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ACKNOWLEDGEMENTS

Review and EIS Joint Lead Agencies:
US Army Corps of Engineers
Bureau of Reclamation
New Mexico Interstate Stream Commission

Cooperating Agencies:
Bureau of Indian Affairs
U.S. Fish and Wildlife Service
New Mexico Department of Agriculture
New Mexico Environment Department
Pueblo of San Juan

Agencies Contributing Staff Time in Support of Technical Teams or Public Involvement:
International Boundary & Water Commission, U.S. Section
New Mexico Game & Fish Department
Middle Rio Grande Conservancy District
City of Albuquerque
Rio Grande Restoration
City of Santa Fe
Colorado Division of Water Resources
Texas Natural Resources Conservation Commission
University of New Mexico
New Mexico State University
New Mexico Institute of Mining & Technology
New Mexico Water Resources Research Institute

URGWOM:
US Army Corps of Engineers
Bureau of Reclamation
U.S. Geological Survey
U.S. Fish and Wildlife Service
Bureau of Indian Affairs
International Boundary and Water Commission, U.S. Section
New Mexico Interstate Stream Commission
City of Albuquerque
City of Santa Fe
Rio Grande Restoration
Los Alamos National Laboratory
Sandia National Laboratories
Paso del Norte Watershed Council
Desert Research Institute
El Paso Water Utilities
SAHRA
University of New Mexico
New Mexico WRRI

And Approximately 20 Other Individuals or Entities

And Approximately 80 Other Individuals or Entities Who Help with Technical Review
ISSUES

- Drought
- Flood Control
- Farming
- Endangered Species / Habitats
- Indian Water Rights
- Recreation on Rivers & Reservoirs
- Municipal & Industrial Water
- River Morphology / Sediment Transport

- Interstate Compacts / Deliveries
- International Treaties / Deliveries
- Competing Irrigation Districts
- Cultural / Archeological
- Power Generation
- Instream Flows versus “Beneficial Uses”
- Insufficient Storage Capacity
- You Name It....
Organization Chart, cont’d.

Support Teams
- URGWOM Integration
- Geographic Information Systems
- Hydrology, Hydraulics

Project Management

Technical Teams
- River Geomorphology, Sedimentation and Mechanics
- Riparian and Wetland Ecosystems
- Land Use, Socioeconomics, Agriculture, Environmental Justice
- Recreation
- Water Quality
- Aquatic Systems
- Cultural Resources
GOALS

- Improve flexibility and cooperation
- Improve communication
- Increase efficiency
- Improve decision-making processes and public involvement
- Ensure regulatory compliance
- Provide historical baseline
## CRITERIA

**AGENCY or STAKEHOLDER:** JLA & Steering Committees Combined  
**Date:** 11/13/2003  
**Participants:** COE, BOR, ISC & Steering Committee Participants

### OVERALL RANK

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### ABBREVIATIONS:
- URGWOPS = Upper Rio Grande Water Operations
- EIS = Environmental Impact Statement
- JLas = Joint Lead Agencies
- COE = U.S. Army Corps of Engineers
- BOR = U.S. Department of Interior - Bureau of Reclamation
- ISC = New Mexico Interstate Stream Commission
- SC = Steering Committee - input from participants in November 13, 2003 meeting choosing to participate in ranking
URGWOM MODEL
All Model Runs: 40 Year Otowi Flow Sequence

Planning Year (Hydrologic Year)

Volume in Acre-Feet

40 Yr Average = 933,573
Vegetation Mapping

Vegetative type codes
FLO-2D Hydraulic Model Grids

FLO-2D GRID
Tool for Predicting "Overbank" Flood Depths & Velocities
Aquatic Habitat Model

Elevation, in feet

RMA2 Input data grid
Upper Rio Grande Water Operations Model (URGWOM)
http://www.spa.usace.army.mil/urgwom

Upper Rio Grande Basin Water Operations Review & EIS
http://www.spa.usace.army.mil/urgwops/