

Heartland Regional “*Impact Assessment and Achievements in Water Quality Protection*” Workshop

Lied Lodge & Conference Center • Nebraska City, NE

June 17-19, 2008

Intended Audience

1. University and ARS research and extension faculty
2. State and federal agency personnel
3. Resource managers and advisors
4. Watershed and conservation groups

Workshop Participant Outcomes

Participants will understand:

1. How sociological factors play a role in water quality protection.
2. Impact assessment procedures used within the region.
3. Impact assessment tools and models used to target and measure achievement.
4. New approaches in assessing achievements made in water protection.

Agenda

Tuesday, June 17th

Conference Room – *West C Corridor (downstairs)* – Please check in to receive your name badge, you will need it for lunch in the dining room.

12:00 pm Lunch – *Provided in the Timber Dining Room*

1:00 Introductions – *Dan Devlin, Kansas State University*
Heartland Project Mission and Objectives
Expected Outcomes of the Workshop

1:15 Why Do We Need Impact Assessment – *Joe Williams, U.S. EPA/ORD/NRMRL*

1:45 Evaluating the Impacts of Educational Programs on Water Quality – *Pete Nowak, University of Wisconsin-Madison*

Impact Assessment Procedures and Tools

2:35 The ABC’s of Building an Assessment: Development, Application, Interpretation, and Utilization of Information. How do we use the assessment to guide future decisions? – *Carol Pilcher, Iowa State University*

3:15 Break

3:30 Making Assessment Work for Watershed Groups, The Science and Social Needs of Assessment – *Bob Broz, University of Missouri*

4:10 Using Water Quality Monitoring to Assess Impacts – *Phil Barnes, Kansas State University*

- 4:50 Using Isotope Techniques to Assess Sediment Sources – *Chris Wilson, University of Iowa*
- 6:00 Dinner – *Timber Dining Room*
- 7:00 Urban Stormwater Requirements and Assessment – *John Stansbury, University of Nebraska and Kent Holm, Douglas County (NE) Environmental Services*

Wednesday, June 18th

6:30 am Breakfast – *Timber Dining Room*

Dan Devlin, Kansas State University to facilitate

Heartland Region CEAP Projects

- 8:00 Understanding the CEAP Program: ARS, CSREES, and NRCS – *Dan Devlin, Kansas State University*
- 8:30 Assessing Changes in Groundwater Nitrate Concentrations in Nebraska – *Roy Spalding, University of Nebraska*
- 9:10 CEAP Project in Cheney Watershed in Kansas “Assessing the Impact of a Strategic Approach to Implementation of Conservation Practices” – *Nathan Nelson, Kansas State University*
- 9:50 Break
- 10:10 Best Management Practices in the CEAP Goodwater Creek Watershed: What, Where, and Why? – *Claire Baffaut, USDA-ARS, Missouri*
- 10:50 Economic and Water Quality Effects of Multiple Conservation Practices in Three Midwest Watersheds – *Catherine Kling, Iowa State University*
- 11:30 CEAP Watershed Assessment Studies in Iowa: Lessons learned from a collaborative effort – *Mark Tomer, USDA-ARS, Iowa*

12:10 pm Lunch – *Timber Dining Room*

Charles Wortmann, University of Nebraska-Lincoln to facilitate

- 1:20 USDA-ARS CEAP Watershed Assessment Studies in Missouri – *Bob Lerch, USDA-ARS, Missouri*

Watershed Models

- 2:00 Using Watershed Models to Assess Watershed Needs and Project Impacts: What Models Are, When to Use Them, Shortcomings and Strengths – *Kyle Mankin, Kansas State University*

Case Study: Using Watershed Models to Target Best Management Practices in the Pomona Lake Watershed in Kansas – *Kyle Mankin, Kansas State University*

- 2:45 Panel Discussion: How Agencies Assess Impact
Assessing EPA 319 Programs – *Steve Schaff, EPA Region 7*
Assessing NRCS Programs – *Mike Kucera, NRCS Nebraska*
Assessing TMDL Implementation – *Tom Stiles, Kansas Department of Health and Environment*
- 3:45 Break To Get Ready For Field Visits
- 4:00 In-Field Visits: SEE HANDOUT
Identifying and Evaluating Critical Areas – *Phil Barnes, Kansas State University*
Assessment Tools for Stream and Field – *Herschel George and Will Boyer, Kansas State University*
- 7:00 Picnic Dinner at the Historic Barns

Thursday – June 19th

6:30 am Breakfast – *Timber Dining Room*

Charles Wortmann, University of Nebraska-Lincoln to facilitate

8:00 Assessing Water Quality Using Handheld Assessment Tools – *Adam Kiel, Iowa Department of Natural Resources*

8:40 Evaluating Watershed Projects – How Will We Know If there is an Impact? – *Don Snethen, Retired, Watershed Management Section, Kansas Department of Health & Environment*

9:10 Break

Discussion

9:30 Break-out discussion, 4 groups – topics yet to be determined

- Room: West A
- Room: West B
- Room: Marcotte
- Room: Conference Room

10:30 Re-Convene to Conference Room and Report Group Discussion (5-10 minutes/group)

11:00 Large Group Discussion for future

11:30 Final Comments, Workshop Concludes