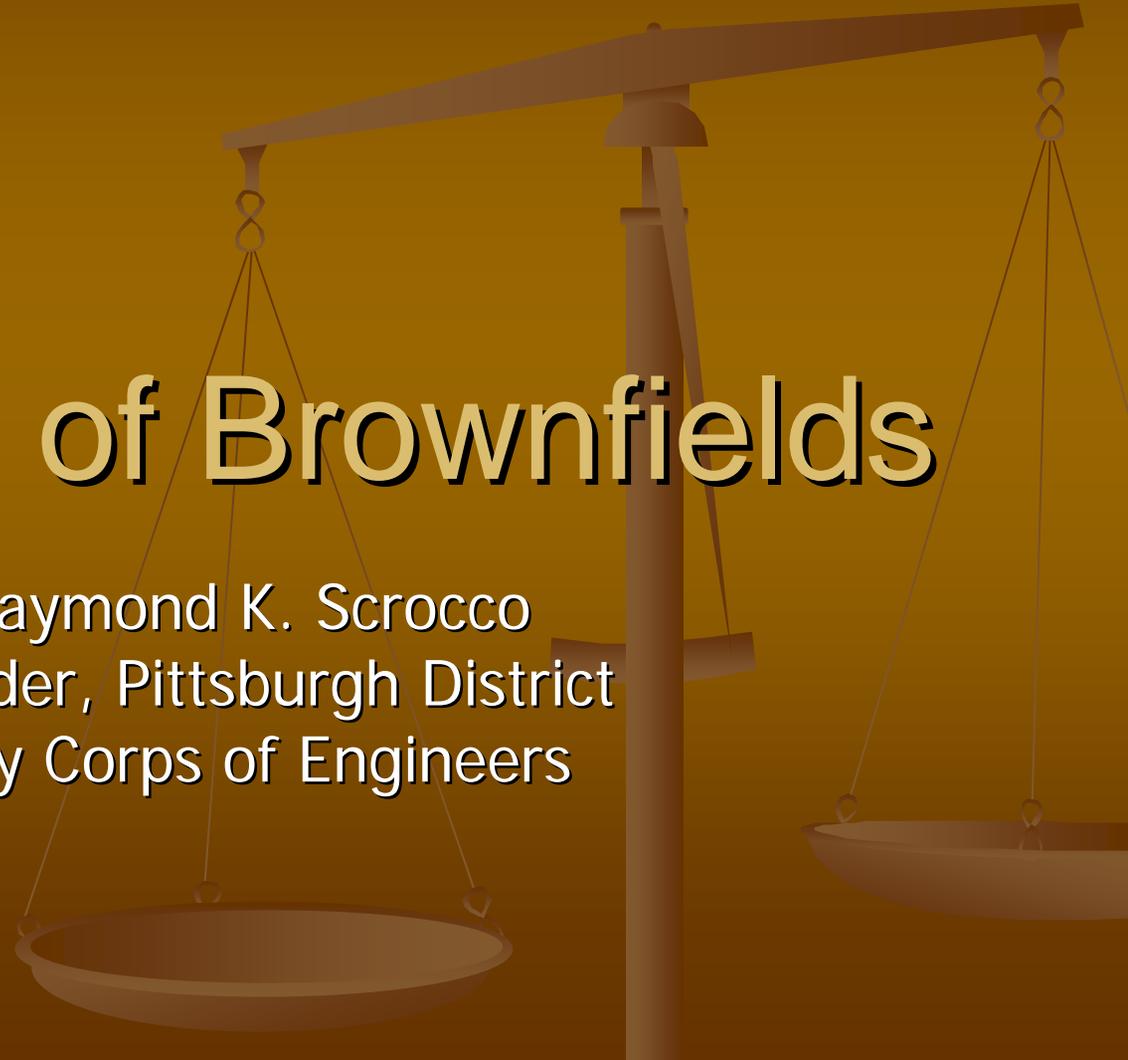




**US Army Corps  
of Engineers**  
Pittsburgh District

# Business of Brownfields

COL Raymond K. Scrocco  
Commander, Pittsburgh District  
US Army Corps of Engineers



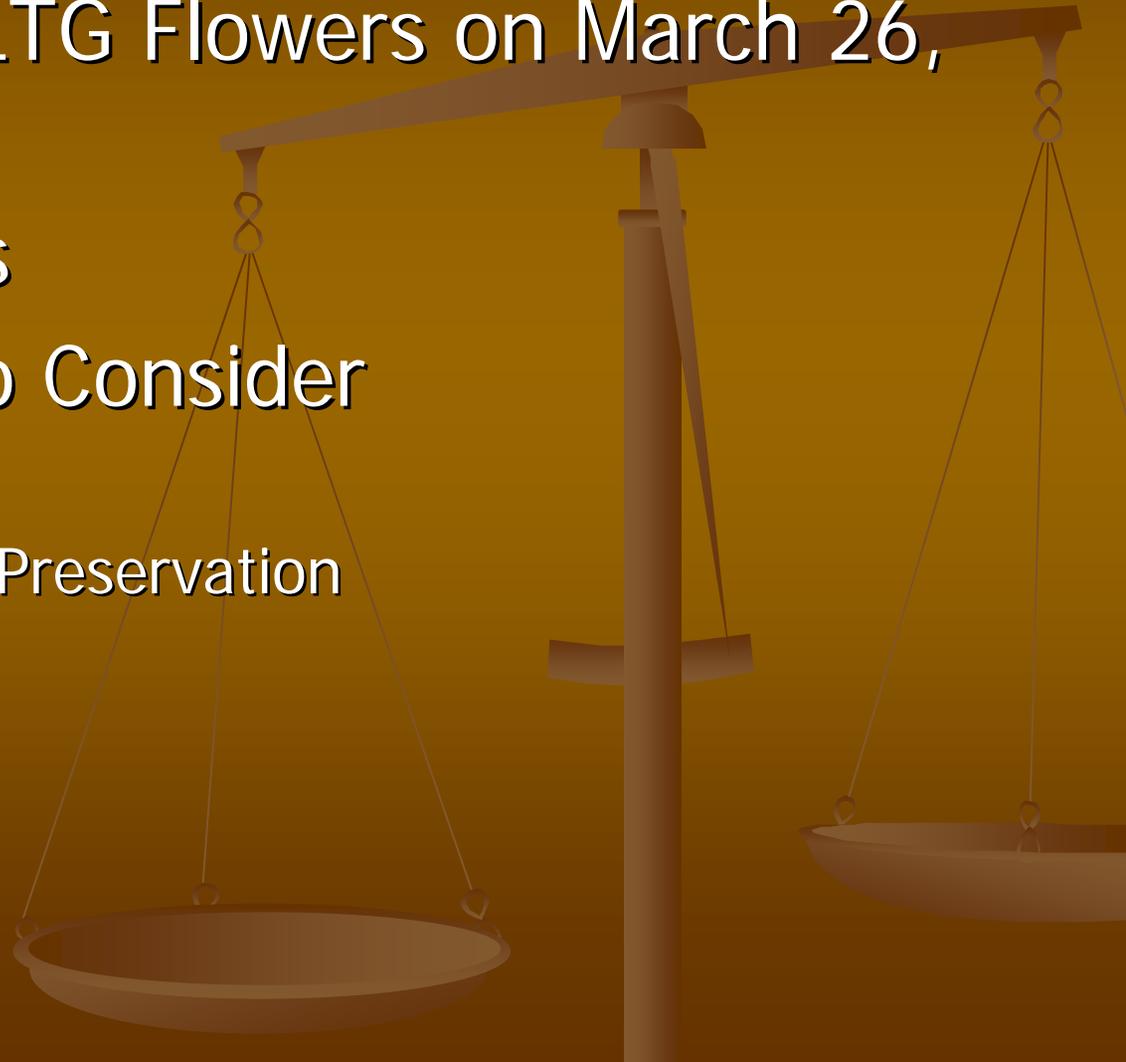
# Brownfield Partnerships



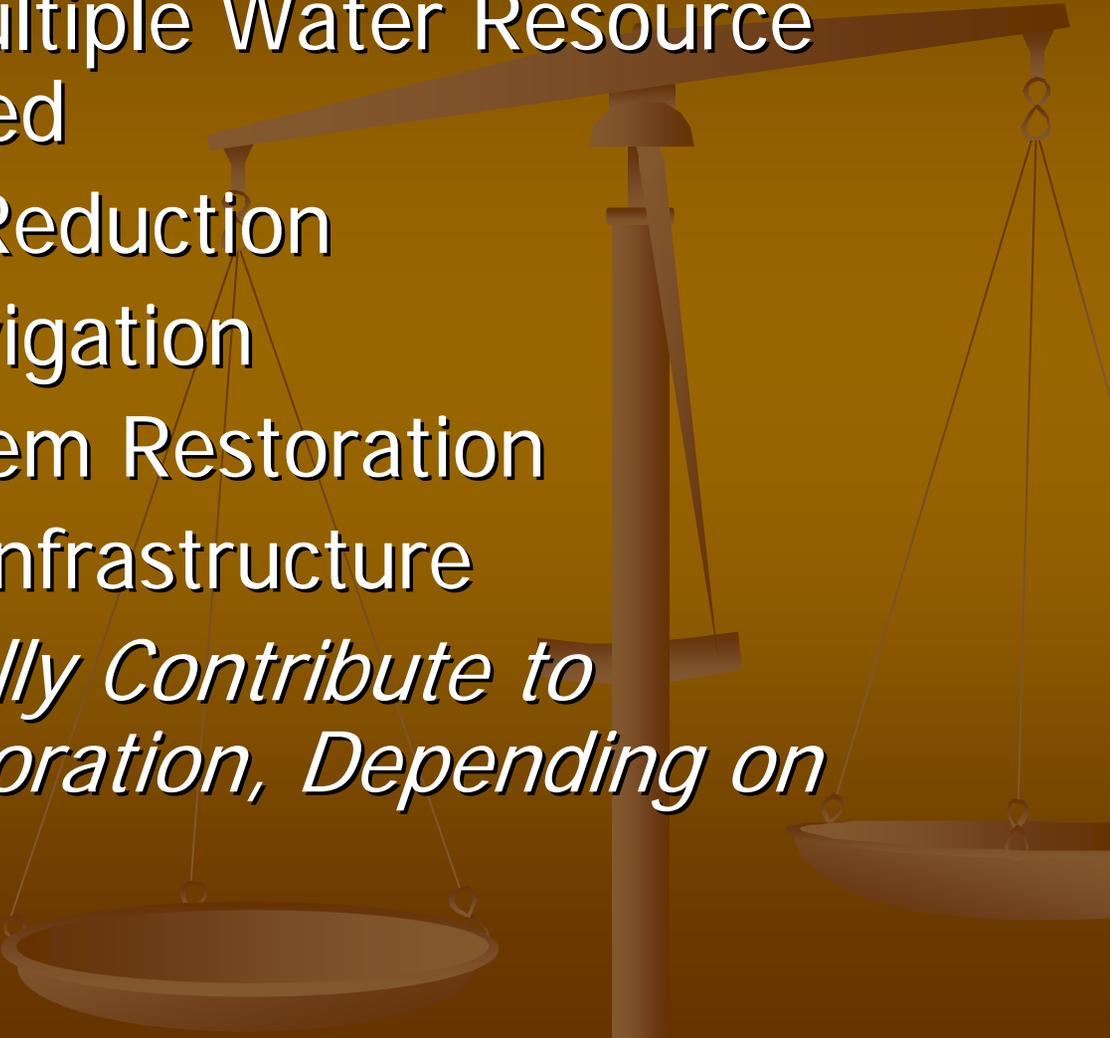
- Urban River Restoration Pilot Projects
- New Interagency Portfields Initiative
- Superfund Sites
- Formerly Used Defense Sites
- *Collaborative Partnerships Spur Creative Solutions*

# Environmental Operating Principles

- Announced by LTG Flowers on March 26, 2002
- Seven Principles
- Corps Actions to Consider
  - Conservation
  - Environmental Preservation
  - Restoration

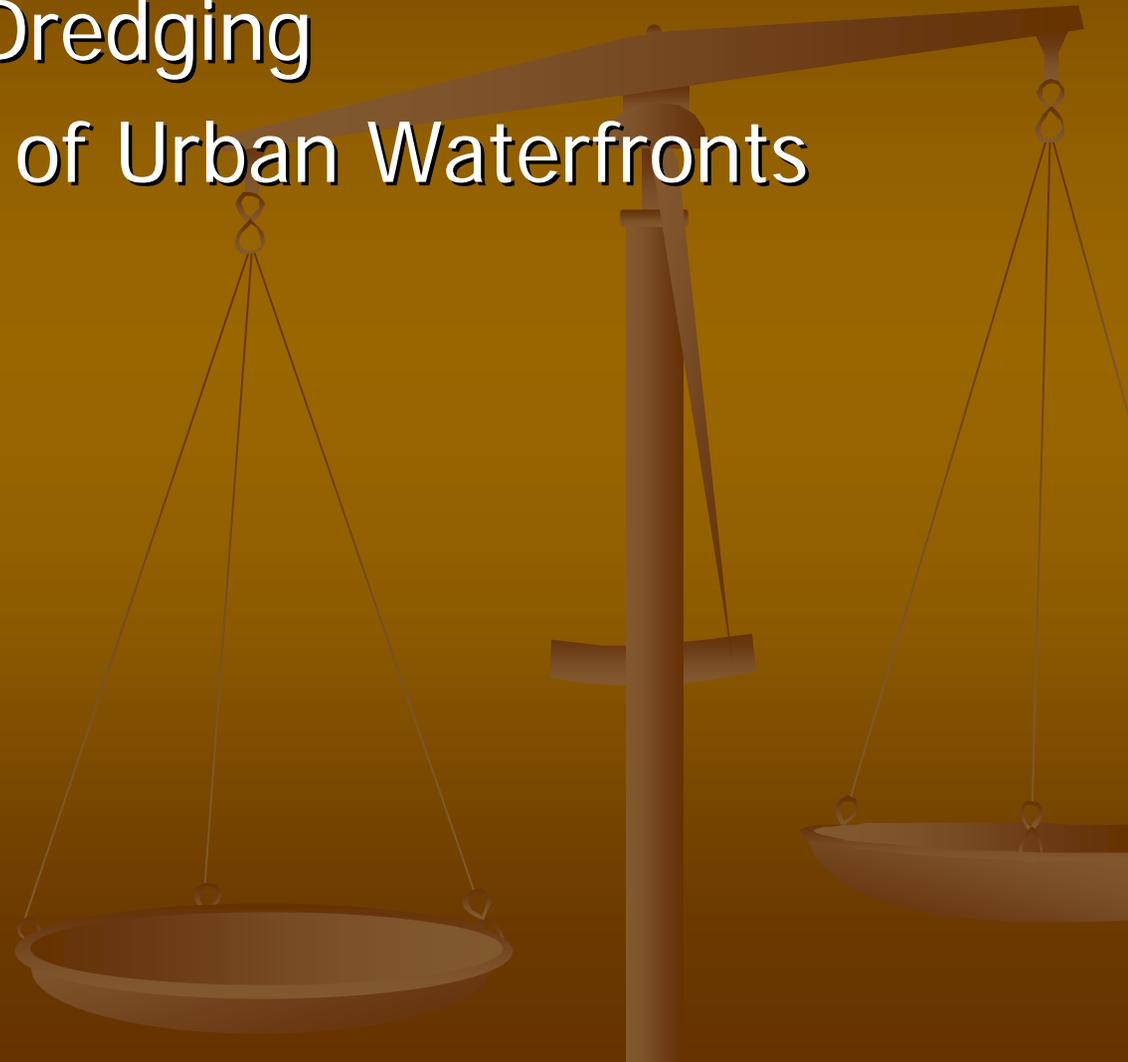


# Watershed Perspective

- Public Wants Multiple Water Resource Needs Considered
  - Flood Damage Reduction
  - Commercial Navigation
  - Aquatic Ecosystem Restoration
  - Environmental Infrastructure
  - *All Can Potentially Contribute to Brownfield Restoration, Depending on Location...*
- 

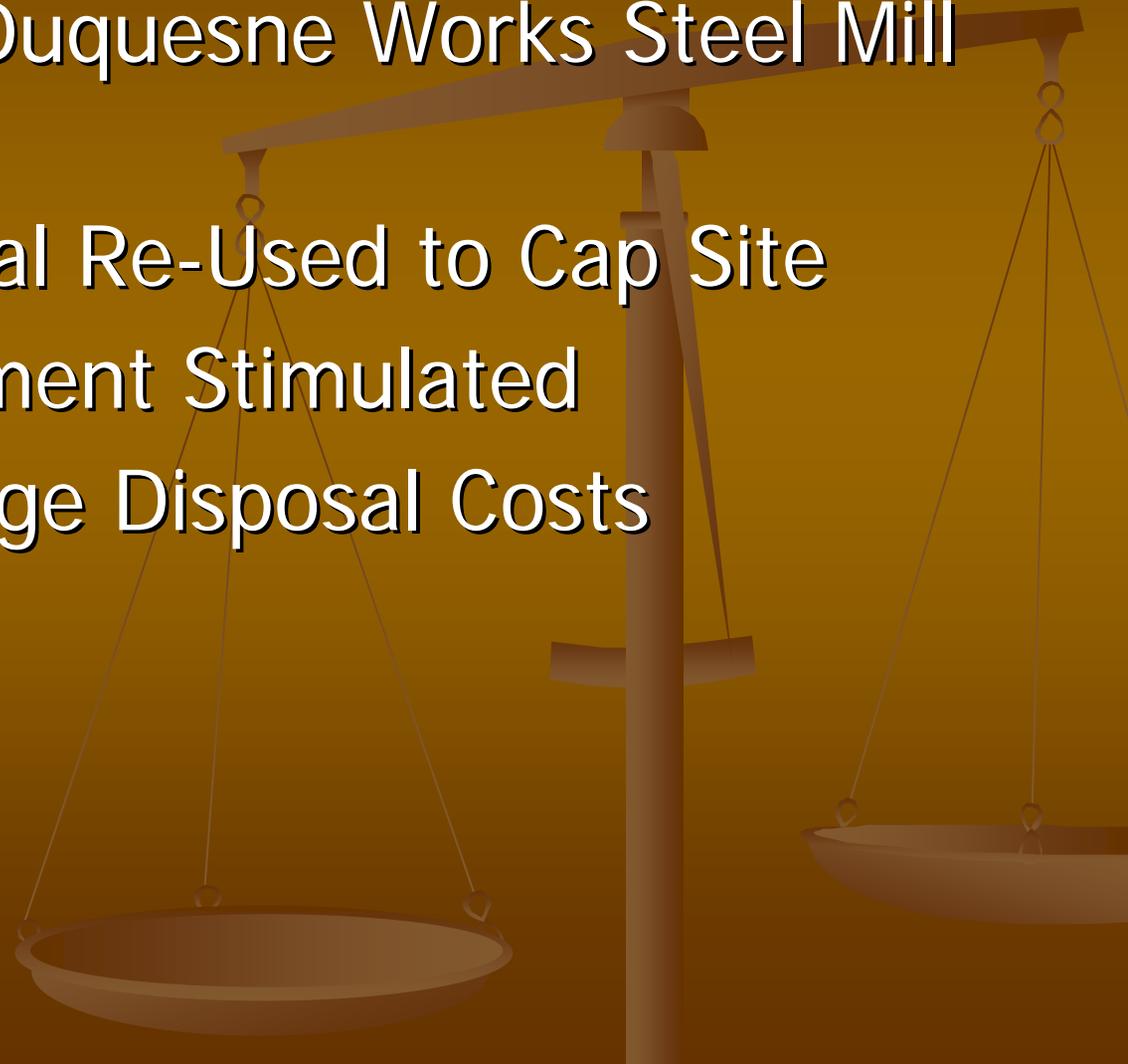
# Regional Programs and Projects

- Environmental Dredging
- Redevelopment of Urban Waterfronts



# RIDC/Duquesne

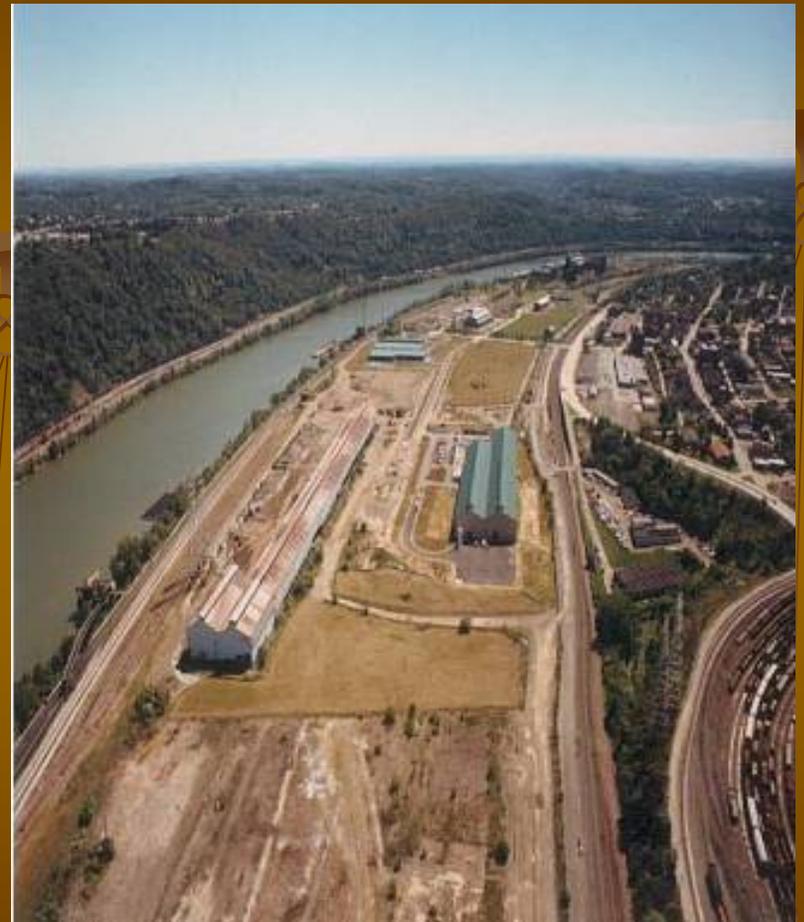
- Restoration of Duquesne Works Steel Mill Site
- Dredged Material Re-Used to Cap Site
- Site Redevelopment Stimulated
- Savings in Dredge Disposal Costs



# RIDC Brownfield Restoration



June 1989

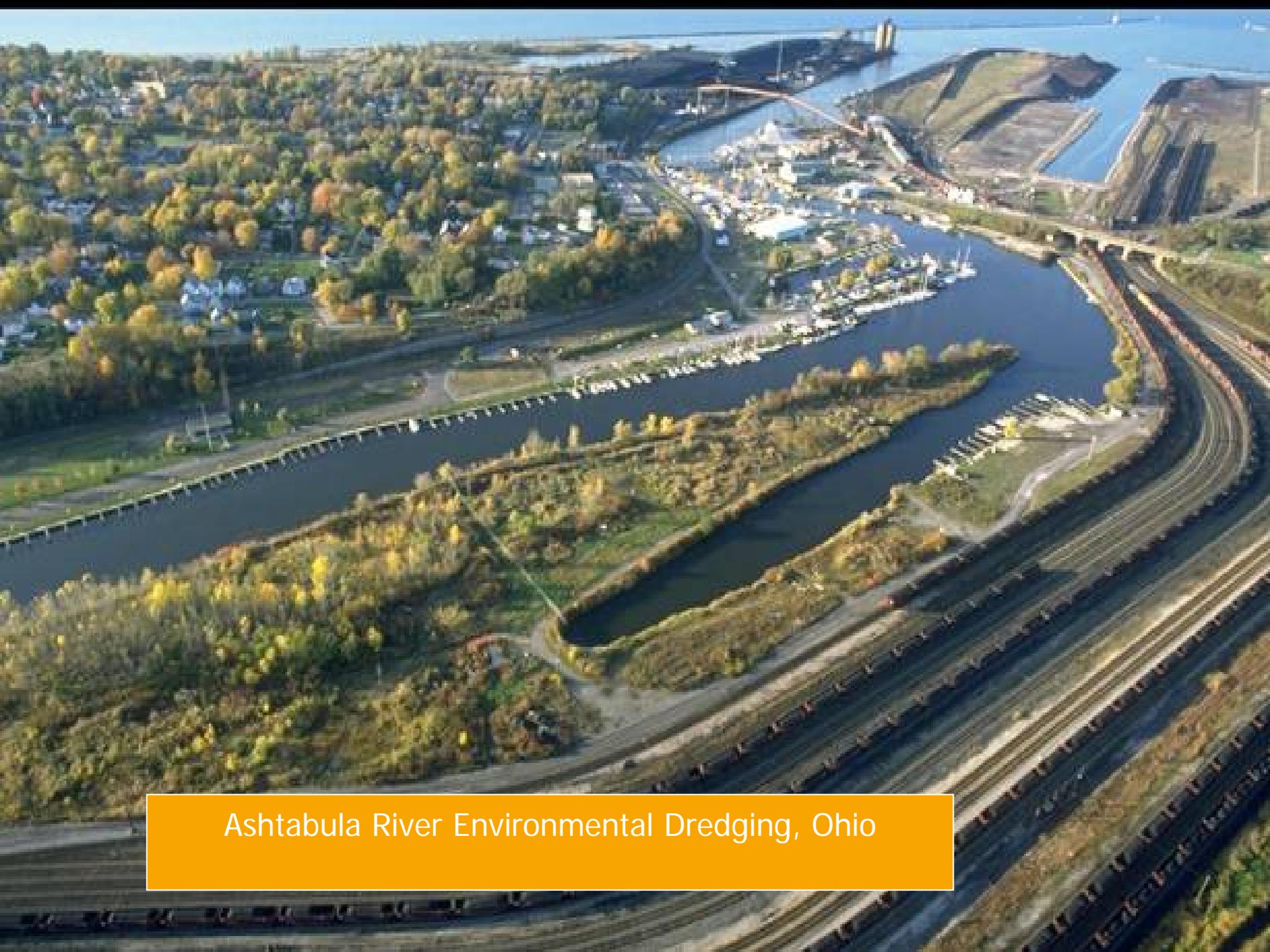


June 2000

# Ashtabula River Restoration

- Environmental Dredging Authorized, Section 312 of WRDA 1990
- 50+ Partnership Members
- Comprehensive Management Plan
- Remediate Toxic Sites
- Investigate Resumption of O&M Dredging





Ashtabula River Environmental Dredging, Ohio

# Mahoning River/Copperweld Site

- Environmental Dredging
- Multiple State and Regional Partners
- Possible Re-Use of Material to Cap Copperweld Site





Copperweld Site, Mahoning River, Ohio

# Nine Mile Run, Frick Park, Pittsburgh

- Section 206 Aquatic Ecosystem Project
- Multiple Stakeholders
- Supports Economic Redevelopment While Enhancing the Environment





Nine Mile Run, Frick Park, Pittsburgh, PA

# Concluding Points

- Partnerships Essential
- Brownfield/Water Connection for Corps Involvement
- Creative Solutions That Deliver Both
  - Economic Redevelopment
  - Environmental Restoration

