

**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
E. P. Benenati, D. W. Blinn, J. P. Shannon, and G.A. Haden
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
John D. Stark, C. S. Todd, L. L. Rider, and G. E. Hauser
Arkansas Game and Fish Commission
- 10:30 a.m. CONCLUDING REMARKS
Barbara Ralston - Grand Canyon Monitoring and Research Center