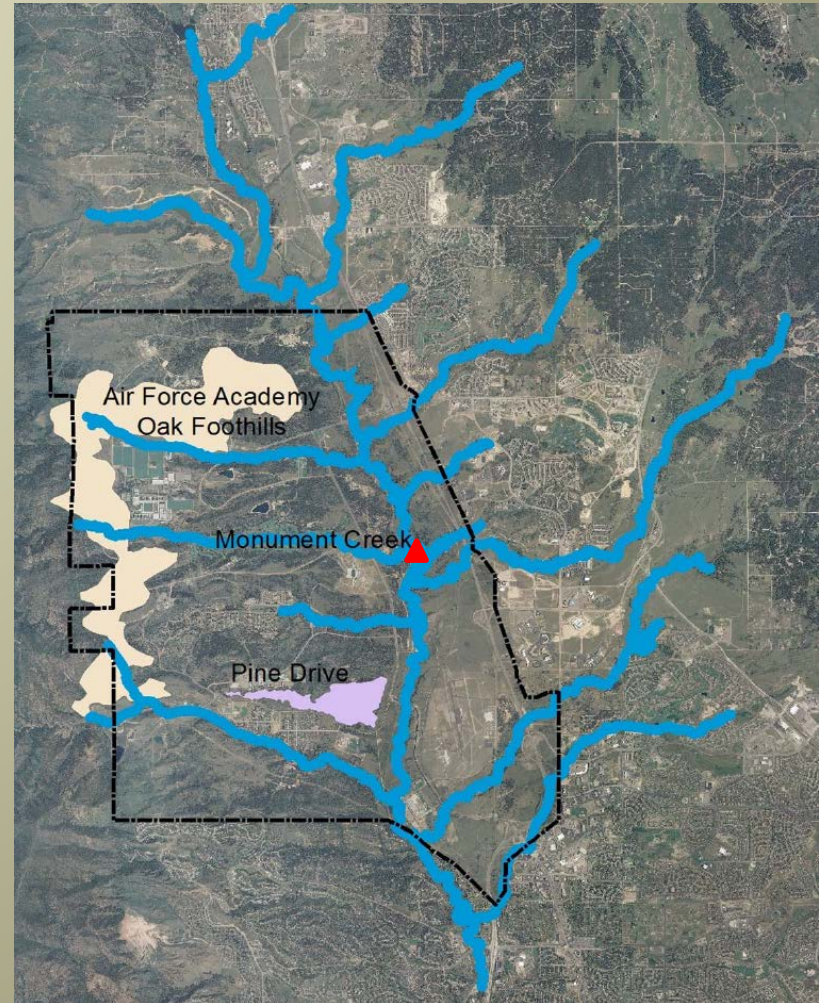
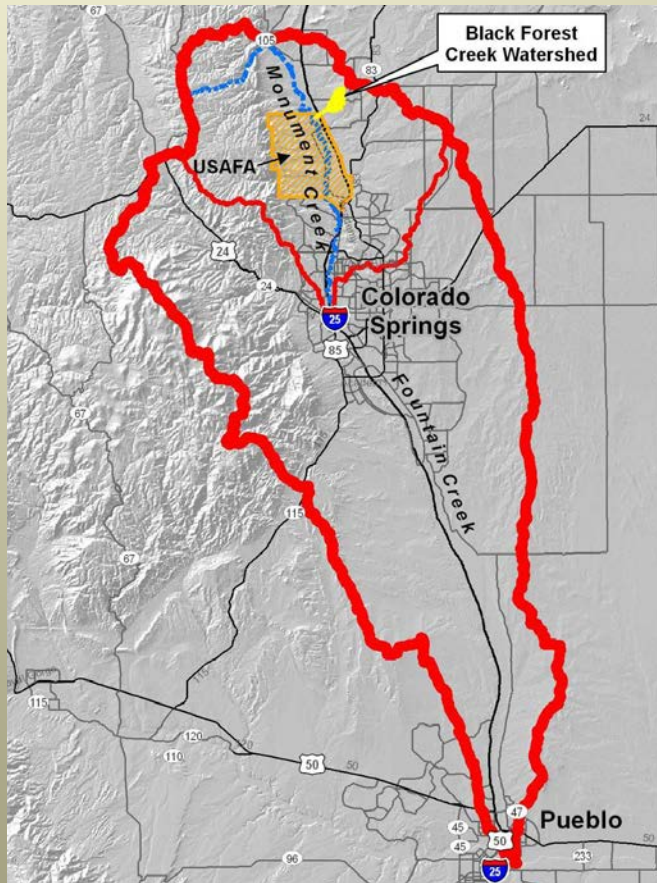


# Stream Stabilization/Habitat Restoration/Preble's Conservation





## Monument Branch





2007

Upper Monument Branch



2013





Middle Tributary – September 2013





Monument Branch – September 2013

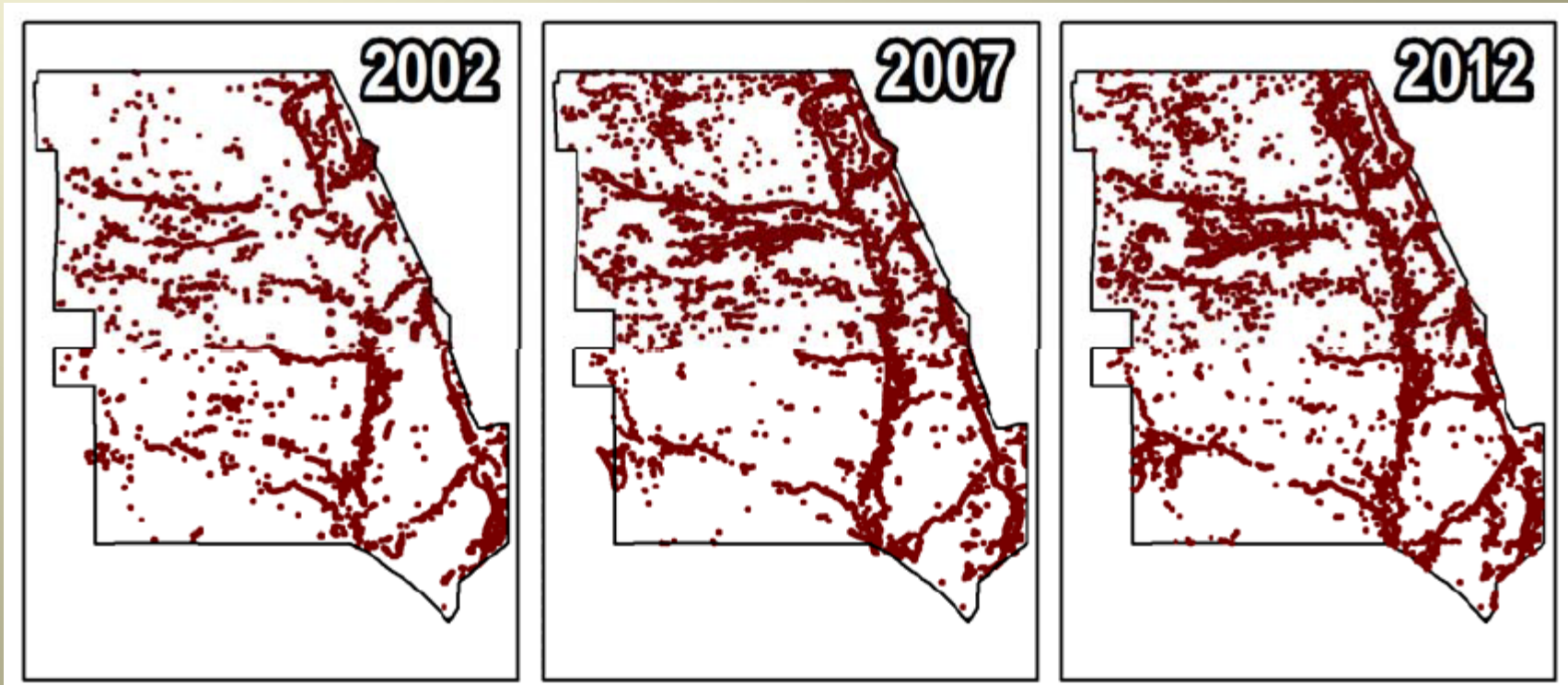


# Future Needs

- Stormwater advocacy
- Improved stream stabilization designs
- Improved revegetation procedures
- Habitat and Preble's monitoring
  - Occupancy
  - Corridor Movement
  - Population trend
- Revise Conservation Plan?
- Revise Critical Habitat?



# Noxious Weed Early Detection and Rapid Response



Pre-2002 – 11 species

2002 – 14 species (Scotch thistle, St. Johnswort, Tamarisk)

2007 – 17 species (Russian knapweed, myrtle spurge, knapweed hybrids)

2012 – 22 species (Houndstongue, Dames rocket, Dalmation toadflax, Bouncingbet)



# Management Priority

2002

Yellow Toadflax\*  
Canada Thistle\*  
Diffuse Knapweed  
Russian Olive  
Fuller's Teasel  
Musk Thistle  
Bull Thistle  
Spotted Knapweed  
Whitetop  
Leafy Spurge  
Scotch Thistle  
St. Johnswort  
Tamarisk  
Field Bindweed



2007

Russian Knapweed  
Knapweed Hybrid  
Myrtle Spurge



2012

Houndstongue  
Dames Rocket  
Dalmation Toadflax  
Bouncingbet  
  
Siberian Peashrub  
Yellow Spring Bedstraw  
Tatarian Honeysuckle

Red – Eradicate

Blue – Suppress 50%

Green – Suppress 90%

\* - High Priority Areas Only

# Future Needs

- 5-year surveys
- Photo and plot monitoring
  - PCA's, rare plants sites, prescribed burns
- Update Integrated Noxious Weed Management Plan
- New biological controls – whitetop, yellow toadflax

# Rare Species Inventory and Monitoring

- Response to prescribed burning, other mgmt
  - Rocky Mountain blazing star
  - Plains ironweed
  - Porter's feathergrass
- Invertebrates
  - Denver Museum of Nature and Science
  - Hops Azure
- Breeding bird surveys – RMBO?
- Herpetofaunal surveys



# Public Education/Information

- Natural Resources website
- Synthesis of CNHP/USAFA projects
  - Preble's monitoring
  - Noxious weed survey and monitoring
  - Biological inventory
  - Landscape Assessment
- Interpretive display – Visitor Center
- Ethnobotany