ECOLOGY AND MANAGEMENT OF TAILWATERS IN THE UNITED STATES
WAHWEAP MARINA
LAKE POWELL, ARIZONA
APRIL 25-28 2000

APRIL 26 - WEDNESDAY CASE HISTORY SESSION

8:30 a.m.    Welcome
Barbara Ralston - Grand Canyon Monitoring and Research Center

8:45 a.m.    Investigating tailwaters with a national approach - some history
Jerry Novotny - U.S. Fish and Wildlife Service

9:00 a.m.    Assessment of stocked and wild trout fisheries in Tennessee tailwaters
Phil Bettoli and Francis C. Fiss
Tennessee Cooperative Fishery Research Unit

9:45 a.m.    Analysis of the decline of large rainbow trout in Lake Taneycomo, Missouri
Robert Hayward - University of Missouri, Columbia

10:30 a.m.   BREAK

11:00 a.m.   Mountain Fork fishery case history
Jack Harper - Oklahoma Department of Conservation

11:45 a.m.   LUNCH

1:00 p.m.    Flaming Gorge tailwater case history
Roger Schneidervin - Utah Division of Wildlife Resources

1:45 p.m.    Tailwater management in Arkansas' White River system
John D. Stark, C. S. Todd, and L. L. Rider
Arkansas Game and Fish Commission

2:30 p.m.    BREAK

3:00 p.m.    Ecology of rainbow trout in the Lee's Ferry tailwater: Flow related fishery
decline, recover, and potential for stability
David W. Speas, C. J. Walters, T. McKinney, and W. R. Persons
Arizona Game and Fish Department

3:30 p.m.    San Juan tailwater case history
C. Marc Wethington - New Mexico Department of Game and Fish

5:00 p.m.    MIXER, CASH BAR

7:00 p.m.    TROUT UNLIMITED BANQUET
**APRIL 27 - THURSDAY**

8:00 a.m.  Managing a tailwater fishery within an adaptive management program  
**Barry D. Gold** - Grand Canyon Monitoring and Research Center  
**William R. Persons** - Arizona Game and Fish Department

8:30 a.m.  The simultaneous operation of Colorado River storage project power plants to meet customer demand  
**Clayton Palmer** - Western Area Power Administration

9:00 a.m.  For better production, should we change the flow, change the fish, or do both?  
**W. E. Davis** - Ecoplan Associates

9:20 a.m.  Rainbow Trout in the Grand Canyon: Genetic Issues and Opportunities  
**D. Philipp, J. Claussen, W. Persons, S. Morgensen, and J. Epifanio**  
Illinois Natural History Survey

10:00 a.m.  BREAK

10:30 a.m.  Water quality trends in Lake Powell and downstream influences  
**Susan Hueftle** - Grand Canyon Monitoring and Research Center

11:00 a.m.  Thermal warming patterns associated with discharge from Lake Powell  
**William Vernieu** - Grand Canyon Monitoring and Research Center

11:30 a.m.  Effects of river regulation on the tailwater food base below Glen Canyon Dam  
Northern Arizona University

12:00 noon  LUNCH

1:30 p.m.  Historical ecological changes downstream from a large western dam  
**Mark Vinson** - National Aquatic Monitoring Center

2:00 p.m.  Management and research efforts to restore a declining tailwater trout fishery in Missouri  
**M. Kruse, D. Lobb, and W. Anderson**  
Missouri Department of Conservation

2:30 p.m.  Where are all the big fish?  Abiotic and biotic conditions limiting brown trout in Smith River tailwater  
**D. C. Novinger and D. J. Orth** - Virginia Tech University

3:00 p.m.  BREAK
APRIL 27 - THURSDAY

3:30 p.m.  Thermal enhancement of a year-round fishery in an Oklahoma tailrace
P. B. Blakenbush, G. Hauser, and Jack Harper
Oklahoma Department of Conservation

4:00 p.m.  Factors influencing over-wintering survival of juvenile trout in Wyoming tailwaters
W. A. Hubert, D. G. Simpkins, J. L. Hebdon, and M. R. Dare
Wyoming Cooperative fish and Wildlife Research Unit

4:30 p.m.  BREAK

5:00 p.m.  Roundtable Discussion of Tailwaters Management

6:00 p.m.  Poster session, Mixer, Cash Bar

APRIL 28 - FRIDAY

8:00 a.m.  Flannelmouth sucker spawning in the mainstem of the Colorado River near Lee’s Ferry
R. S. Rogers and T. McKinney - Arizona Game and Fish Department

8:30 a.m.  Longitudinal effects of Glen Canyon Dam on Colorado River fish communities
R. A. Valdez - SWCA

9:00 a.m.  Trout in the desert: Problems associated with establishing a tailwater rainbow trout fishery in the presence of native fishes
A. T. Robinson and S. D. Bryan
Arizona Game and Fish Department

9:30 a.m.  Angling quality, effort response, and exploitation in recreational fisheries: Development and application of regional models for British Columbia rainbow trout (Oncorhynchus mykiss)
S. P. Cox - University of British Columbia

10:00 a.m.  Evaluation of Bull Shoals Tailwater minimum coverage and temperature control flows, and dissolved oxygen improvements
Arkansas Game and Fish Commission

10:30 a.m.  CONCLUDING REMARKS
Barbara Ralston - Grand Canyon Monitoring and Research Center