



© Bonnie Rannald

2007 Truckee River Symposium:
Headwaters to Terminus
and

Western U.S. Terminal Lakes:
Research Needs for Policy Decisions



October 16-18, 2007
Grand Sierra Resort
Reno, Nevada



*These three Truckee River photos provided by:
Tim Rowe, U.S. Geological Survey*



*Join us for these two timely related events. They will be held consecutively.
Attendees can register for either event individually or both.*

2007 Truckee River Symposium – Headwaters to Terminus October 16-17, 2007

The purpose of the Truckee River Symposium, a two-day event, is to investigate and evaluate science along the river. Discussions will provide an understanding of Truckee River's important role in supporting Northern Nevada, while serving as a valuable resource to others who utilize the Truckee River. One element of this program is to provide all groups who work on the river a comprehensive understanding of what their colleagues are doing, and to bring critical Truckee River issues to the table for discussion. Drought, water resources, technical considerations and ecological elements such as environmental and recreational perspectives will also be discussed.



2007 TRUCKEE RIVER SYMPOSIUM PLANNING COMMITTEE

Alan McKay

Desert Research Institute, Co-Chair

Tim Rowe

U.S. Geological Survey, Co-Chair

Donna Bloom

Nevada Water Resources Association

Mike Brisbin

Truckee Meadows Water Reclamation Facility

Mimi Fuji-Strickler

Truckee River Flood Project

Danielle Henderson

Nevada Division of Environmental Protection

Nick Lancaster

Desert Research Institute

Don Mahin

ECO:LOGIC

Laurel Saito

University of Nevada, Reno

Shawn Stoddard

Truckee Meadows Water Authority

Terri Svetich

City of Reno

John Warwick

Desert Research Institute

Nevada
Water
Resources
Association



2007 Truckee River Symposium – Headwaters to Terminus October 16-17, 2007

Day 1 – Tuesday, October 16, 2007

7:30 a.m. - 4:00 p.m.

Symposium Registration

8:30 a.m. – 9:00 a.m.

Opening Remarks -

Alan McKay, Associate Research Hydrologist, Desert Research Institute, Symposium Planning Committee, Co-Chair

◆ Keynote Speaker:

Jane Marks, Northern Arizona University (Invited)

9:00 a.m. – 10:15 a.m.

Water Policy and Planning Session

Panelists will address the many policies and challenges associated with managing the Truckee River. The management of water resources and the Truckee River is the focus of many local, county, and state policies. This session will discuss many of these policies and action taken by the State Legislature regarding the Truckee Meadows.

Moderator: **Shawn Stoddard**, Senior Water Resource Planner, Truckee Meadows Water Authority

◆ **John Erwin**, Director, Resource Planning and Development, Truckee Meadows Water Authority - *Negotiating a Future, Water Resource Solution for the Truckee Meadows*

◆ **Jim Smitherman**, Water Resource Program Manager, Washoe County Department of Water Resources - *Regional Water Planning Policies and the Truckee River*

◆ **Steve Walker**, President, Walker & Associates - *Review of the 2007 State Legislature's actions concerning water issues with some insight on what to expect next session and general discussion of the more active role the Nevada State Legislature has taken concerning both statewide and regional water issues*

10:15 a.m. – 10:30 a.m.

Break – Poster & Reception Area

10:30 a.m. – Noon

Data Collection and Innovative Monitoring

All Data Collection and Monitoring efforts on the Truckee River and its watershed will be covered with a focus on the “TRIG” (Truckee River Info Gateway). TRIG is a collaborative effort to make data and other relevant digital information on the Truckee River Basin accessible from a website (<http://www.truckeeriverinfo.org>).

The Truckee River Info Gateway aims to be an invaluable resource for Truckee River basin studies by providing a variety of data that researchers, agencies and other organizations can use. It is through mutual collaboration of the beneficiaries in contributing content to this site that the mission will be actualized. People are invited to become TRIG Knowledge Liaisons and start adding content or suggestions on how to improve the site and make it more useful.

The main content areas of TRIG are online databases with queries to access these data, online documents and reports, bibliographic references, image gallery, maps & GIS, hydrologic and watershed models and links to external resources. TRIG has a section dedicated to current news. It includes a “news aggregator” which consolidates Truckee River news items to a central access point. This website will soon have a public press release, so visit it and tell us what you think!

2007 Truckee River Symposium – Headwaters to Terminus

Moderator: **Mike Brisbin**, Water Quality Coordinator, Truckee Meadows Water Reclamation Facility

- ◆ **Beth Christman**, Program Manager, Truckee River Watershed Council - *Volunteer monitoring in the Truckee River: what works, what doesn't, and some results from the Middle Truckee River*
- ◆ **Dave Waetjen**, Graduate Student, Information Center for the Environment, University of California, Davis - *Sharing Data and other Digital Objects through TRIG*
- ◆ **Ted Daum**, Water Quality Specialist, EDAAW - *TRIG DATA ANALYSIS: Truckee River Water Quality: Current Conditions and Trends Relevant to TMDLs and WLAs*

Noon – 1:30 p.m.

Luncheon

- ◆ Keynote Speaker:
Larry Hersh, Author
Central Pacific Railroad Across Nevada, 1868-1997

1:30 p.m. - 2:30 p.m.

Flood Management Session

This session will focus on flood management along the Truckee River

Moderator: **Naomi Duerr**, Truckee River Flood Management Project Director

- ◆ **Paul Urban**, Flood Control Manager, Washoe County Department of Water Resources
- ◆ **Shawn Gooch**, Flood Manager, City of Sparks
- ◆ **Technical Presentations**

2:30 p.m. – 3:00 p.m.

Break – Poster & Reception Area

3:00 p.m. – 4:00 p.m.

Water Quality Session

This session will focus on water quality issues in the Truckee River

Moderator: **John Warwick**, Executive Director of Division of Hydrologic Sciences, Desert Research Institute

- ◆ **Randy Pahl**, Watershed Technical Coordinator, Nevada Division of Environmental Protection
- ◆ **Technical Presentations**

4:00 p.m. – 5:30 p.m.

Truckee River Restoration

This session will showcase recently completed, ongoing and future planned restoration projects in the Truckee River watershed, focusing on the challenges and opportunities that managers face when attempting to design and implement restoration projects in an urbanized, highly regulated river system.

Moderator: **Danielle Henderson**, Environmental Scientist, Nevada Division of Environmental Protection

- ◆ **Patti Bakker**, Truckee River Project Manager, The Nature Conservancy, **Chad Gourley**, President, Otis Bay Ecological Consultants - *Restoration projects along the lower Truckee River*
- ◆ **Technical Presentations**

5:30 p.m. – 7:00 p.m.

Reception – Poster & Reception Area

2007 Truckee River Symposium – Headwaters to Terminus

Day 2 – Wednesday, October 17, 2007

7:30 a.m. – 4:00 p.m.	Symposium Registration
7:30 a.m. – 8:00 a.m.	Continental Breakfast – Poster & Reception Area
8:00 a.m. – 9:40 a.m.	Understanding how the Funding Game Works <i>With the increasing emphasis on measurable results, this panel session will focus on specifically what funding agencies are looking for during the proposal process. Discussion will also address what priority projects should be implemented to enhance the Truckee River, and what opportunities exist for funding such projects through single or multiple entities.</i> Moderator: Dr. Laurel Saito , Assistant Professor, University of Nevada, Reno <ul style="list-style-type: none">◆ L. Douglas James, Program Officer, Hydrologic Sciences, National Science Foundation - <i>Funding opportunities through the National Science Foundation</i>◆ Stephanie L. Wilson, Environmental Scientist, U.S. Environmental Protection Agency - <i>Funding opportunities through the U.S. Environmental Protection Agency</i>◆ Janet R. Phillips, Chair, Truckee River Fund Advisors - <i>Truckee River Fund: Funding opportunities through the Truckee River Fund</i>◆ Birgit M. Widegren, Environmental Scientist IV, Nevada Division of Environmental Protection, Bureau of Water Quality Planning - <i>Funding opportunities in the State of Nevada</i>
9:40 a.m. – 10:10 a.m.	Break – Poster & Reception Area
10:10 a.m. – Noon	Water Quantity Technical Session <i>This session will focus on water quantity issues in the Truckee River</i> Moderator: Timothy G. Rowe , Hydrologist/Lake Tahoe Liaison, U.S. Geological Survey, Nevada Water Science Center <ul style="list-style-type: none">◆ Kenneth Parr, Truckee River Operating Agreement (<i>Invited</i>)◆ Steven Berrris, Supervisory Hydrologist, Northern Nevada Networks Unit, U.S. Geological Survey, Nevada Water Science Center - <i>Accuracy and Availability of U.S. Geological Survey Truckee River Basin Streamflow Data</i>◆ Technical Presentations
Noon – 1:30 p.m.	Luncheon <ul style="list-style-type: none">◆ Keynote Speaker: Invited TBD
1:30 p.m. – 2:30 p.m.	Biology Session <i>This session will focus on biological issues in the Truckee River</i> Moderator: Dr. Sudeep Chandra , Assistant Professor, University of Nevada, Reno (<i>invited</i>)
2:30 p.m. – 3:00 p.m.	Break – Poster & Reception Area

2007 Truckee River Symposium – Headwaters to Terminus

3:00 p.m. – 4:00 p.m.

Pyramid Lake and Lake Tahoe Session

This session will focus on key issues pertaining to the Truckee River and it's relationship with both Lake Tahoe and Pyramid Lake

Moderator: **Dr. James Thomas**, Senior Director, CWES,
Research Professor Desert Research Institute

◆ **Dr. James Thomas**, Senior Director, CWES, Research Professor Desert Research Institute – *Lake Tahoe and the Truckee River*

◆ Technical Presentations

4:00 p.m. – 5:00 p.m.

Global Warming Session

The session will address global warming and how it will impact the Truckee River, its tributaries and water resource planning

Moderator: **Alan McKay**, Associate Research Hydrologist,
Desert Research Institute, Symposium Planning
Committee, Co-Chair

◆ **Dr. Mark Stone**, Assistant Research Professor, Desert Research Institute (invited)

◆ **Dr. Kelly T. Redmond**, Regional Climatologist, Deputy Director, Desert Research Institute

◆ **Dr. Thomas R. Armstrong**, Senior Advisor for Global Change, U.S. Geological Survey, Office of the Director, Headquarters (Invited)

5:00 p.m.

Closing Comments and Transition from Truckee River to Terminal Lakes

Tim Rowe, Hydrologist/Lake Tahoe Liaison, U.S. Geological Survey, Nevada Water Science Center, Conference Planning Committee Co-Chair

5:10 p.m. – 6:30 p.m.

Reception – Poster & Receptions Area

Western US Terminal Lakes: Research Needs for Policy Decisions

Thursday, October 18, 2007

Terminal lakes are an important component of hydrologic systems in the western United States and many other desert regions. Many of these lakes are severely impacted by human and other changes in their watersheds, leading to reduced inflows and significant ecological and water quality concerns for the lakes. In turn, fisheries and recreational uses of the lake may be affected. All these issues provide significant concerns for the managers of these lakes and watersheds and raise many questions for research.

The goal of the workshop will be to develop a white paper on science and research priorities for western terminal lakes. The white paper will be completed by the end of 2007 and be posted on the DRI and UNR Academy for the Environment website.

The workshop will consist of keynote presentations on the history of terminal lakes in the Great Basin and beyond, their hydrology and physical and chemical processes, ecology of terminal lakes, science needs for policy and management, and human dimensions of terminal lakes; this will be followed by a panel discussion with the keynote speakers, posters, and breakout group discussions to develop the white paper. The format will be designed to maximize interaction and discussion amongst participants.

We invite all who have interests in research and management of terminal lakes to attend the workshop and participate in the discussion. There will be an extended lunch-time poster session for presentation of recent research results.

Thursday, October 18, 2007

7:30 a.m. - 4:00 p.m.	Symposium Registration
8:00 a.m. - 8:15 a.m.	Introduction and Welcome
8:15 a.m. -10:30 a.m.	Keynote presentations
8:15 - 8:40	Dr. Larry Benson , Project Chief U.S. Geological Survey, Water Resources Division, National Research Program - <i>Paleoenvironments and history of terminal lakes in the western USA</i>
8:40 - 9:05	Dr. David Stevens , Professor, Utah State University - <i>Hydrology of terminal lakes</i>
9:05 - 9:30	TBA: Ecohydrology of Terminal Lakes
9:30 - 9:55	Carol Grenier, P.E. , Desert Terminal Lakes Program Manager, U.S. Bureau of Reclamation - <i>Science needs for policy and management</i>
9:55 - 10:20	Dr. Leah Wilds , Associate Professor and Director of Graduate Studies, Department of Political Science, University of Nevada, Reno
10:30 a.m. - 11:00 p.m.	Break - Poster & Reception Area
11:00 a.m. - Noon	Panel discussion with keynote speakers
Noon - 1:30 p.m.	Luncheon and Poster Session
1:30 p.m. -5:00 p.m.	Research needs for Policy Decisions - breakout group discussion and identification of priorities
1:30 - 2:30	Short presentations by breakout group leaders from the morning topics
2:30 - 4:00	Breakout group discussions
4:00 - 5:00	Report back from breakout groups and final discussions
5:00 p.m.	Closing Comments and Adjourn

Sponsorship Opportunities

Exhibitors and sponsors are welcome. NWRA invites all those interested in exhibiting at the event. This is a great opportunity for your firm/agency to network with colleagues. Special recognition of individual or joint contributors at the Symposium is available at these sponsorship levels:

- ★ **Exhibitor** – \$375 reserves one full booth. One registration is included with the exhibitor fee.
- ★ **Bronze Level Sponsorship** – \$250 reserves space for your logo in the conference program.
- ★ **Silver Level Sponsorship** – \$500 reserves space in the symposium program plus one display booth at the event. This is on a first-come, first-serve basis.
- ★ **Gold Level Sponsorship** – \$1,000 sponsors a Continental Breakfast or Luncheon on either of the two symposium days. This is on a first-come, first-serve basis. Gold level sponsors receive one complimentary registration.
- ★ **Platinum Level Sponsorship** – \$1,500 hosts the Poster Reception October 16, 2007 or October 17, 2007. Platinum level sponsors receive two complimentary registrations.

Please complete this form and send it to Donna Bloom with a check by September 21, 2007 to:

NWRA
Donna Bloom, *NWRA Executive Director*
P.O. Box 8064, Reno, NV 89507

You may also sponsor online by going to www.nvwra.org

Name: _____ Title: _____

Organization: _____

Address: _____

City/State/Zip _____

Phone: _____ Fax: _____

E-mail: _____

Sponsorship Level (if sponsoring, circle one) : Bronze Silver Gold Platinum

Type of Display: Table Top (one 6' table) _____ Full Display _____

Outlet Requirements: _____

Exhibitor (Non-Sponsors) \$375 _____

Type of Display: Table Top (one 6' table) _____ Full Display _____

2007 Truckee River & Terminal Lakes Registration Form

Registration includes, all meals, receptions and symposium materials (abstract book). To register, please complete this form. Type or print, one registration form per person. Photocopy as needed. Make checks payable to Nevada Water Resources Association (NWRA). Mail to: NWRA, P.O. Box 8064, Reno, NV 89507. You may also register on our website at: www.nvwra.org

Name: _____ Title: _____

Organization: _____

Address: _____

City/State/Zip _____

Phone: _____ Fax: _____

E-mail: _____

Abstract Submitted (if presenting): _____

Early Registration – Fees Received by September 21, 2007

NWRA Member Fees:

Truckee River Symposium	\$250 _____
One-Day Only Truckee River Symposium	\$125 _____
Terminal Lakes Symposium	\$100 _____
Both Events	\$350 _____

Non - Member Fees:

Truckee River Symposium	\$300 _____
One-Day Only Truckee River Symposium	\$150 _____
Terminal Lakes Symposium	\$135 _____
Both Events	\$400 _____

LATE REGISTRATION (*Fees Received after September 21, 2007*) add \$30 _____

Student Registration

Student Scholarships are available. If you are interested in receiving a scholarship, please contact Donna Bloom at 775/626-6389 or donna.bloom@sbcglobal.net for more information.

Truckee River Symposium Only	\$50 _____
Terminal Lakes Symposium Only	\$40 _____
Both Events	\$75 _____

Sponsor - Gold Level (1 complimentary Registration) _____

Sponsor - Platinum Level (2 complimentary Registrations) _____

Total Fees \$ _____

Nevada Water Resources Association



Nevada
Water
Resources
Association



2007 TRUCKEE RIVER SYMPOSIUM PLANNING COMMITTEE

Alan McKay, *Desert Research Institute, Co-Chair*

Tim Rowe, *U.S. Geological Survey, Co-Chair*

Donna Bloom, *Nevada Water Resources Association*

Mike Brisbin, *Truckee Meadows Water Reclamation Facility*

Mimi Fuji-Strickler, *Truckee River Flood Project*

Danielle Henderson, *Nevada Division of Environmental Protection*

Nick Lancaster, *Desert Research Institute*

Don Mahin, *ECO:LOGIC*

Laurel Saito, *University of Nevada, Reno*

Shawn Stoddard, *Truckee Meadows Water Authority*

Terri Svetich, *City of Reno*

John Warwick, *Desert Research Institute*