

An Assessment of Federal Water Programs and Opportunities that Support States and Interstates in Managing Water Resources

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## State Needs from Federal Government

- Hydrologic Data and Information Streamgages (USGS), SNOTEL (NRCS), Precipitation (NOAA), ET (BOR), Water Quality (EPA and USGS) -Consistent Quality, Geographically Dispersed, and Readily Available
- Assessment of Interstate Waters Watershed Scale Water Availability and Water Use Information – Consistent Methodologies Across State Boundaries

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## **State Needs from Federal Government**

- Planning and Management of Federal Water Projects as a Unified System on a Watershed Basis
- Planning Tools and Technical Assistance Demand Forecasting – Hydrologic Modeling
- Infrastructure Development Engineering and Financial Support

Note: All Elements of Integrated Water Resources Management

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## State Desires from Federal Government

- Better Coordination Between Federal Agencies
- Better Coordination with State and Regional Entities
- Inclusive Planning Process
- Support of Integrated Water Resources Management

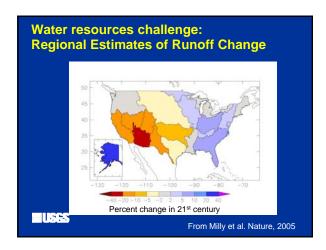
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# Recognized Need for Integrated Water Resources Management

- Climate Change
- Population Growth and Shifts
- Energy/Water Nexus
- Environmental Restoration
- Emerging Water Shortages
- Interstate Waters

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## **Federal Agency Assessment**

Focus on how the Federal government can better support States and regional entities in Integrated Water Resources **Management (IWRM)** 

- Federal Authorities and Initiatives
- Existing Partnerships and Collaboration
- Opportunities for Improvement

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### **Federal Agency Assessment**

13 Key Federal Water Agencies Inventoried

\*Aesaclas included in the .... -BLM Assessment: -Forest Service (FS) -Bureau of Reclamation -Fish and Wildlife Service -Natural Resources Conservation Service (NRCS) (PW9) -NOAA -National Park Service (NPS) -Corps of Engineers -USGS -EPA -TVA

**Federal Agency Assessment** 

**Agency Missions** 

- Land and Resource Management
- Water Infrastructure and Development
- Environmental Protection
- Disaster Preparation and Response
- Science and Information

Note: 14 Different House/Senate Authorizing and Appropriations Committees

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#### **Federal Water Programs**

Assessment identified 94 federal water programs

Key program objectives/focus:

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- Water quality/quantity Integrated water resources management
- Natural hazards management
- Water supply
- Climate change
- Navigation
- Hydropower Recreation

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- Key services offered:

  - Planning
    Data collection and
  - management

    Models and methods
  - Regulation
  - Project development
  - Operation and maintenance
  - Grants, funding
  - Technical assistance Water education
  - Mitigation
  - Demonstration projects
  - Research and development

**Federal Agency Assessment** 

**Examples of Federal Water Programs and Initiatives in Support of IWRM** 

- Corps: Planning Assistance to States
- Reclamation: Basin Studies Programs
- NRCS: Conservation Technical **Assistance**
- NOAA: Hydrology Program IWRSS
- USGS: National Streamflow Information

**National Water Census** ~ | X 53

## **Federal Agency Assessment**

**Examples of Federal Agency** Collaboration

- STORET/ NWIS Data Base Integration **USGS and EPA**
- Climate Change and Water Management BOR, CORPS, USGS, and NOAA
- Great Lakes Interagency Task Force

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## **Federal Agency Assessment**

**Examples of Federal – State Partnerships** 

- USGS Cooperative Water Program
- Chesapeake Bay Program
- Bay Delta Conservation Plan
- Great Lakes Regional Collaboration
- Comprehensive Everglades Restoration Plan
- WestFAST

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### **Inclusive Stake Holder Planning**

- USGS Cooperative Water Program **Regional Stakeholder Meetings**
- NOAA Strategic Plan Visioning
- USACE National Collaborative Effort

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### **Lessons Learned**

- Collaboration works best when States take the lead in defining their problems, issues, and desired outcomes
- Address well defined issues with clearly defined outcomes
- Develop regionally based initiatives and stay committed for the long term
- Be flexible, leverage resources, and focus on results

## **Opportunities**

- Continue State and Federal Dialogue
- Shared Vision for Water Supply Planning and Management
- Coordinate Federal and State Programs
- Federal Tool Box

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