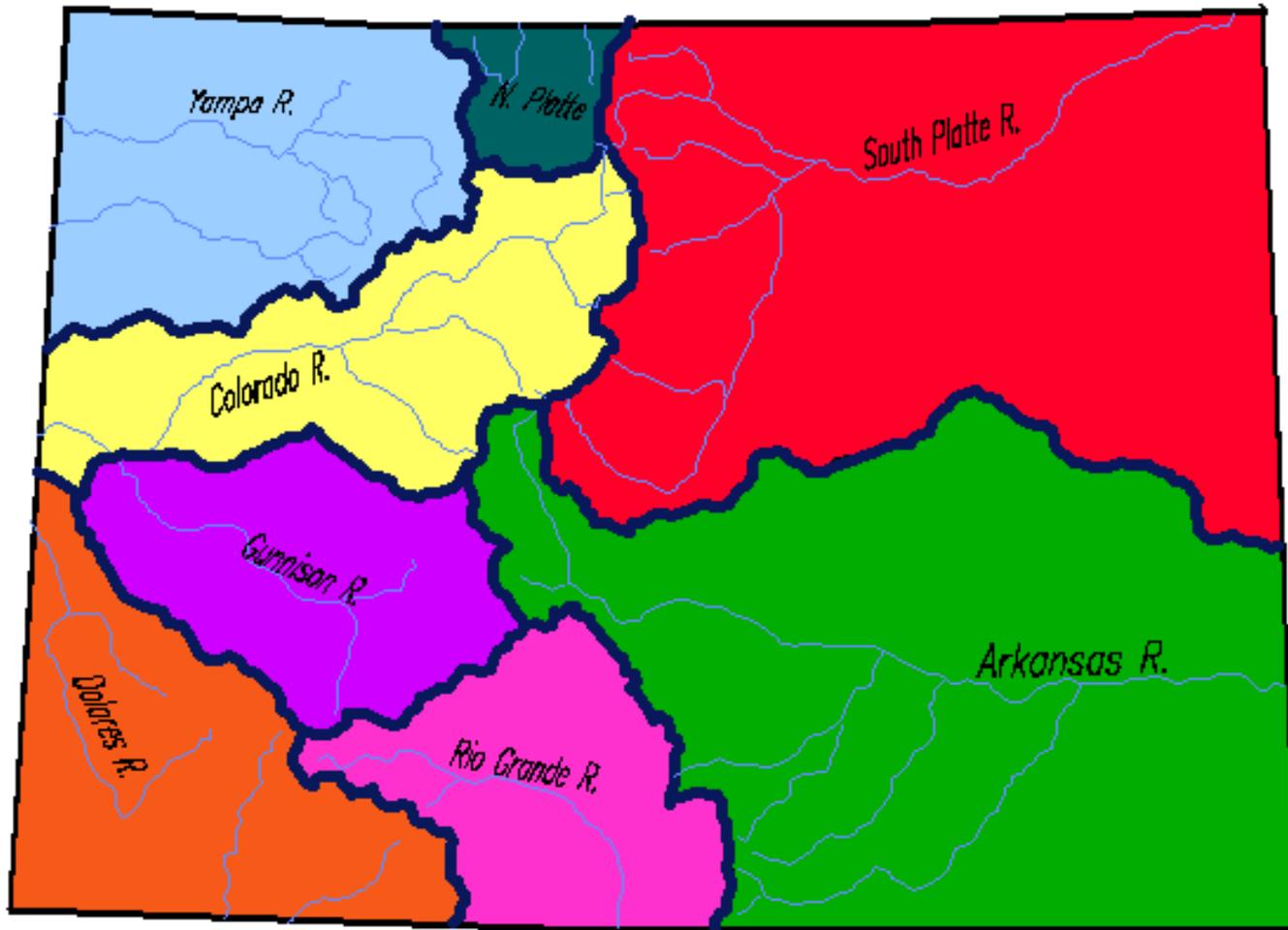


# South Platte River Urban Waters Partnership The Water Connection

Housing and Urban Development  
April 29, 2015

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Colorado State Forest Service  
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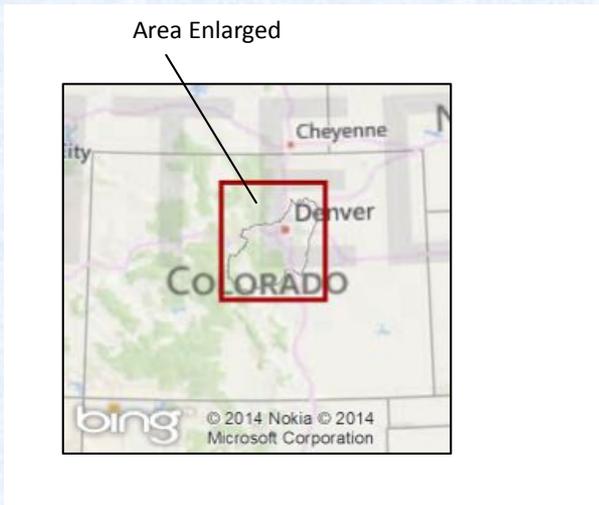
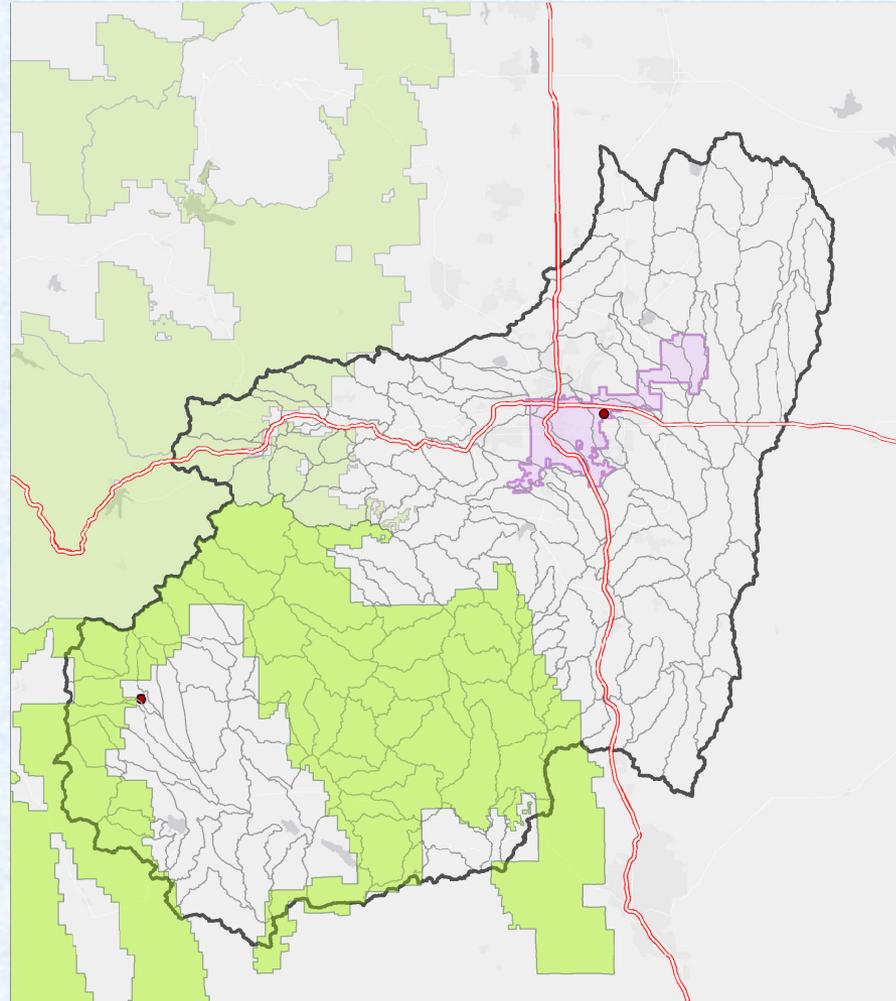
# Colorado Watersheds



# South Platte River Urban Waters Partnership Area

Over 6600 square miles

- Forested headwaters
- Suburban
- Urban
- Plains



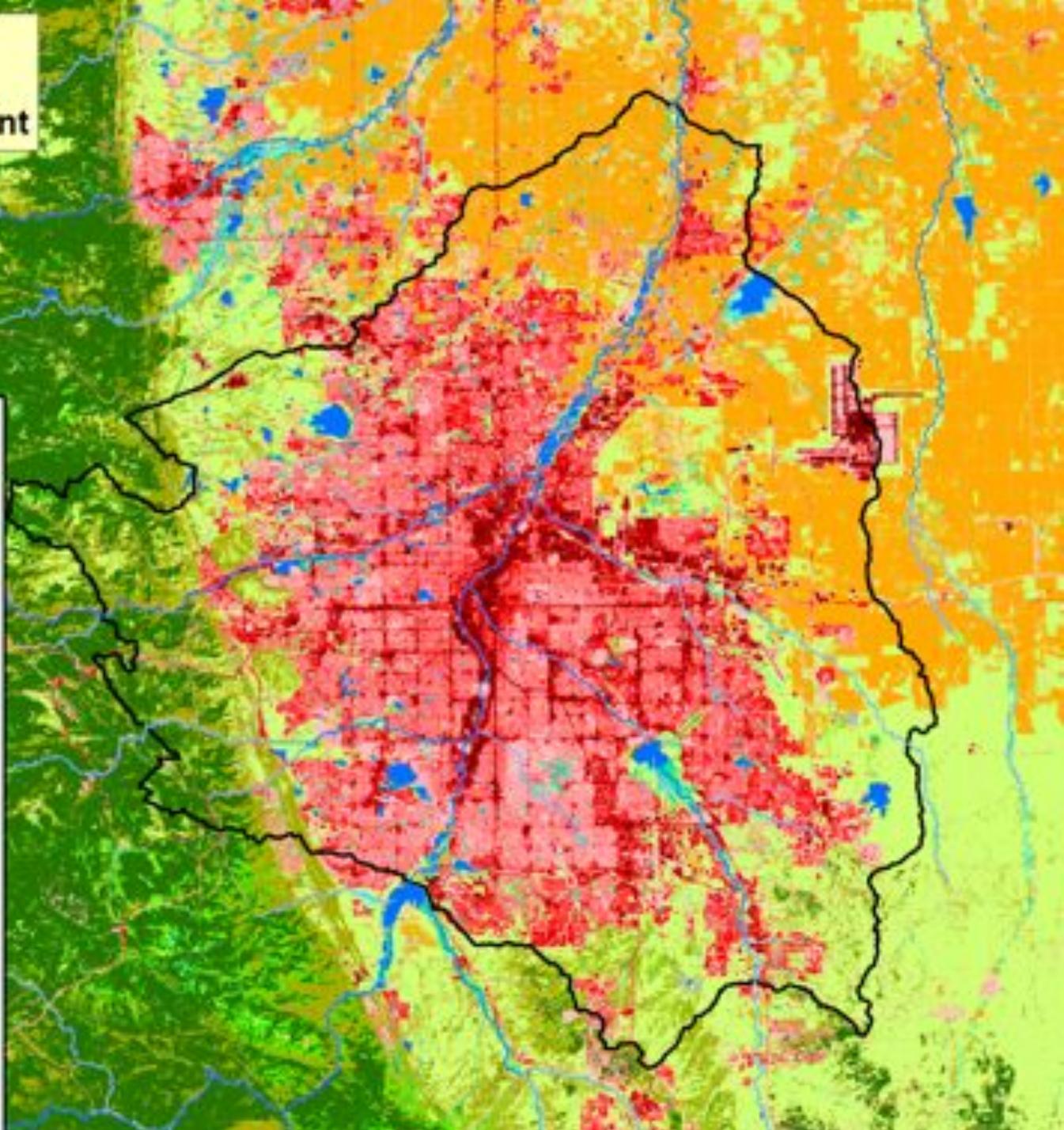


# Denver Metro Area Urban Waters Water Quality Assessment

Landcover  
NLCD 2011

## Legend

- Open Water
- Perennial Ice/Snow
- Developed, Open Space
- Developed, Low Intensity
- Developed, Medium Intensity
- Developed, High Intensity
- Barren Land (Rock/Sand/Clay)
- Deciduous Forest
- Evergreen Forest
- Mixed Forest
- Shrub/Scrub
- Grassland/Herbaceous
- Pasture/Hay
- Cultivated Crops
- Woody Wetlands
- Emergent Herbaceous Wetlands
- Undetermined



# Water Quality Workgroup

- Coalition for the Upper South Platte
- Groundwork Denver
- Denver Environmental Health
- US Geologic Survey
- Littleton/Englewood Wastewater Treatment Plant
- US Environmental Protection Agency
- Metro Wastewater Reclamation District
- Colorado Department of Public Health & Environment
- US Forest Service
- River Watch
- Colorado Watershed Assembly
- Jefferson Conservation District



# Water Quality Assessment Goal

To establish a web-enabled tool that can be used to map and/or chart water quality data for the urban South Platte River basin

While raw data are often publically available, (through the Colorado Data Sharing Network, River Watch, etc) an overall assessment of the data for the South Platte River urban area has never been done.



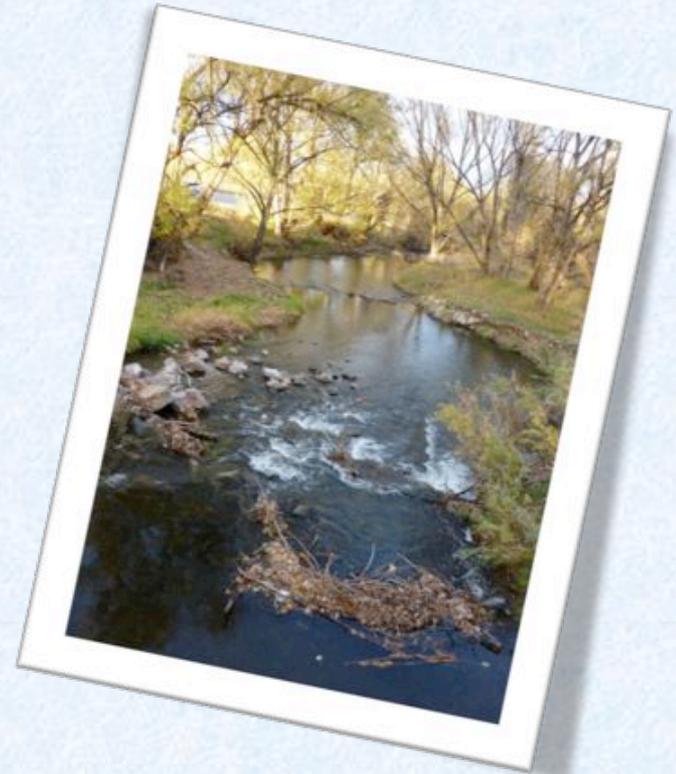
# Water Quality Assessment Data

- 2009-2014 data
- ~12 partners so far and more to be added
- Hundreds of sites, hundreds of analytes, and thousands of samples
- Bacteria, metals, nutrients, pesticides, PPCPs, VOCs, other trace organics



# Prototype

- Trial design
- HUC12 & sampling sites
- Information accessible to multiple audiences – drill down for more detail
- Color coded by HUC 12 for quick reference
- Reflect State Standards by contaminant



# Green Infrastructure



# Natural Capital

## Assessment of Ecological Infrastructure



## Ecosystem Services



The Water  
Connection

# Who? Urban Waters Partnership +

## Why?

- Share responsibility for action.
- New voices.
- Grow the pie.
- Maximize visibility and access.
- Presentation / Image.
- Hedge against uncertainty.





A word cloud featuring various terms related to water, economics, and entrepreneurship. The most prominent words are 'Water' and 'Economics', both in large, dark brown, bold fonts. Other significant words include 'Local Water' (written vertically), 'Entrepreneur', 'Multi-sector', 'Advancement', 'Urban', 'Demonstration', 'Cutting-edge', 'Projects', 'Think-tank', 'Partner', 'Mentoring', 'industries', 'Visibility', 'Chamber-Commerce', 'Problem-solving', 'Technological', 'Business', 'Innovation', 'Awareness', 'NREL', 'Start-up', 'Organizations', 'Internships', 'Data-driven', 'Forum', 'Change', 'Environmental', 'companies', 'Dialog', 'Small-business', 'tracking', and 'Summits'. The words are arranged in a dense, overlapping cluster, with colors ranging from dark brown to a lighter tan.

Change Forum  
Data-driven  
Internships  
Organizations  
Start-up  
Small-business  
tracking  
Summits  
Innovation  
Awareness  
NREL  
Water  
Local Water  
Economics  
Entrepreneur  
Multi-sector  
Advancement  
Urban  
Demonstration  
Cutting-edge  
Projects  
Think-tank  
Partner  
Mentoring  
industries  
Visibility  
Chamber-Commerce  
Problem-solving  
Technological  
Business  
Environmental  
companies  
Dialog

Engage with the National Western Center Partners to implement projects that are directly in line with UWP goals and priorities.



Illustrative Master Plan

## Key Site Elements

- 1 Water Resources Center and South Platte Riverfront
- 2 Stockyards/Event Pavilion
- 3 CSU Equine Sports Medicine Clinic
- 4 Equestrian Center
- 5 Livestock Center
- 6 NWC Transit Station
- 7 Shared Use/TOD Parking Structure
- 8 Livestock Exchange Building/Flex Space
- 9 Trade Show/Exhibition Hall
- 10 New Arena
- 11 CSU Center
- 12 Colorado Commons
- 13 Stadium Arena Market
- 14 Coliseum Redevelopment
- 15 Forney Transportation Museum