

# *Managing Our Water Supplies*

19th Annual



## **Water and the Future of Kansas Conference Program**

**March 5, 2002**

Holiday Inn  
Lawrence, Kansas



Sponsored by:

Kansas Center for Agricultural Resources and the  
Environment (K-CARE)  
Kansas Water Resources Research Institute (KWRI)  
K-State Research and Extension  
U.S. Geological Survey

# Tentative Agenda

- 7:30–8:00 am**                      **Poster/Display Setup**
- 8:00–8:30 am**                      **Registration, Continental Breakfast  
View Poster Displays**
- 8:30–10:30 am**                      **Plenary Session**
- 8:30–8:40 am**                      *Welcome and Opening Remarks*  
Lee Allison, Director  
Kansas Geological Survey
- 8:40–9:10 am**                      *Kansas Leadership in the Management of Water  
Supplies*  
Clark Duffy, Assistant Director  
Kansas Water Office
- 9:10–9:40 am**                      *Current Availability, Use, and Management of  
Water Supplies in Kansas*  
Tom Huntzinger, Water Appropriations Program Manager  
Division of Water Resources, Kansas Department of Agriculture
- 9:40–10:10 am**                      *Future Management of Water Supplies:  
An Arizona Case Study*  
Jim Holway, Assistant Director  
Groundwater Management Division,  
Arizona Department of Water Resources
- 10:10–10:30 am**                      **Break**
- 10:30–11:45 am**                      *Town Hall Meeting of Gubernatorial Candidates  
on Their Perspectives of Kansas Water Supply  
Issues*
- 11:45 am**                              **Buffet Lunch**
- 12:30–1:30 pm**                      **View Poster Papers**

## CONCURRENT SESSIONS 1, 2, 3 (run simultaneously)

- 1:30–2:50 pm**                      **Session 1 — Managing Groundwater Supplies**
- Outcome of the Ogallala Aquifer Management  
Committee*  
Cliff Mayo, Committee Member  
and Kansas Water Authority Member
- High Plains Aquifer Management - A GMD Perspective*  
Wayne Bossert, Manager  
Northwest Kansas Groundwater Management District 4
- Groundwater Supply Management -  
A Texas Perspective*  
Comer Tuck, Office of Planning  
Texas Water Development Board, Austin, Texas
- Water Supply Management Issues of the Cambro  
Ordovician Aquifer in Southeast Kansas*  
Iona Branscum, Eastern District Water Commissioner  
Division of Water Resources,  
Kansas Department of Agriculture
- 1:30–2:50 pm**                      **Session 2 — Managing Surface-Water  
Supplies**
- Surface-Water Supply Management under the  
Kansas Water Plan*  
Margaret Fast, Manager, State Water Planning  
Kansas Water Office

***Surface-Water Supply Management in Kansas for Wildlife***

Former Governor Mike Hayden, Secretary  
Kansas Department of Wildlife and Parks

***Surface-Water Supply Management - A City Perspective***

Tom Schrempp, Johnson County Water 1

***Managing Croplands and Grasslands in Kansas to Protect the Quality of Surface-Water Supplies***

Dan Devlin, Professor  
Department of Agronomy, Kansas State University

1:30–2:50 pm

**Session 3 — Surface-Water — Groundwater Interactions Affecting Water Supplies**

***Factors Contributing to Changes in Groundwater Availability and Streamflow in the Upper Republican River Basin, Nebraska, Kansas, and Colorado***

Matt Landon, Nebraska District, U.S. Geological Survey

***Surface-Water — Groundwater Interactions Related to Compacts of Kansas with Other States***

David Pope, Director  
Division of Water Resources, Kansas Department of Agriculture

***Joint Management of River and Groundwater Supplies in the Equus Beds Area***

Gerald Blain, Superintendent, City of Wichita  
Mike Dealy, Manager,  
Equus Beds Groundwater Management District No. 2

***A Web-Based Program for Computing Pumping - Induced Stream Depletion — Practical Applications***

Jim Butler, Senior Scientist  
Kansas Geological Survey

3:50–3:10 pm

Break

**CONCURRENT SESSIONS 4, 5, 6 (run simultaneously)**

3:10–4:30 pm

**Session 4 — Physical and Chemical Aspects of Groundwater Supplies**

***Informatics Approaches to High Plains Aquifer Data Communications***

Brownie Wilson, Hydrologic Data/GIS Manager  
Kansas Geological Survey

***Water Conservation and Management in Crop Systems to Extend Groundwater Supplies***

Danny Rogers, Professor and Extension Engineer  
Department of Biological and Agricultural Engineering,  
Kansas State University

***Deep Unsaturated Zone Recharge to the High Plains Aquifer***

Pete McMahon, Hydrologist, U.S. Geological Survey  
Marios Sophocleous, Sr. Scientist, Kansas Geological Survey

***Management of Water in the Murray-Darling Basin of Australia to Control Groundwater Salinity***

Lawrie Kirk, Manager of Education  
Murray-Darling Basin Commission, Canberra, Australia

3:10–4:30 pm

**Session 5 — Physical and Chemical Aspects of Surface Water Supplies**

***Developments in the USGS Gaging Station and Real-Time Data Systems***

Jim Putnam, Hydrologic Data Management,  
Kansas District, U.S. Geological Survey

***The Impact of Sedimentation on Kansas Reservoir Supplies***

David Mau, Hydrologic Investigations  
Kansas District, U.S. Geological Survey

***Predicting the Effects of Watershed Management on the Eutrophication of Reservoirs in the Central Plains***

Shih-Hsien Wang, Director of Ecotox Laboratory  
Kansas Biological Survey

***Watershed Modeling for Assessing Water Quality Impacts of Reservoir Water Quality***

Kyle Mankin, Assistant Professor  
Department of Biological and Agricultural Engineering,  
Kansas State University

**3:10 - 4:30 pm**

**Session 6 — Projects Supported by KWRI**

***A Web site for Irrigation Scheduling***

Gary Clark, Professor  
Department of Biological and Agricultural Engineering,  
Kansas State University

***Equipment for Measuring Seepage Rates of Lagoons***

Jay Ham, Professor  
Department of Agronomy, Kansas State University

***A Field Assessment of Direct Push Technology for Site Characterization Investigations***

Jim Butler, Senior Scientist  
Kansas Geological Survey

***Phosphorus in Agricultural Run-off***

Gary Pierzynski, Professor  
Department of Agronomy, Kansas State University

## Poster Sessions

Posters of educational, noncommercial presentation highlighting programs, projects, and research are invited for this conference. Payment of a registration fee entitles the presenter to one poster space. The posters must be stand-alone or table-top displays and poster authors should be available to discuss their posters with interested parties from 8:00-8:30am and 12:30-1:30 pm. Deadline for submission is February 15, 2002. Abstracts that do not meet space requirements will also be rejected. Please check for completeness and accuracy. Poster Session/Display presenters will be responsible for providing all materials associated with their poster/display. Contact person will be notified of accepted entries. Entries can be submitted online at the address listed below.

## CEU's

The Division of Continuing Education at Kansas State University will certify your attendance by providing you with an official certificate. Please mark the appropriate space on the registration and remit the \$15 fee.

## Questions/Information

Call the Conference Registration Office at (785) 532-5569 or 1-800-432-8222 for registration information. For information about the conference, contact the Conference Office at (785) 532-5575 or email [info@dce.ksu.edu](mailto:info@dce.ksu.edu).

## Who Should Attend

Every Kansan who is interested in water should attend and learn more about the issues. For committees and organizations with an interest in water, attendance or representation should be a must. This conference is the forum for all representatives from most of the state agencies, universities, and organizations who study, plan, regulate, or are interested in influencing decisions on how our waters are managed.

## Purpose

- ▼ To inform all concerned about the status of water in Kansas
- ▼ To provide an opportunity to interact with others who share an interest, responsibility, or concern for water.

## Accommodations

A block of rooms has been reserved at the Holiday Inn located at 200 McDonald Drive, Lawrence, Kansas for conference participants.

**Please refer to the *Water and the Future of Kansas Conference* when making your reservation directly with the Holiday Inn at (785) 841-7077 by February 18, 2002 to receive the special rate of \$65.00.**

## Registration Information/Policy

The registration fee of \$50 includes a luncheon, poster presentation option, refreshment breaks, conference proceedings, and all the conference materials. **Your registration will be confirmed by mail if we receive it by February 22, 2002.** The confirmation will include a map and a receipt/invoice for your registration fees.

### Fast, Easy Registration



Call us now at 1-800-432-8222 or (785) 532-5569 and ask for Conference Registration. Office hours: Monday–Friday, 8 am to 5 pm CST.



Send registration form to: Water and the Future of Kansas Conference, 131 College Court Building, Kansas State University, Manhattan, KS 66506-6015.



Fax the registration form to (785) 532-2422. Attn: Water Conference.

### Cancellation and Refund Policy

If you must cancel your registration, do so as soon as possible. Substitutions are encouraged. Registration fees less a \$10 processing fee will be refunded only if notice is received by the Division of Continuing Education by 5:00 pm on February 22, 2002. Cancellations received after February 22, 2002 will not be eligible for a refund. Refunds will not be given in amounts less than \$5.

### Conference Cancellation Policy

The Division of Continuing Education may cancel or postpone any course or activity because of insufficient enrollment or other unforeseen circumstances. If a program is canceled or postponed, the Division of Continuing Education will refund registration fees but cannot be held responsible for other costs, charges, or expenses, including cancellation/change charges assessed by airlines or travel agencies.

#### **Notice of Nondiscrimination**

Kansas State University is committed to a policy of nondiscrimination on the basis of race, sex, national origin, disability, religion, age, sexual orientation, or other nonmerit reasons, in admissions, educational programs or activities, and employment (including employment of disabled veterans and veterans of the Vietnam Era), all as required by applicable laws and regulations. Responsibility for coordination of compliance efforts and receipt of inquiries, including those concerning Title IX of the Education Amendments of 1972 and Section 504 of the Rehabilitation Act of 1973, and the Americans with Disabilities Act, has been delegated to Jane D. Rowlett, Ph.D., Director, Unclassified Affairs and University Compliance, Kansas State University, 225 Anderson Hall, Manhattan, KS 66506-0124 (913-532-4392).

#### **Special Assistance**

Kansas State University is committed to making conference activities accessible to all participants. If you have special requirements due to disabilities or dietary restrictions, please indicate your needs on the registration form or contact the Division of Continuing Education Registrar at (785) 532-5566 by **Monday, February 25, 2001**. After this date, we will make every effort to provide assistance, but cannot guarantee that requested equipment or services will be available.

# Call for Posters

The 2002 Water and The Future of Kansas Conference Planning Committee invites you to submit titles and abstracts for non-commercial, educational poster papers for the conference. Poster topics are open to any water resource related issues such as policy, standards, management areas, surveys, municipal, industrial or agricultural projects, basic water science, and educational programs. Poster sessions are tentatively scheduled from 8:00 a.m. to 8:30 a.m. and again from 12:30 p.m. to 1:30 p.m.

## POSTER DISPLAY ENTRY Water and the Future of Kansas Conference

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Title of poster display (short and nontechnical)

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Name (contact person)

---

Agency/Department

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Address

---

City

State

Zip Code

(\_\_\_\_\_) \_\_\_\_\_

(\_\_\_\_\_) \_\_\_\_\_

Phone

Fax

---

E-mail address

Additional individuals involved in poster presentation:

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Name

Agency/Department

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Name

Agency/Department

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Name

Agency/Department

---

Name

Agency/Department

Will you need electricity?     Yes                       No

Space required                       Floor Display                       Tabletop (8 ft.)

Please provide me with a display board     4x4     4x8

Abstract of poster topic or project must accompany entry and consist of approximately 500 words typewritten. Remember the audience is diverse, so keep the abstract brief, easy to read, and nontechnical.

Incomplete and/or late entries will be rejected. Please check for completeness and accuracy. A 4x4 or 4x8 display board is available by request. Poster Session/Display presenters will be responsible for providing all other materials associated with their poster/display. Contact person will be notified of accepted entries. **Submission Deadline: February 15, 2002.**

***Or Submit Your Entry Online!***

<http://www.dce.ksu.edu/dce/conf/waterfuture>

**REGISTRATION FORM**  
**Water and the Future of Kansas**  
**March 5, 2002**

(Please photocopy this form for additional registrations)

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First Name

Last Name

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Agency

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Address

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City

State

ZIP Code

(\_\_\_\_\_) \_\_\_\_\_

(\_\_\_\_\_) \_\_\_\_\_

Phone

Fax

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Email Address

**Registration Fees** (include meal cost)

\_\_\_\_\_ \$50.00 Full Registration Fee (if postmarked by February 25, 2002)

\_\_\_\_\_ \$75.00 Full Registration Fee (if postmarked after February 25, 2002)

\_\_\_\_\_ \$15.00 Student Registration Fee

\_\_\_\_\_ \$15.00 CEU's

**Meal Functions** (included in registration fee—please indicate if you are planning to attend)

\_\_\_\_\_ I will be attending the Luncheon

**Method of Payment**

\_\_\_\_\_ Enclosed is a check (payable to Kansas State University, #48-0771751)

\_\_\_\_\_ Please invoice my firm/company. Purchase order # \_\_\_\_\_

\_\_\_\_\_ Please charge my \_\_\_\_\_ VISA \_\_\_\_\_ MasterCard

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Card Number

Expiration Date

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Print Cardholder's Name

Authorizing Signature

**Roster Release**

You may print my name, affiliation, address and telephone/FAX number in the roster of participants. \_\_\_\_\_ Yes \_\_\_\_\_ No

I need special assistance \_\_\_\_\_

(hearing impaired, physical limitations, etc., please specify)

Please return completed registration form by **February 25, 2002** to:

**Water and the Future of Kansas Conference**  
Kansas State University  
131 College Court Building  
Manhattan, KS 66506-6015  
(785) 532-5569 or 1-800-432-8222  
FAX (785) 532-2422

*Program and registration information and Call for  
Posters entry form are also available via the World Wide Web at  
<http://www.dce.ksu.edu/dce/conf/waterfuture/>*



**Continuing Learning**

Division of Continuing Education  
241 College Court Building  
Manhattan, KS 66506-6006

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Water and the Future of  
Kansas Conference**

*March 5, 2002  
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