

**U.S. EPA's National Center for Environmental Economics
and National Center for Environmental Research**

Valuation of Ecological Benefits: Improving the Science Behind Policy Decisions

**Wyndham Washington Hotel
1400 M Street, NW
Washington, DC 20005**

October 26 – 27, 2004

Agenda

Tuesday, October 26, 2004

- 8:00 – 8:30 a.m. Registration**
- 8:30 – 8:45 a.m. Introductory Remarks**
Mike Shapiro, Deputy Assistant Administrator for Water
Introduction by: Robin Jenkins, Acting Director, Research and Program Support Division,
National Center for Environmental Economics
- 8:45 – 9:45 a.m. Session I: Selected Ecological Valuation Activities at EPA**
Session Moderator: Will Wheeler, U.S. EPA, National Center for Environmental Research
- 8:45 – 9:00 a.m. *Ecological Benefits Assessment Strategic Plan***
Nicole Owens, U.S. EPA, National Center for Environmental
Economics
- 9:00 – 9:15 a.m. *Science Advisory Board (SAB) Committee on Valuing the Protection
of Ecological Systems and Services***
Angela Nugent, Science Advisory Board Staff Office
- 9:15 – 9:30 a.m. *National Academy of Sciences Report "Valuing Ecosystem Services:
Toward Better Environmental Decision-Making"***
Mark Gibson, National Academy of Sciences
- 9:30 – 9:45 a.m. Questions and Discussion**
- 9:45 a.m. – 12:15 p.m. Session II: Cleaning Our Coastal Waters: Examinations of the Benefits of Improved
Water Quality**
Session Moderator: Shannon Price, U.S. EPA, National Center for Environmental Economics
- 9:45 – 10:10 a.m. *The Value of Improvements to California's Coastal Waters: Results
From a Stated-Preference Survey***
Nicole Owens and Nathalie Simon, U.S. EPA, National Center for
Environmental Economics
Co-Presented by: Nicole Owens and Nathalie Simon
- 10:10 – 10:35 a.m. *The Recreational Benefits of Improvements in New England's Water
Quality: A Regional RUM Analysis***
Erik Helm, U.S. EPA, Office of Water; George Parsons, University of
Delaware; and Tim Bondelid, RTI International
Presented by: Erik Helm
- 10:35 – 10:50 a.m. Break**

- 10:50 – 11:15 a.m.** ***Valuing Water Quality Changes Using a Bioeconomic Model of a Coastal Recreational Fishery***
 Matt Massey and Steve Newbold, U.S. EPA, National Center for Environmental Economics; and Brad Gentner, National Marine Fisheries Service
 Presented by: Matt Massey
- 11:15 – 11:30 a.m.** Discussant: Bob Leeworthy, National Oceanic and Atmospheric Administration
- 11:30 – 11:45 a.m.** Discussant: Nancy Bockstael, University of Maryland
- 11:45 a.m. – 12:15 p.m.** **Questions and Discussion**
- 12:15 – 1:45 p.m.** **Lunch (On Your Own) and Keynote Address (To Begin at 1:00 p.m.)**
The Economics of Ecosystem Services
 Geoffrey Heal, Columbia University
 Introduction by: Al McGartland, Director, National Center for Environmental Economics
- 1:45 – 4:55 p.m.** **Session III: Keeping Water Fresh: The Value of Improved Fresh Water Quality**
 Session Moderator: Rich Iovanna, U.S. EPA, National Center for Environmental Economics
- 1:45 – 2:10 p.m.** ***Valuing Water Quality in Midwestern Lake Ecosystems: Temporal Stability and the Role of Information in Value Formation***
 Kevin Egan, Joseph Herriges, Cathy Kling, and John Downing, Iowa State University
 Presented by: Joseph Herriges
- 2:10 – 2:35 p.m.** ***Measuring Economic Benefits for Amenity Consequences of Land Cover Changes***
 Raymond B. Palmquist, Daniel J. Phaneuf, and V. Kerry Smith, North Carolina State University
 Presented by: V. Kerry Smith
- 2:35 – 2:50 p.m.** Discussant: John Powers, U.S. EPA, Office of Water
- 2:50 – 3:05 p.m.** **Questions and Discussion**
- 3:05 – 3:20 p.m.** **Break**
- 3:20 – 3:45 p.m.** ***Valuation of Natural Resource Improvements in the Adirondacks***
 Spencer Banzhaf, Dallas Burtraw, David Evans, and Alan Krupnick, Resources for the Future
 Presented by: Spencer Banzhaf
- 3:45 – 4:10 p.m.** ***The Value of Regional Water Quality Improvements***
 Kip Viscusi, Harvard University; and Jason Bell and Joel Huber, Duke University
 Presented by: Joel Huber
- 4:10 – 4:25 p.m.** ***A Consistent Framework for Valuation of Wetland Ecosystem Services Using Discrete Choice Models***

J. Walter Milon and David Scrogin, University of Central Florida
Presented by: J. Walter Milon

4:25 – 4:40 p.m. Discussant: Kevin Boyle, University of Maine

4:40 – 4:55 p.m. **Questions and Discussion**

4:55 p.m. **Adjourn**

Evening Option: Informal Dinner:
McCormick and Schmicks
1652 K Street, NW
Washington, DC 20006

*Sign up by 12:00 noon at the registration table.
(Note: Attendees are responsible for their own tabs.)*

Wednesday, October 27, 2004

8:40 – 9:10 a.m. **Registration**

9:10 – 11:30 a.m. **Session IV: Tales of Otters, Eagles, and Owls: Valuing Wildlife Health and Biodiversity**
Session Moderator: Steve Newbold, U.S. EPA, National Center for Environmental Economics

9:10 – 9:35 a.m. *Development of a Contingent Valuation Survey for the Ecological Effects of Exposure to PCBs*
James Hammitt and Katherine von Stackelberg, Harvard University
Presented by: James Hammitt

9:35 – 10:00 a.m. *Predicting and Valuing Species Populations in an Integrated Economic/Ecosystem Model*
John Tschirhart and David Finnoff, University of Wyoming

10:00 – 10:15 a.m. **Break**

10:15 – 10:30 a.m. *Integrated Modeling and Ecological Valuation*
David S. Brookshire, University of New Mexico; Juliet Stromberg, Arizona State University; Arriana Brand, Colorado State University; Janie Chermak, University of New Mexico; David Goodrich, Arizona Research Service; Thomas Maddock III, University of Arizona; Steven Stewart, University of Arizona

10:30 – 10:45 a.m. Discussant: David Simpson, U.S. EPA, National Center for Environmental Economics

10:45 – 11:00 a.m. Discussant: Juha Siikimaki, Resources for the Future

11:00 – 11:30 a.m. **Questions and Discussion**

11:30 a.m. – 12:30 p.m. **Lunch**

12:30 – 2:55 p.m. **Session V: Conservation and Urban Growth: Finding the Balance**

Session Moderator: Elizabeth Kopits, U.S. EPA, National Center for Environmental Economics

- 12:30 – 12:55 p.m.** *Applying Economic and Ecological Principles To Identify Conservation Reserves for Vernal Pools With Residential Development*
Dana Marie Bauer, Yong Jiang, Stephen K. Swallow, Peter Paton, and Dennis Skidds, University of Rhode Island
Presented by: Stephen K. Swallow
- 12:55 – 1:20 p.m.** *Private Land Conservation Decisions: The Role of Information and Public Lands*
Amy Ando, University of Illinois at Urbana-Champaign; and Heidi Albers, Oregon State University
Presented by: Amy Ando
- 1:20 – 1:30 p.m.** **Break**
- 1:30 – 1:55 p.m.** *On the Role of Spatial Externalities in Urban Growth: An Application of Continuous Time Model Using Discrete Time Satellite Data*
Rich Iovanna, U.S. EPA, National Center for Environmental Economics; and Colin Vance, German Aerospace Center, Institute of Transportation Research
Presented by: Rich Iovanna
- 1:55 – 2:10 p.m.** Discussant: Sabrina Lovell, U.S. EPA, National Center for Environmental Economics
- 2:10 – 2:25 p.m.** Discussant: Andrew Plantinga, Oregon State University
- 2:25 – 2:55 p.m.** **Questions and Discussion**
- 2:55 – 3:10 p.m.** **Break**
- 3:10 – 5:30 p.m.** **Session VI: Methodological Advances in Stated Preference Valuation**
Session Moderator: Kelly Maguire, U.S. EPA, National Center for Environmental Economics
- 3:10 – 3:35 p.m.** *Embedding in the Stated-Preference Methods*
Michael Hanemann, University of California—Berkeley; and Jeff Lazo, National Center for Atmospheric Research
Presented by: Michael Hanemann
- 3:35 – 4:00 p.m.** *Experimental Tests of Provision Rules in Conjoint Analysis for Environmental Valuation*
Laura Taylor, Georgia State University; Kevin Boyle, University of Maine; and Mark Morrison, Charles Sturt University
Presented by: Laura Taylor
- 4:00 – 4:25 p.m.** *Stated-Choice Experiments To Estimate In-Kind Values for Ecosystem Mitigation*
John Hoehn, Frank Lupi, and Michael D. Kaplowitz,

Michigan State University
Presented by: John Hoehn

4:25 – 4:40 p.m.

Discussant: Joseph Cooper, USDA, Economic Research Service

4:40 – 4:55 p.m.

Discussant: Thomas Stevens, University of Massachusetts—Amherst

4:55 – 5:25 p.m.

Questions and Discussion

5:25 – 5:30 p.m.

Final Remarks

5:30 p.m.

Adjourn