

---

**William H. Desvousges, Ph.D.**  
**President**

**W.H. Desvousges & Associates, Inc.**  
168 Spartina Ave.  
St. Augustine, FL 32080  
Phone: 904-217-3534  
Fax: 919-847-7445  
Cell: 919-413-6225

[william.desvousges@whdesvousgesassociates.com](mailto:william.desvousges@whdesvousgesassociates.com)

---

**Employment Chronology**

2005 to date	<b>President</b> W.H. Desvousges & Associates, Inc.
1994 to 2005	<b>President</b> Triangle Economic Research Durham, NC
1996 to 1999	<b>Research Professor</b> Duke University Durham, NC
1989 to 1994	<b>Program Director/Senior Program Director</b> Center for Economics Research Research Triangle Institute Research Triangle Park, NC
1980 to 1989	<b>Senior Economist</b> Center for Economics Research Research Triangle Institute Research Triangle Park, NC
1975 to 1980	<b>Assistant/Associate Professor</b> Department of Economics University of Missouri at Rolla Rolla, MO
1986	<b>Visiting Lecturer</b> Meredith College Raleigh, NC
1984 to 1985	<b>Visiting Lecturer</b> University of North Carolina at Chapel Hill Chapel Hill, NC
1980 to 1984	<b>Visiting Lecturer</b> North Carolina State University Raleigh, NC

## Education

Ph.D., 1977, Economics, Florida State University, Tallahassee, Florida

M.S., 1974, Economics, Florida State University, Tallahassee, Florida

B.A., 1972, Economics, Stetson University, Deland, Florida

## Key Projects

- Use of habitat equivalency analysis in Grand River Ditch damage assessment (Water Supply and Storage Company)
- Use and critique of habitat equivalency analysis for petroleum refinery sites (confidential client)
- Services-based critiques of various groundwater damage assessments in New Jersey (ExxonMobil, Dow Chemical, and others)
- Environmental costing study to develop externality values for fossil fuel sources in resource planning (Xcel Energy)
- Critique of wetlands valuations study that employed benefits transfer using ecosystem services (Kean Miller)
- Critique of Trustee contingent valuation study of alleged aesthetic and ecological injuries in the Illinois River Watershed (Tyson Foods, Inc.)
- Assessment of potential recreation use losses in Illinois River Watershed (Tyson Foods, Inc.)
- Critique of the use of habitat equivalency analysis for historical mining site (Confidential Client)
- Prepared alternative natural resource damage estimates for key mining and smelting sites (ASARCO, Inc.)
- Groundwater damages at the South Valley Superfund Site in New Mexico (General Electric Company)
- Evaluation of the use of contingent valuation surveys to measure diminished property values in Mississippi (confidential client)
- Evaluation of market and survey-based methods for measuring damages from underground storage tanks (USTs) to both residential and commercial properties (confidential client)

- The role of individual factors in using market and survey-based methods for measuring potential damages to classes of residential properties in Colorado Springs, Colorado (Davis Graham Stubbs)
- The role of individual factors in using market and survey-based methods for measuring both residential and commercial properties in Oklahoma (confidential client)
- Comments on the benefit estimates of EPA's proposed Phase II 316(b) Rule (The Utility Water Act Group)
- Benefit-cost analysis of various regulatory alternatives for 316(b) compliance in Connecticut" (confidential client)
- Benefit-cost analysis of 316(b) regulatory alternatives in California (confidential client)
- Creel/angler survey on the Lower Passaic River (Tierra Solution)
- Review of New Jersey's groundwater damage assessment formula (New Jersey Site Remediation Industry Network)
- Environmental costs for particulate matter and mercury: an assessment of the recent literature (Xcel Energy)
- NRDA for a major waterway in the Northeast (confidential client)
- Alternative Santa Clara River HEA (confidential client)
- Saginaw Bay and River natural resource damage assessment (General Motors)
- Evaluating the reliability of contingent valuation (U.S. Environmental Protection Agency)
- Measuring environmental costs for resource planning (Northern States Power Company)
- Natural resource damage assessment for Lavaca Bay, Texas (Alcoa)
- Natural resource damage assessment for the Clark Fork Basin in Montana (ARCO)
- Using conjoint analysis to value health (Health Canada et al.)
- Wisconsin Energy Research Project (consortium of Wisconsin utilities)
- Fox River natural resource damage assessment (Fox River Group)
- Kalamazoo River natural resource damage assessment (Kalamazoo River Study Group)

- St. Lawrence River-Massena natural resource damage assessment (Reynolds, Alcoa, General Motors)
- Wisconsin externalities costing: principles & practices (Task Force on Externality Costing, Wisconsin utilities)
- Measuring benefits of the effluent guidelines: an evaluation of the benefits transfer technique (Office of Science and Technology, U.S. Environmental Protection Agency)
- Information, risk perception, and mitigation: behavioral responses to environmental risk (National Science Foundation)
- Natural resource damage assessments for the Martinez, California; Gasconade River, Missouri; and Arthur Kill, New Jersey Oil Spills (various clients)
- Communicating risk effectively (Office of Policy Planning and Evaluation, U.S. Environmental Protection Agency)
- Valuing reductions in hazardous waste risks (Office of Policy Analysis, U.S. Environmental Protection Agency)
- Evaluating risks of a high-level nuclear waste repository (State of Nevada)
- A comparison of benefit estimation approaches (Office of Policy Analysis, U.S. Environmental Protection Agency)

## **Expert Reports**

- Expert Report of William H. Desvousges in the Matter of *Matter of Jay Burdick, Connie Plouffe, Edward Plouffe, Frank Seymour, Emily Marpe, as parent and natural guardian of E.B., an infant, and G.Y., an infant, Jacqueline Monette, William Sharpe, Edward Perroti-Sousis, Mark Denué, and Megan Dunn, individually, and on behalf of all similarly situated v. Tonoga, Inc. (d/b/a Taconic)*. March 2018.
- Critique of Earth Economics Technical Report: Economic Valuation of Environmental Impacts Associated with Pipeline Canals Located on Vintage Assets, Inc. Property. In the Matter of *Vintage Assets, Inc. et al. v. Tennessee Gas Pipeline Company, LLC. No. 16-cv-00713, United States District Court, Eastern District of Louisiana*. April 20, 2017.
- Groundwater Assessment in the Matter of *State of Alaska and City of North Pole v. Williams Alaska Petroleum, Inc. et al.* December 14, 2016.
- Evaluation of the Adequacy of the Fox River NRD Settlements. September 2, 2016.

- Estimating Externality Values: The Damage Cost Approach. Prepared for: Xcel Energy. Prepared by: William H. Desvousges, H. Spencer Banzhaf, Holly J. Michael, Ralph E. Morris and Anne D. Chance. August 5, 2015.
- Critique of Mr. Daniel Selby's Letter Report on Punitive Damages for the Dunkard Creek September 2009 Event. In the Matter of *Commonwealth of Pennsylvania, Pennsylvania Fish and Boat Commission vs. Consol Energy, Inc., Consolidation Coal Company, and Winsor Coal Company*. Civil Action No. 8 11-C-556. April 6, 2015.
- Critique of the 2011 Pennsylvania Fish and Boat Commission Biological Damage Assessment for the Pennsylvania Portion of Dunkard Creek. In the Matter of *Commonwealth of Pennsylvania, Pennsylvania Fish and Boat Commission vs. Consol Energy, Inc., Consolidation Coal Company, and Winsor Coal Company*. Civil Action No. 8 11-C-556. February 27, 2015.
- Expert Report of William H. Desvousges, Ph.D. In the Matter of *New Jersey Department of Environmental Protection, et al. v. Exxon ST Services Terminal, Paulsboro, NJ*. May 2014.
- Non Site-Specific Expert Report of Dr. William H. Desvousges. In Re *MTBE Products Liability Litigation, Commonwealth of Puerto Rico, et al. v. Shell Oil Co., et al.*, 07-civ-10470. January 22, 2014.
- Declaration of William H. Desvousges, Ph.D. in the Matter of *New Jersey Department of Environmental Protection vs. Exxon Mobil Corporation*. Superior Court of New Jersey. November 2013.
- Expert Report of William H. Desvousges, Ph.D. in the Matter of *Harris County v. International Paper Company, et al.* (Harris County District Court Case No. 2011-76724); *Dao Van Pho, et al. v. International Paper Company, et al.* (Harris County District Court Case No. 2012-58016); *Jim Harpster, et al. v. International Paper Company, et al.* (Harris County District Court Case No. 2012-66308). August 15, 2013.
- Expert Report of William H. Desvousges in the Matter of *the New Jersey Department of Environmental Protection, Commissioner of the New Jersey Department of Environmental Protection and the Administrator of the New Jersey Spill Compensation Fund v. Atlantic Richfield Company, et al.* February 8, 2013.
- Affidavit of William H. Desvousges, Ph.D. in the Matter of *Commissioner of the Department of Planning and Natural Resources, et al. v. Century Aluminum Company, et al.* Civil No. 2005-0062.
- Reply Affidavit of William H. Desvousges, Ph.D. in the Matter of *Thomas H. Ivory, Thomas P. Ivory, Shawn (Ivory) Stevens, Tami Lynn (Ivory) Azouri, Emmanuel Odom, Grace Odom, and James Odom v. International Business Machines Corporation*. Supreme Court of the State of New York, Country of Broome. June 20, 2012.

- Expert Rebuttal Report in the Matter of *Commissioner of the Department of Planning and Natural Resources, Alicia V. Barnes, et al. v. Virgin Islands Alumina Co., et al.* May 30, 2012
- Affidavit of William H. Desvousges, Ph.D. in the *Matter of Thomas H. Ivory, Thomas P. Ivory, Shawn (Ivory) Stevens, Tami Lynn (Ivory) Azouri, Emmanuel Odom, Grace Odom, and James Odom v. International Business Machines Corporation.* Supreme Court of the State of New York, Country of Broome. May 1, 2012.
- Expert Report of William H. Desvousges, Ph.D. In the *Matter of Betty Jean Cole, et al. v. Asarco Incorporated, et al.* July 29, 2011.
- Critique of Dr. Barnthouse's Report: Estimation of Natural Resource Losses Related to Oil Field Development in the Concession in the Case of *Maria Aguinda y Otros v. Chevron Corporation.* September 28, 2010.
- Expert Report of William H. Desvousges, Ph.D. In the Matter of *New Jersey Department of Environmental Protection, et al. v. Union Carbide Corporation, et al.* August 13, 2010.
- Expert Report in the Matter of *The Quapaw Tribe of Oklahoma, et al. v. Blue Tee Corp, et al.* June 25, 2010.
- Expert Report in the Matter of *New Jersey Department of Environmental Protection, et al. v. Essex Chemical Corporation.* Superior Court of New Jersey Law Division - Middlesex County Docket No: MID-L-5685-07. January 8, 2010.
- Expert report in the Matter of *DeLeo, et al. v. Bouchard Transportation Co., et al.* December 15, 2009.
- Expert report in the Matter of *Abrams, et al. v. Ciba Specialty Chemicals Corp, et al.* The United States District Court Southern District Of Alabama. CASE NO. 08-68-WS-B. May 15, 2009.
- Rebuttal expert report in the Matter of *Robert C. Brandriff, et al. v. Dataw Island Owners' Association, Inc., et al.* Civil Action No. 9:07-3361-CWH. April 27, 2009.
- Expert report in the Matter of *STATE OF OKLAHOMA, ex. rel. W.A. DREW EDMONDSON, in his capacity as ATTORNEY GENERAL OF THE STATE OF OKLAHOMA and OKLAHOMA SECRETARY OF THE ENVIRONMENT, J.D. Strong, in his capacity as the TRUSTEE FOR NATURAL RESOURCSE FOR THE STATE OF OKLAHOMA, Plaintiffs v. TYSON FOODS, INC., TYSON POULTRY, INC., TYSON CHICKEN, INC., COBB-VANTRESS, INC., AVIAGEN, INC., CAL-MAINE FOODS, INC., CAL-MAINE FARMS, INC., CARGILL, INC., CARGILL TURKEY PRODUCTION, LLC, GEORGE'S INC., GEORGE'S FARMS, INC., PETERSON FARMS, INC., SIMMONS FOODS INC., and WILLOW BROOK FOODS, INC., Defendants.* Case No. 05-CV-329-GKF-PJC. March 31, 2009.

- Report prepared in Response to Request for Comments on Regulatory Review Alternatives: The Value of Cost-Benefit Analysis. Utility Water Act Group. March 31, 2009.
- Expert report in the Matter of *Robert C. Brandriff, et al. v. Dataw Island Owners' Association, Inc., et al.* Civil Action No. 9:07-3361-CWH. December 1, 2008.
- Affidavit of William H. Desvousges, Ph.D. in the Matter of *Jeff Alban, et al. v. ExxonMobil Corporation, et al.* Submitted to the In Circuit Court for Baltimore County. Case No.:03-C-06-010932
- Affidavit of William H. Desvousges, Ph.D. in Support of Defendants' Opposition to Motion for Class Certification in the Matter of *Murray Gintis, Victoria Gintis and Claudia Martin on behalf of themselves and all others similarly situated v. Bouchard Transportation Company, Inc., Tug Evening Tide Corporation and B. NO. 120 Corporation.* Submitted to the United States District Court for the District of Massachusetts. Civil Action No. 06-10747-JLT. July 29.
- Expert Report of William H. Desvousges, Ph.D. Submitted in Support of Defendants' Opposition to Plaintiffs' Motion for Partial Summary Judgment in the Matter of *Murray Gintis, Victoria Gintis and Claudia Martin on behalf of themselves and all others similarly situated v. Bouchard Transportation Company, Inc., Tug Evening Tide Corporation and B. NO. 120 Corporation.* July 10.
- Rebuttal Expert Report of William H. Desvousges, Ph.D. in the Matter of *USA v. Water Supply & Storage.* October 24, 2007.
- Expert Report of William H. Desvousges, Ph.D. in the Matter of *USA v. Water Supply & Storage.* September 27, 2007.
- Expert Reports in the Matter of *Official Committee of Unsecured Creditors v. ASARCO LLC (In re ASARCO LLC), Case No. 05-21207.*
  - Estimate of Environmental Liabilities. California Gulch Superfund Site. Leadville, Colorado. Prepared by ENVIRON International Corporation, Chicago, Illinois and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. May 4, 2007.
  - Estimate of Environmental Liabilities. Bunker Hill Superfund Facility/Coeur d'Alene Basin. Idaho/Washington. Prepared by ENVIRON International Corporation Chicago, Illinois and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. June 15, 2007.
  - Estimate of Environmental Liabilities. Tacoma Smelter Site. Tacoma, Washington. Prepared by ENVIRON International Corporation Chicago, Illinois and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. June 15, 2007.

- Estimate of Environmental Liabilities. Everett Smelter Site. Everett, Washington. Prepared by ENVIRON International Corporation Chicago, Illinois and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. June 15, 2007.
- Rebuttal Expert Report. California Gulch Superfund Site. Leadville, Colorado. Prepared for Milbank, Tweed, Hadley & McCloy LLP. On behalf of ASARCO Incorporated. Prepared by ENVIRON International Corporation Chicago, Illinois and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. June 22, 2007.
- Estimate of Environmental Liabilities. Nueces Bay/Corpus Christi Bay. Corpus Christi, Nueces County, Texas. Prepared by ENVIRON International Corporation St. Peters, Missouri and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. July 27, 2007.
- Estimate of Environmental Liabilities. Big River Mine Tailings and Federal Mine Tailings Sites. St. Francois County, Missouri. Prepared by ENVIRON International Corporation St. Peters, Missouri and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. July 27, 2007.
- Estimate of Environmental Liabilities. Catherine Mine Site/Madison County Mines Site. Madison County, Missouri. Prepared by ENVIRON International Corporation St. Peters, Missouri and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. July 27, 2007.
- Estimate of Environmental Liabilities. Glover Lead Facility. Glover, Missouri. Prepared by ENVIRON International Corporation St. Peters, Missouri and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. July 27, 2007.
- Estimate of Environmental Liabilities. Sweetwater Mine Site. Reynolds County, Missouri. Prepared by ENVIRON International Corporation St. Peters, Missouri and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. July 27, 2007.
- Estimate of Environmental Liabilities. West Fork Mine Site. Reynolds County, Missouri. Prepared by ENVIRON International Corporation St. Peters, Missouri and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. July 27, 2007.
- Estimate of Environmental Liabilities. Tar Creek Site. Ottawa County, Oklahoma. Prepared by ENVIRON International Corporation St. Peters, Missouri and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. July 27, 2007.

- Estimate of Environmental Liabilities. Cherokee County Superfund Site. Cherokee County, Kansas. Prepared by ENVIRON International Corporation St. Peters, Missouri and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. July 27, 2007.
- Estimate of Environmental Liabilities. Newton County Mine Tailings Site. Newton County, Missouri. Prepared by ENVIRON International Corporation St. Peters, Missouri and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. July 27, 2007.
- Estimate of Environmental Liabilities. Jasper County Superfund Site. Jasper County, Missouri. Prepared by ENVIRON International Corporation St. Peters, Missouri and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. On behalf of ASARCO Incorporated. July 27, 2007.
- Rebuttal Expert Report. Bunker Hill Superfund Facility/Coeur d'Alene Basin. Idaho/Washington. Prepared for Milbank, Tweed, Hadley & McCloy LLP. On behalf of ASARCO Incorporated. Prepared by W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. August 10, 2007.
- Rebuttal Expert Report. Tacoma Smelter Site. Tacoma, Washington. Prepared for Milbank, Tweed, Hadley & McCloy LLP. On behalf of ASARCO Incorporated. Prepared by ENVIRON International Corporation Chicago, Illinois and W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. August 14, 2007.
- Rebuttal Expert Report. Nueces Bay/Corpus Christi Bay Corpus Christi, Nueces County, Texas. Prepared for Milbank, Tweed, Hadley & McCloy LLP. On behalf of ASARCO Incorporated. Prepared by W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. September 17, 2007.
- Rebuttal Expert Report. Tri-State Sites. Prepared for Milbank, Tweed, Hadley & McCloy LLP. On behalf of ASARCO Incorporated. Prepared by W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. September 17, 2007.
- Rebuttal Expert Report. East Helena Superfund Site, East Helena, Montana. Prepared for Milbank, Tweed, Hadley & McCloy LLP. On behalf of ASARCO Incorporated. Prepared by W.H. Desvousges & Associates, Inc. Raleigh, North Carolina. November 2, 2007.
- Expert Report in the Matter of *New Jersey Department of Environmental Protection and Acting Administrator, New Jersey Spill Compensation Fund v. Higgins Disposal, et al.* March 16, 2006.

- Expert Report in the Matter of *New Jersey Department of Environmental Protection and Acting Administrator, New Jersey Spill Compensation Fund v. Exxon Mobil Corporation, et al.* March 3, 2006.
- Expert Affidavit of William H. Desvousges In Support Of Defendant's Opposition To Plaintiffs' Motion For Partial Summary Judgment in the Matter of *New Jersey Department of Environmental Protection and Administrator New Jersey Spill Compensation fund v. Exxon Mobil Corporation.* February 17, 2006.
- Expert Report in the Matter of *Fisher, et al. v. Ciba Corporation.* February 15, 2006.
- Expert Report in the Matter of *Perrine, et al. v. E.I. DuPont De Nemours and Company, et al.* February 3, 2006.
- Expert Report in the Matter of *Estate of David Hill, et al. v. Koppers Industries, Inc., et al.* January 26, 2006.
- Second Expert Report in the Matter of *Allgood, et al. v. General Motors Corporation.* September 29, 2005.
- Expert Report in the Matter of *Jackson, et al. v. Johnson Electric Automotive, Inc., et al.* August 15, 2005.
- Expert Report in the Matter of *Beck, et al. v. Koppers Industries, Inc., et al.* August 1, 2005.
- Declaration of William H. Desvousges, Ph.D. Pursuant to 28 U.S.C. § 1746. April 15, 2005.
- Supplemental Report in the Matter of *Palmisano, et al. v. Olin Corporation.* February 7, 2005.
- Expert Report in the Matter of *Allgood, et al. v. General Motors Corporation.* January 17, 2005.
- Expert Report in the Matter of *LaBauve, et al. v. Olin Corporation.* December 10, 2004.
- Expert Report in the Matter of *Cole, et al. v. ASARCO, et al.* August 23, 2004.
- Expert Report in the Matter of *Daniels, et al. v. Olin Corporation.* August 16, 2004.
- Expert Report in the Matter of *Kellum, et al. v. Kuhlman Corporation, et al.* July 2003.
- Expert Report in the Matter of *Susann Stalcup, et al. v. Schlage Lock Company, et al.* April 1, 2003.

- Expert Report in the Matter of *Muise/Tzannetakis, et al. v. GPU Energy*. December 2, 2002.
- Expert Report in the Matter of *State of New Mexico v. General Electric Company, et al.* February 1, 2002.
- Expert Report in the Matter of *Major Andrews, et al. v. Kerr-McGee Corporation, Inc., et al.* June 29, 2001.
- Expert Report: *Volume I: Critique of the State of Montana's Contingent Valuation Study*. 1995. Submitted to United States District Court, District of Montana, Helena Division in the Matter of *State of Montana v. Atlantic Richfield Company*. Case No. CV-83-317-HLN-PGH.
- Expert Report: *Volume II: Critique of the State of Montana's Recreation Study*. 1995. Submitted to United States District Court, District of Montana, Helena Division in the Matter of *State of Montana v. Atlantic Richfield Company*. Case No. CV-83-317-HLN-PGH.
- Expert Report of William H. Desvousges and Steven M. Waters: *Volume III: Report on Potential Economic Losses Associated with Recreation Services in the Upper Clark Fork River Basin*. 1995. Submitted to United States District Court, District of Montana, Helena Division in the Matter of *State of Montana v. Atlantic Richfield Company*. Case No. CV-83-317-HLN-PGH.
- Expert Report: *Volume IV: Critique of the State of Montana's Groundwater Valuation*. 1995. Submitted to United States District Court, District of Montana, Helena Division in the Matter of *State of Montana v. Atlantic Richfield Company*. Case No. CV-83-317-HLN-PGH.
- Expert Report: *Volume V: Report on Potential Economic Losses Associated with Groundwater*. 1995. Submitted to United States District Court, District of Montana, Helena Division in the Matter of *State of Montana v. Atlantic Richfield Company*. Case No. CV-83-317-HLN-PGH.
- Expert Report of William H. Desvousges and Steven M. Waters: *Volume VI: Additional Economic Critique of the State of Montana's Damage Estimates*. 1995. Submitted to United States District Court, District of Montana, Helena Division in the Matter of *State of Montana v. Atlantic Richfield Company*. Case No. CV-83-317-HLN-PGH.

## Testimony

Provided expert witness deposition testimony in the Matter of *Vintage Assets, Inc. et al. v. Tennessee Gas Pipeline Company, LLC. No. 16-cv-00713, United States District Court, Eastern District of Louisiana*. June 14, 2017.

Provided expert witness deposition testimony in the Matter of *State of Alaska and City of North Pole v. Williams et al.* In the Superior Court for the State of

Alaska Fourth Judicial District at Fairbanks Case No. 4FA-14-01544 CI. March 7, 2017.

Provided expert witness deposition testimony in the Matter of *United States of America and the State of Wisconsin v. NCR Corporation, et al.* In The United States District Court for the Eastern District of Wisconsin Green Bay Division. Civil Action No. 10-C-910. October 26, 2016.

Provided expert witness testimony in the Matter of the Further Investigation into Environmental and Socioeconomic Costs Under Minnesota Statutes Section 216B.2422, Subdivision 3. State of Minnesota. Office of Administrative Hearings for the Public Utilities Commission. January 2016. Additional testimony provided to the Minnesota Public Utilities Commission. July 25 and 27, 2017.

Provided expert witness testimony in the Matter of *New Jersey Department of Environmental Protection and Administrator, New Jersey Spill Compensation Fund v. Exxon Mobil Corporation.* June 2014.

Provided expert witness deposition testimony in the Matter of the *New Jersey Department of Environmental Protection, Commissioner of the New Jersey Department of Environmental Protection and the Administrator of the New Jersey Spill Compensation Fund v. Atlantic Richfield Company, et al.* May 7 and 8, 2013.

Provided expert witness deposition telephonic deposition in the *Matter of Betty Jean Cole, et al. v. Asarco Incorporated, et al.* September 8, 2011.

Provided expert witness testimony In the *Matter of New Jersey Department of Environmental Protection, et al. v. Union Carbide Corporation, et al.* October 2010.

Provided expert witness deposition testimony In the *Matter of New Jersey Department of Environmental Protection, et al. v. Union Carbide Corporation, et al.* September 9, 2010.

Provided expert witness deposition testimony in the Matter of *The Quapaw Tribe of Oklahoma, et al. v. Blue Tee Corp, et al.* The United States District Court For The Northern District Of Oklahoma. Case No. 03-CV-0846-CVE-PJC. June 29, 2010.

Provided expert witness testimony in the Matter of *DeLeo, et al. v. Bouchard Transportation Co., et al.* March 30, 2010.

Provided expert witness testimony in the Matter of *New Jersey Department of Environmental Protection, et al. v. Essex Chemical Corporation.* Superior Court of New Jersey Law Division - Middlesex County Docket No: MID-L-5685-07. March 25, 2010.

Provided expert witness telephonic deposition testimony in the Matter of *Abrams, et al. v. Ciba Specialty Chemicals Corp, et al.* The United States

District Court Southern District Of Alabama. CASE NO. 08-68-WS-B. St. Augustine, FL. June 15, 2009.

Provided expert witness deposition testimony in the Matter of *STATE OF OKLAHOMA, ex. rel. W.A. DREW EDMONDSON, in his capacity as ATTORNEY GENERAL OF THE STATE OF OKLAHOMA and OKLAHOMA SECRETARY OF THE ENVIRONMENT, J.D. Strong, in his capacity as the TRUSTEE FOR NATURAL RESOURCSE FOR THE STATE OF OKLAHOMA, Plaintiffs v. TYSON FOODS, INC., TYSON POULTRY, INC., TYSON CHICKEN, INC., COBB-VANTRESS, INC., AVIAGEN, INC., CAL-MAINE FOODS, INC., CAL-MAINE , FARMS, INC., CARGILL, INC., CARGILL TURKEY PRODUCTION, LLC, GEORGE'S INC., GEORGE'S FARMS, INC., PETERSON FARMS, INC., SIMMONS FOODS INC., and WILLOW BROOK FOODS, INC. Defendants.* Case No. 05-CV-329-GKF-PJC. May 14, 2009.

Provided expert witness deposition testimony in the *Matter of Robert C. Brandriff, et al. v. Dataw Island Owners' Association, Inc., et al.* Civil Action No. 9:07-3361-CWH. April 2009.

Provided expert witness deposition testimony in the *Matter of USA v. Water Supply & Storage.* November 28, 2007.

Provided expert witness deposition testimony in the *Matter of Official Committee of Unsecured Creditors v. ASARCO LLC (In re ASARCO LLC), Case No. 05-21207.* Bunker Hill Superfund Facility/Coeur d'Alene Basin. Idaho/Washington. Settlement Hearing. October 9-12, 2007.

Provided expert witness testimony in the *Matter of Official Committee of Unsecured Creditors v. ASARCO LLC (In re ASARCO LLC), Case No. 05-21207.* Bunker Hill Superfund Facility/Coeur d'Alene Basin. Idaho/Washington. Deposition. September 26, 2007.

Provided expert witness testimony in the *Matter of Official Committee of Unsecured Creditors v. ASARCO LLC (In re ASARCO LLC), Case No. 05-21207.* California Gulch Superfund Site Settlement Hearing. July 27, 2007.

Provided expert witness testimony in the *Matter of Official Committee of Unsecured Creditors v. ASARCO LLC (In re ASARCO LLC), Case No. 05-21207.* California Gulch Superfund Site Deposition. July 24, 2007.

Provided expert witness testimony in the *Matter of New Jersey Department of Environmental Protection and Acting Administrator, New Jersey Spill Compensation Fund v. Exxon Mobil Corporation, et al.* March 28, 2006.

Provided expert witness testimony in the *Matter of Fisher, et al. v. Ciba Corporation.* March 2, 2006.

Provided expert witness deposition testimony in the *Matter of Allgood, et al. v. General Motors Corporation.* February 15, 2006.

Provided expert witness deposition testimony in the Matter of *Palmisano, et al. v. Olin Corporation*. February 23, 2005.

Provided expert witness deposition testimony in the Matter of *LaBauve, et al. v. Olin Corporation*. Civil No. 03-567 in the U.S. District Court, Southern District of Alabama. February 14, 2005.

Provided expert witness deposition testimony in the Matter of *Betty Jean Cole, et al. v. ASARCO Incorporated, et al.* Case No. 03-CV-327(H) M in the U.S. District Court, Northern District of Oklahoma. October 8, 2004.

Provided expert witness deposition testimony in the Matter of *Daniels, et al. and Palmisano, et al. v. Olin Corporation, et al.* Case No. C 03-01211 RMW in the U.S. District Court, Northern District of California, San Jose Division. September 21 and 22, 2004 and February 23, 2005.

Provided expert witness testimony and participated in Daubert hearing in the Matter of *State of New Mexico v. General Electric Company, et al.* Case No. CIV 99-1254, Case No. CIV 99-1118. Consolidated by Order dated June 14, 2000. January 2004.

Provided testimony to the Public Service Commission of Wisconsin in the Matter of "Application of Wisconsin Electric Power Company; Wisconsin Energy Corporation; and W.E. Power, LLC for a Certificate of Public Convenience and Necessity for Construction of Three Large Electric Generation Facilities, the Elm Road Generating Station, and Associated High Voltage Transmission Interconnection Facilities to be Located in Milwaukee and Racine Counties. Docket No. 05-CE-130. September 8, 2003.

Provided expert witness deposition testimony in the Matter of *Kellum, et al. v. Kuhlman Corporation, et al.* Civil Action No. 2001-0313 through 2001-324 in the Circuit Court of Copiah County, Mississippi. August 19 and August 20, 2003.

Provided expert witness deposition testimony in the Matter of *Susann Stalcup, Craig Lewis and Sharon Lewis v. Schlage Lock Company, Ingersoll-Rand Company and Eagle-Picher Industries, Inc.* Case No. 02-RB01188(OES). June 12, 2003.

Provided expert witness deposition testimony in the Matter of *Mary Louise Fairey, et al. v. the Exxon Corporation, Standard Oil Company, et al.* Case No. 94-CP-38-118. March 13 and June 3, 2003.

Provided expert witness deposition testimony in the Matter of *Muise/Tzannetakis, et al. v. GPU Energy*. January 22, 2003.

Provided expert witness deposition testimony in the Matter of *Andrews, et al. v. Kerr-McGee Corporation, et al.* Civil Action No. 1:00-CV-00158-B-A in the U.S. District Court, Northern District of Mississippi, Eastern Division. October 16, 2001.

Provided expert witness deposition testimony in the Matter of *State of New Mexico v. General Electric Company, et al.* Case No. CIV 99-1254, Case No. CIV 99-1118. Consolidated by Order dated June 14, 2000.

Provided expert witness deposition testimony in the Matter of *State of Montana v. Atlantic Richfield Company* in the U.S. District Court, District of Montana, Helena Division. Case No. CV-83-317-HLN-PGH. July 13, 1995. Rebuttal Testimony provided February 1, 1996.

Provided testimony on the Matter of "The Role of Contingent Valuation in Natural Resource Damage Assessment" before the U.S. House of Representatives Subcommittee on Commerce, Trade, and Hazardous Materials. June 20, 1995.

Provided testimony before the Public Utilities Commission of the State of Minnesota in the Matter of "The Quantification of Environmental Costs." Docket No. E-999/CI-93-583. Testimony in November 1994. Rebuttal in March 1995, and Sur-rebuttal in April 1995.

Testified before the National Oceanic and Atmospheric Administration (NOAA) Contingent Valuation Panel in the Matter of "Using CV to Measure Nonuse Damages: An Assessment of Validity and Reliability." August 12, 1992.

Provided testimony to Wisconsin Public Service Commission in the Matter of "Accounting for Environmental Externalities in Electric Utility Planning." November 26, 1991.

## **Areas of Specialization**

### **Property Valuation**

Prepared expert report that critiqued reports provided by the plaintiff's economic experts in a lawsuit alleging groundwater contamination at a Superfund site in the western U.S. Created a sophisticated hedonic property value model demonstrating that the Superfund site had no effect on residential property values.

Performed statistical analyses of changes in property values as a result of mandatory membership in a golf club.

In several states, directed projects evaluating the use of surveys to measure diminished property values, commercial and residential property values, potential damages to residential and commercial properties, and potential damages from various contaminants.

Critiqued the contingent valuation survey of a plaintiff's expert in a series of lawsuits alleging property damages caused by a wood-treating facility in Mississippi. Demonstrated that the survey is unreliable for use in litigation.

## **Natural Resource Damage Assessment**

Assisted in NRD assessment for a process-water release (Mosaic).

Performed and critiqued habitat equivalency analysis studies.

Prepared assessment of proposed changes to DOI NRDA rules.

Developed comprehensive assessment plans for complex assessments for a wide range of sites.

Performed preliminary assessments for both oil-spill and hazardous-waste sites.

Designed state-of-the-art studies to measure potential losses for recreation and groundwater services. Studies included data-collection protocols and implementation.

Performed critical analyses of studies that used contingent valuation to measure nonuse values.

Designed and directed studies to measure potential recreation losses and to evaluate potential restoration gains.

Critiqued the transfer study used by the plaintiff's expert in a Louisiana lawsuit seeking restoration funds to convert floatant freshwater marsh habitat to uplands. Provided an alternative estimate of the value of the wetlands.

## **Benefit/Cost Analysis**

Prepared comments on EPA's Proposed Survey to Estimate the Potential Benefits of Alternative Cooling Water Intake Policies for the Utility Water Act Group. Prepared in conjunction with NERA Consulting Group. September 2010.

Prepared comments to Office of Management and Budget on potential revisions to benefit cost analyses of governmental regulations for the Utility Water Act Group.

Prepared comments on economic issues in EPA's proposed 316(b) regulations for The Utility Water Act Group.

Directed a benefit analysis of technology-based effluent guidelines for municipal and industrial dischargers.

Directing projects to measure benefits of 316(b) regulatory alternatives for several utility clients

Served on peer review committee associated with benefits transfer data needs for Environment Canada.

Served as peer reviewer on benefits transfer for Ontario Ministry of the Environment.

Directed a feasibility study of using benefit-cost techniques to assist in the planning of estuaries cleanup. The study used case studies of two estuaries: the Albemarle and Pamlico Sounds.

Prepared a handbook on benefit-cost assessment for water programs that included chapters on measuring benefits and costs, selecting a discount rate, and assembling a benefit-cost assessment.

Compared alternative approaches for estimating the recreation and related benefits of the Monongahela River in Pennsylvania. Developed a survey questionnaire to measure recreation, user, option, and existence benefits for different levels of water quality. The survey design enabled a comparison of bidding games, direct-question, and contingent-ranking techniques for measuring benefits. Used clustered sampling techniques to sample 393 households, and compared the direct survey results with benefits estimates derived from an indirect estimation technique.

### **Survey Design and Management**

During the past 25 years, designed and managed large-scale surveys. Experienced in using bidding games, direct-question, contingent-ranking, and discrete-choice techniques for measuring benefits of natural resource and environmental policies. Directed focus groups to determine appropriate terminology, to evaluate the effectiveness of alternative visual aids used in the surveys, and to assess the various survey issues. Developed surveys to evaluate the following:

- Health benefits from reduced cardiac and respiratory morbidity using conjoint analysis
- Market penetration for “green” products using conjoint analysis
- Customer willingness to pay for “greener” electricity using conjoint analysis
- The role of quality-of-life measures in the benefits of improved life extension
- Natural resource damages
- Risk-communication effectiveness
- Radon risk perceptions and willingness to pay to reduce perceived risks
- Benefits of hazardous waste management regulations
- Risk perceptions related to the proposed siting of a nuclear waste repository and willingness to pay to reduce those perceived risks
- Recreation benefits demand
- Recreation, user, and option benefits for different levels of water quality

## **Environmental Costing**

Provided analysis and testimony for the eastern Wisconsin utilities in hearings on environmental costing before the Wisconsin Public Service Commission.

Estimated the environmental externality costs of resource planning options for the eastern Wisconsin utilities and for Northern States Power.

Estimated the environmental externality costs of resource planning options for Xcel Energy updating study completed twenty years earlier.

Participated in environmental costing workshop and served on peer review committee for Ontario Hydro.

## **Health Economics**

Conducted focus groups and used verbal protocols to develop stated-preference conjoint survey questionnaires.

Conducted large-scale stated-preference conjoint survey to measure benefits of reduced cardiac and respiratory morbidity.

Designed/conducted pilot study of quality of life and enhanced longevity using conjoint stated-preference methods.

Designed and distributed radon information materials that were sent to 2,000 homeowners in the state of New York who had their homes tested for radon. Supervised interviews with homeowners, sequenced over a nine-month to two-year period, to elicit their perceptions of radon risks and tracked any expenditure decisions to reduce these risks. The expenditures were used to estimate a willingness-to-pay measure of the value of reductions in radon risks. The research design also evaluated the effectiveness of an information policy for reducing radon risks.

Developed and evaluated alternative approaches for encouraging Maryland homeowners to test for radon. Developed and pretested risk communication materials that ranged from radio public service announcements to public display posters and brochures. Used a three-community experimental design with 1,500 baseline and follow-up interviews in each community to measure effectiveness.

## **Professional Associations**

- American Economic Association
- Association of Environmental and Resource Economists (AERE)
- Associate Member, Appraisal Institute
- Member of Nominating Committee for AERE, 1983 and 1986

## **Honors and Awards**

- Recipient, Research Triangle Institute Professional Development Award, 1985
- Nominated for Outstanding Young Man of Rolla, Missouri, 1979
- Outstanding Teacher Award, University of Missouri at Rolla, 1977 to 1979
- Scholar-Diplomat, U.S. State Department, 1978
- Graduated *cum laude*, Stetson University, 1972

## **Professional Leadership**

- Vice President, Association of Environmental and Resource Economists, 1992 to 1994
- Associate Editor, *International Journal of Energy Studies*, 1989 to 1993
- Associate Editor, *Journal of Environmental Economics and Management*, 1992 to 1994
- Associate Editor, *Water Resources Research*, 1984 to 1987

## **Journals and Book Reviews**

- *Journal of the National Academy of Sciences*
- *American Economic Review*
- *Review of Economics and Statistics*
- *Land Economics*
- *Journal of Environmental Economics and Management*
- *Growth and Change*
- *American Journal of Agricultural Economics*
- *Southern Economics Journal*
- *Mansfield's Principles of Microeconomics*
- *Marine Resource Economics*
- *National Science Foundation*
- *Journal of the American Statistical Association*

## Publications

- Desvousges, William, Nicholas Gard, Holly Michael, and Anne Chance. 2018. "Habitat and Resource Equivalency Analysis: A Critical Assessment." *Ecological Economics* 143: 74 – 89.
- Desvousges, William, Kristy Mathews and Kenneth Train. 2016. "Reply to 'On the adequacy of scope test results: Comments on Desvousges, Mathews, and Train.'" *Ecological Economics*. 130: 361 – 362.
- Desvousges, William, Kristy Mathews, and Kenneth Train. 2016. "From Curious to Pragmatically Curious: Comment on "From Hopeless to Curious? Thoughts on Hausman's 'Dubious to Hopeless' Critique of Contingent Valuation." *Applied Economic Perspectives and Policy* 38(1): 174 – 182.
- Desvousges, William, Kristy Mathews, and Kenneth Train. 2015. "An Adding-Up Test on Contingent Valuations of River and Lake Quality" *Land Economics*. 91(3): 556 – 571.
- Snyder, Joan P. and William H. Desvousges, Ph.D. 2013. "Habitat and Resource Equivalency Analyses in Resource Compensation and Restoration Decision Making." *Natural Resources & Environment Journal*, American Bar Association Section of Environment, Energy and Resources 28(1): 3-7.
- Gard, Nicholas W. and William H. Desvousges. 2013. "Technical and economic issues and practices in ELD application." In *The EU Environmental Liability Directive: A Commentary*, Lucas Bergkamp and Barbara J. Goldsmith, Eds. Oxford, UK: Oxford University Press.
- Desvousges, William, Kristy Mathews, and Kenneth Train. 2012. "Adequate Responsiveness to Scope in Contingent Valuation." *Ecological Economics* 84: 121-128.
- Desvousges, William, Johnston, F. Reed, Richard W. Dunford, Kevin J. Boyle, Sarah P. Hudson, and K. Nicole Wilson. 2010. *Measuring Nonuse Damages Using Contingent Valuation: An Experimental Evaluation of Accuracy* (2<sup>nd</sup>. Ed). Research Triangle Park, NC: RTI International Press.
- MacNair, D.J. and W.H. Desvousges. 2007. "The Economics of Fish Consumption Advisories: Insights from Revealed and Stated Preference Data." *Land Economics* 83(4): 600-616.
- Mathews, K.E., M.L. Freeman, and W.H. Desvousges. 2006. "How and How Much? The Role of Information in CE Questionnaires." In *Valuing Environmental Amenities Using Stated Choice Studies*, Barbara Kanninen, ed. Boston: Kluwer Academic Publishers.
- Kinnell, J.C., M.F. Bingham, A.F. Mohamed, W.H. Desvousges, T.B. Kiler, E.K. Hastings, and K.T. Kuhns. 2006. "Estimating Site-Choice Decisions for Urban Recreators." *Land Economics* 82(2):257–272.

- Dunford, R.W., T.C. Ginn, and W.H. Desvousges. 2004. "The Use of Habitat Equivalency Analysis in Natural Resource Damage Assessments." *Ecological Economics* 48(1):49–70.
- Mathews, K.E., and W.H. Desvousges. 2003. "Stigma Claims and Survey Reliability: Lessons Learned from Natural Resource Damages Litigation." *Journal of Forensic Economics* 16(1):23–36.
- Iannuzzi, T.J., D.F. Ludwig, J.C. Kinnell, J.M. Wallin, W.H. Desvousges, and R.W. Dunford. 2002. *A Common Tragedy: History of an Urban River*. Amherst, MA: Amherst Scientific Publishers.
- Mathews, K.E., K.J. Gribben, and W.H. Desvousges. 2002. "Integration of Risk Assessment and Natural Resource Damage Assessment: A Case Study of Lavaca Bay." In *Human and Ecological Risk Assessment: Theory & Practice*, Dennis J. Paustenbach, ed. New York: John Wiley and Sons.
- Johnson, F.R., R.W. Dunford, W.H. Desvousges, and H.S. Banzhaf. 2001. "The Role of Knowledge in Assessing Nonuse Damages: A Case Study of the Lower Passaic River." *Growth and Change* 32(Winter):43–68.
- Smith, V. Kerry, Donald H. Taylor, Jr., Frank A. Sloan, F. Reed Johnson, and William H. Desvousges. 2001. "Do Smokers Respond to Health Shocks?" *The Review of Economics and Statistics* 83(4):675–687.
- Desvousges, W.H., and J.C. Lutz. 2000. "Compensatory Restoration: Economic Principles and Practice." *Arizona Law Review* 42(2):411–432.
- Johnson, F.R., M.R. Banzhaf, and W.H. Desvousges. 2000. "Willingness to Pay for Improved Respiratory and Cardiovascular Health: A Multiple-Format Stated-Preference Approach." *Health Economics* 9:295–317.
- Payne, J.W., D.A. Schkade, W.H. Desvousges, and C. Aultman. 2000. "Valuation of Multiple Environmental Programs." *Journal of Risk and Uncertainty* 21(1):95–115.
- Desvousges, William H., Erin E. Fries, Sara P. Hudson, and Richard W. Dunford. 1999. "Scaling and Selecting Compensatory Restoration Projects: An Economic Perspective." Chapter 2 in Restoration of Lost Human Uses of the Environment. Ed. G. Cecil. Pensacola, FL: SETAC Press. 61–85.
- Mathews, Kristy E., William H. Desvousges, F. Reed Johnson, and Melissa C. Ruby. 1999. "Using Economic Models to Inform Restoration Decisions: The Lavaca Bay, Texas Experience." Chapter 8 in Restoration of Lost Human Uses of the Environment. Ed. G. Cecil. Pensacola, FL: SETAC Press. 317–336.
- Desvousges, W.H., F.R. Johnson, and H.S. Banzhaf. 1998. *Environmental Policy Analysis With Limited Information: Principles and Applications to the Transfer Method*. Cheltenham, UK: Edward Elgar.

- Johnson, F.R., W.H. Desvousges, M.C. Ruby, D. Stieb, and P. De Civita. 1998. "Eliciting Stated Health Preferences: An Application to Willingness to Pay for Longevity." *Medical Decision Making* 18(2):57–67.
- Johnson, F.R., and W.H. Desvousges. 1997. "Estimating Stated Preferences With Rated-Pair Data: Environmental, Health, and Employment Effects of Energy Programs." *Journal of Environmental Economics and Management* 34(1):79–99.
- Banzhaf, H.S., W.H. Desvousges, and F.R. Johnson. 1996. "Assessing the Externalities of Electricity Generation in the Midwest." *Resource and Energy Economics* 18:395–421.
- Boyle, K.J., F.R. Johnson, D.W. McCollum, W.H. Desvousges, R.W. Dunford, and S.P. Hudson. 1996. "Valuing Public Goods: Discrete Versus Continuous Contingent-Valuation Responses." *Land Economics* 72(3):381–96.
- Desvousges, W.H., S.P. Hudson, and M.C. Ruby. 1996. "Evaluating CV Performance: Separating the Light From the Heat." In *The Contingent Valuation of Environmental Resources: Methodological Issues and Research Needs*, D.J. Bjornstad and J.R. Kahn, eds. Brookfield, VT: Edward Elgar Publishing Limited.
- Smith, V.K., W.H. Desvousges, and J.W. Payne. 1995. "Do Risk Information Programs Promote Mitigating Behavior?" *Journal of Risk and Uncertainty* 10:203–221.
- Wood, L.L., A.E. Kenyon, W.H. Desvousges, and L.K. Morander. 1995. "How Much Are Customers Willing to Pay for Improvements in Health and Environmental Quality?" *The Electricity Journal* May: 70-77.
- Boyle, K.J., W.H. Desvousges, F.R. Johnson, R.W. Dunford, and S.P. Hudson. 1994. "An Investigation of Part-Whole Biases in Contingent Valuation Studies." *Journal of Environmental Economics and Management* 27(1):64–83.
- Desvousges, W.H., H. Kunreuther, P. Slovic, and E.A. Rosa. 1993. "Perceived Risk and Attitudes Toward Nuclear Wastes: National and Nevada Perspectives." In *Public Reactions to Nuclear Waste*, R. Dunlap, M. Kraft, and E.A. Rosa, eds. Durham, NC: Duke University Press.
- Desvousges, W.H., F.R. Johnson, R.W. Dunford, K.J. Boyle, S.P. Hudson, and K.N. Wilson. 1993. "Measuring Natural Resource Damages With Contingent Valuation: Tests of Validity and Reliability." In *Contingent Valuation, A Critical Assessment*, J.A. Hausman, ed., pp. 91–164. Amsterdam: Elsevier.
- Desvousges, W.H., A.R. Gable, R.W. Dunford, and S.P. Hudson. 1993. "Contingent Valuation: The Wrong Tool for Damage Assessment." *Choices* 8(2):9–11.

- Desvousges, W.H., V.K. Smith, and H.H. Rink, III. 1992. "Communicating Radon Risks Effectively: The Maryland Experience." *Journal of Public Policy and Marketing* 11(1):68–78.
- Desvousges, W.H., and R.W. Dunford. 1992. "Russian River Basin Formaldehyde Release." In *Natural Resource Damages: Law and Economics*, K.M. Ward and J.W. Duffield, eds. New York: John Wiley and Sons.
- Desvousges, W.H., M. Naughton, and G. Parsons. 1992. "Benefits Transfer: Conceptual Problems in Estimating Water Quality Benefits Using Existing Studies." *Water Resources Research* 28(3):675–683.
- Kunreuther, H., D. Easterling, W.H. Desvousges, and P. Slovic. 1990. "Public Attitudes Toward Siting a High-Level Nuclear Waste Repository in Nevada." *Risk Analysis* 10(4):469–484.
- Smith, V.K., and W.H. Desvousges. 1990. "Risk Communication and the Value of Information: Radon as a Case Study." *Review of Economics and Statistics* 72(1):137–140.
- Smith, V.K., W.H. Desvousges, F.R. Johnson, and A. Fisher. 1990. "Can Public Information Programs Affect Risk Perceptions?" *Journal of Policy Analysis and Management* 9(1):41–59.
- Desvousges, W.H., and J.H. Frey. 1989. "Integrating Focus Groups and Surveys: Examples from Environmental Risk Studies." *Journal of Official Statistics* 5(4):1–15.
- Smith, V.K., and W.H. Desvousges. 1989. "Subjective Versus Technical Risk Estimates: Do Risk Communication Policies Increase Consistency?" *Economic Letters* 31:287–291.
- Desvousges, W.H., and V.K. Smith. 1988. "Focus Groups and Risk Communication: The 'Science' of Listening to Data." *Risk Analysis* 8(4):479–484.
- Smith, V.K., and W.H. Desvousges. 1988. "Risk Perception, Learning and Individual Behavior." *American Journal of Agricultural Economics* 70(5):1113–1117.
- Kunreuther, H., W.H. Desvousges, and P. Slovic. 1988. "Nevada's Predicament: Public Perceptions of Risk From the Proposed Nuclear Waste Repository." *Environment* 30(8):17–20, 30–33.
- Smith, V.K., and W.H. Desvousges. 1988. "The Valuation of Environmental Risks and Hazardous Waste Policy." *Land Economics* 64(3):211–219.
- Smith, V.K., W.H. Desvousges, A. Fisher, and F.R. Johnson. 1988. "Learning About Radon's Risk." *Journal of Risk and Uncertainty* 1:233–258.
- Johnson, F.R., A. Fisher, V.K. Smith, and W.H. Desvousges. 1988. "Informed Choice or Regulated Risks? Lessons From a Social Experiment in Risk

Communication." *Environment* 30(4):12–15, 30–35. Reprinted in *Readings in Risk*. 1990. Washington, DC: Resources for the Future.

Desvousges, W.H., V.K. Smith, A. Fisher, and F.R. Johnson. 1988. "Communicating Radon Risks Effectively." In *Managing Environmental Risks, Proceedings of Air Pollution Control Association, Specialty Conference on Risk Management and Risk Communication*. Pittsburgh, PA.

Smith, V.K., and W.H. Desvousges. 1987. "An Empirical Analysis of the Economic Value of Risk Changes." *Journal of Political Economy* 95(1):89–114.

Desvousges, W.H., V.K. Smith, and A. Fisher. 1987. "Option Price Estimates for Water Quality Improvements: A Contingent Valuation Study for the Monongahela River." *Journal of Environmental Economics and Management* 14:248–267.

Smith, V.K., and W.H. Desvousges. 1986. *Measuring Water Quality Benefits*. Boston: Kluwer Nijhoff.

Smith, V.K., and W.H. Desvousges. 1986. "Asymmetries in the Valuation for Risk Reductions." *American Economic Review* 76(2):291–294.

Smith, V.K., and W.H. Desvousges. 1986. "The Value of Avoiding a LULU: Hazardous Waste Landfill Sites." *Review of Economics and Statistics* 68(2):293–299.

Smith, V.K., and W.H. Desvousges. 1986. "Averting Behavior: Does It Exist?" *Economic Letters* 20:291–296.

Smith, V.K., W.H. Desvousges, and A. Fisher. 1986. "A Comparison of Direct and Indirect Methods for Estimating Environmental Benefits." *American Journal of Agricultural Economics* 68:280–289.

Smith, V.K., and W.H. Desvousges. 1985. "The Generalized Travel Cost Model and Water Quality Benefits: A Reconsideration." *Southern Economic Journal* 52(2):371–381.

Smith, V.K., and W.H. Desvousges. 1984. "Measuring the Benefits of Water Quality Improvements: Additional Considerations." *Southern Economic Journal* October.

Desvousges, W.H., and M.J. Piette. 1984. "Problems and Prospects: Outer Continental Shelf Petroleum Resources." *Growth and Change* 15(2):3–10.

Desvousges, W.H. 1984. "Benefit Cost Assessment of the Toulumne River: A Foreword." *Environmental Defense Fund*, Spring.

Desvousges, W.H., V.K. Smith, and A. Fisher. 1983. "Estimates of the Option Values for Water Quality Improvements." *Economic Letters* 13:81–86.

- Smith, V.K., W.H. Desvousges, and M.P. McGivney. 1983. "Estimating Water Quality Benefits: An Econometric Analysis." *Southern Economic Journal* 50(2):422–437.
- Smith, V.K., W.H. Desvousges, and M.P. McGivney. 1983. "The Opportunity Cost of Travel Time in Recreation Demand Models." *Land Economics* 59(3):259–278.
- Piette, M.J., and W.H. Desvousges. 1981. "Behavior of the Firm: The U.S. Petroleum Pipeline Industry Under Regulatory Constraint." *Growth and Change* 12(2):17–22.
- Garbacz, C., and W.H. Desvousges. 1980. "The Impact of Increased Energy Costs on Municipal Budgets in Missouri." *Missouri Municipal League Review*, July.
- Desvousges, W.H., and M.J. Piette. 1979. "The Effect of 'Large' Mergers on Concentration Trends in Petroleum Production: 1955–1975." *Southern Economic Journal*, October.
- Desvousges, W.H. 1978. *Tourism U.S.A. Volume 1: Appraising Tourism Potential*. United States Department of Commerce, United States Travel Service, Washington, D.C.
- Desvousges, W.H. 1978. "Savannah, Georgia." *Profiles in Tourism U.S.A., 1978*. United States Department of Commerce, United States Travel Service, Washington, D.C.
- Foreyt, J.P., C.E. Rockwood, J.C. Davis, W.H. Desvousges, and R. Hollingsworth. 1975. "Benefit-Cost Analysis of a Token Economy Program." *Professional Psychology* February.

## **Selected Reports and Working Papers**

- Peer Review for the EPA 316(b) Rule § 122.21 (r)(10), (r)(11), and(r)(12) studies on the cooling water intake structure (CWIS) at the Alcoa Power Generating Inc. (APGI) Warrick Power Plant located in Newburgh, Indiana. January 2018.
- Peer Review for the EPA § 122.21 (r)(10), (r)(11), and(r)(12) studies on its cooling water intake structure (CWIS) at the Northern States Power – Minnesota High Bridge Combined Cycle Plant. January 2018.s
- Peer Review of Kahe Generating Station § 316(b) § 122.21(r) Information. March 7, 2017.
- Peer Review of Waiiau Generating Station § 316(b) § 122.21(r) Information. November 15, 2016.
- The Aluminum Association, BP America, Inc., The Dow Chemical Company, Exxon Mobil Corporation, General Electric Company, and National

Mining Association. 2008. "Comments on The United States Department of the Interior's Notice of Proposed Rulemaking on Revisions of Its Type B Procedures for Natural Resource Damage Assessments" (73 Fed.Reg. 11081, February 29, 2008). May 29. (Appendix B: Comments on Proposed Changes to DOI Rule.)

Desvousges, W.H. 2006. "Letter to Steve Glomb at the U.S. Department of Interior re: Proposed DOI Changes." December 15.

Desvousges, W.H. and H.J. Michael. 2006. "Response to the Department of the Interior's Questions to FACA Subcommittee #3." Prepared for Department of the Interior FACA Subcommittee #3. June 2. Raleigh, NC: W.H. Desvousges & Associates, Inc.

Desvousges, W.H., M.F. Bingham, J.C. Kinnell, A.F. Mohamed, and K.T. Kuhns. 2005. *Review and Response to the EPA's Response to Comments from the American Chemistry Council et al. and Accompanying Triangle Economic Research (TER) Report*. Prepared for the Utility Water Act Group, General Electric Company, American Chemistry Council, American Forest and Paper Association, American Iron and Steel Institute, American Public Power Association, and American Petroleum Institute. April 20. Durham, NC: Triangle Economic Research.

Desvousges, W.H., M.F. Bingham, J.C. Kinnell, and A.F. Mohamed. 2005. *Comments on Potential Nonuse Values for Proposed Phase III Cooling Water Intake Regulations: Final Report*. Prepared for the Utility Water Act Group, American Chemistry Council, American Forest and Paper Association, American Iron and Steel Institute, American Petroleum Institute, and American Public Power Association. January 24. Durham, NC: Triangle Economic Research.

Mathews, K.E., and W.H. Desvousges. 2004. *Stigma Claims and Survey Reliability: Lessons Learned from Natural Resource Damages Litigation*. Working Paper No. T-0401. Durham, NC: Triangle Economic Research.

Bingham, M.F, W.H. Desvousges, and A.F. Mohamed. 2003. *Comments on Benefit Estimation of EPA's Proposed Phase II 316(b) Rule as Summarized in the Notice of Data Availability: Final Report*. Prepared for The Utility Water Act Group. Durham, NC: Triangle Economic Research. June 2.

Mathews, K.E., and W.H. Desvousges. 2002. "The Truth, the Partial Truth, or Anything But the Truth: Survey Reliability and Property Valuation." Paper presented at the Symposium on Environmental & Property Damages: Standards, Due Diligence, Valuation & Strategy, Toronto, Ontario. April 4-6.

Desvousges, W.H., D.M. Clark, M.F. Bingham, A.F. Mohammed, S.M. Small, and D.F. Ludwig. 2002. *Comments on the Benefit Estimates of EPA's Proposed Phase II 316(b) Rule: Final Report*. Prepared for the Utility Water Act Group.

- Desvousges, W.H., J.C. Kinnell, K.S. Lievense, and E.A. Keohane. 2001. *Passaic River Study Area Creel/Angler Survey: Data Report*. TER Working Paper No. G-0101. Durham, NC: Triangle Economic Research.
- Desvousges, W.H., D.J. MacNair, F.R. Johnson, G.A. Smith, and S.D. Cox. 2000. *Comments on the Federal Trustees' Restoration Scaling and Compensable Value Determination for the Fox River/Green Bay*. Durham, NC: Triangle Economic Research.
- Desvousges, W.H., D.J. MacNair, and G.A. Smith. 2000. *Lower Fox River and Green Bay: Assessment of Potential Recreational Fishing Losses and Restoration Offsets*. Durham, NC: Triangle Economic Research.
- Desvousges, W.H., R.W. Dunford, K.E. Mathews, C.L. Taylor, and J.L. Teague. 1999. *A Preliminary Economic Evaluation of New Jersey's Proposed Groundwater Damage Assessment Process*. Report prepared for New Jersey Site Remediation Industry Network.
- Johnson, F.R., Melissa C. Ruby, William H. Desvousges, and Jonathan R. King. 1998. *Using Stated Preferences and Health-State Classifications to Estimate the Value of Health Effects of Air Pollution*. Report prepared for Environment Canada, Health Canada, Ontario Hydro, and Ontario Ministry of Environment and Energy.
- Desvousges, W.H., F. Reed Johnson, M.C. Ruby, and Alicia R. Gable. 1997. *Valuing Stated Preferences for Health Benefits of Improved Air Quality: Results of a Pilot Study*. TER Working Paper No. T-9702. Durham, NC: Triangle Economic Research.
- Dunford, R.W., W.H. Desvousges, F.R. Johnson, E.E. Fries, H.J. Michael, and K.E. Mathews. 1997. *Comments on NOAA's Draft Compensatory Restoration Guidance Document*. Submitted to National Oceanic and Atmospheric Administration, Silver Spring, MD.
- Dunford, R.W., A.R. Gable, S.P. Hudson, W.H. Desvousges, and F.R. Johnson. 1996. *A Review of the 1996 Contingent Valuation Study on the Value of Preventing Oil Spills Along California's Central Coast*. Prepared for Ad Hoc Industry Group. Durham, NC: Triangle Economic Research.
- Desvousges, W.H., F.R. Johnson, S.P. Hudson, A.R. Gable, and Melissa C. Ruby. 1996. *Using Conjoint Analysis and Health-State Classifications to Estimate the Value of Health Effects of Air Pollution: Pilot Test Results and Implications*. Prepared for Environment Canada, Health Canada, Ontario Hydro, Ontario Ministry of Environment and Energy, and Quebec Ministry of Environment. Durham, NC: Triangle Economic Research.
- Desvousges, W.H., S.M. Waters, and K.E. Train. 1996. *Supplemental Report on Potential Economic Losses Associated with Recreation Services in the Upper Clark Fork River Basin*. Durham, NC: Triangle Economic Research.

- Dunford, R.W., K.E. Mathews, A.R. Gable, E.E. Fries, F.R. Johnson, and W.H. Desvousges. 1995. *Nonuse Values for Nonenvironmental Commodities: Preliminary Contingent Valuation Results for Avoiding Job Losses*. Prepared for the U.S. Department of Energy. Durham, NC: Triangle Economic Research.
- Dunford, R.W., K.E. Mathews, A.R. Gable, E.E. Fries, F.R. Johnson, and W.H. Desvousges. 1995. *Nonuse Values for Nonenvironmental Commodities: Preliminary Conjoint Survey Results*. Prepared for the U.S. Department of Energy. Durham, NC: Triangle Economic Research.
- Gable, A.R., W.H. Desvousges, and F.R. Johnson. 1995. *Calibrating Contingent Valuation Estimates: A Review of the Literature and Suggestions for Future Research*. Prepared for the U.S. Department of Energy. Durham, NC: Triangle Economic Research.
- Mathews, K.E., F.R. Johnson, R.W. Dunford, and W.H. Desvousges. 1995. *The Potential Role of Conjoint Analysis in Natural Resource Damage Assessments*. TER Working Paper No. G-9503. Durham, NC: Triangle Economic Research.
- Desvousges, W.H. 1995. *The Role of Contingent Valuation in Natural Resource Damage Assessment*. TER Working Paper No. G-9502. Durham, NC: Triangle Economic Research.
- Desvousges, W.H., K.E. Mathews, R.W. Dunford, R.R. Russell, and H.L. James. 1995. *Comments on NOAA's Proposed NRDA Rule Under the Oil Pollution Act*. Submitted to NOAA. Durham, NC: Triangle Economic Research.
- Desvousges, W.H., K.E. Mathews, R.W. Dunford, R.R. Russell, and H.L. James. 1995. *Comments on NOAA's Proposed NRDA Rule Under the Oil Pollution Act: Executive Summary*. Durham, NC: Triangle Economic Research.
- Desvousges, W.H., and R.A. Sandefur. 1995. "Modeling Natural Resource Damages for Spills and Releases of Oils and Chemicals." White Paper prepared for API by Arthur D. Little and Triangle Economic Research.
- Desvousges, W.H., L.A. Sturtevant, S.E. Holden, and S.P. Hudson. 1995. *Review of DOI's Proposed NRDAM/CME and Associated Regulations*. Prepared by Arthur D. Little, Inc. and Triangle Economic Research.
- Desvousges, W.H., S.P. Hudson, A.R. Gable, and S.K. Snow. 1995. *Review of DOI's Proposed NRDAM/GLE and Associated Regulations*. Prepared by Arthur D. Little, Inc., and Triangle Economic Research.
- Desvousges, W.H., F.R. Johnson, H.S. Banzhaf, R.R. Russell, E.E. Fries, K.J. Dietz, S.C. Helms, D. Keen, J. Snyder, H. Balentine, V. Sadeghi, and S.A. Martin. 1995. *Assessing Environmental Externality Costs for Electricity Generation in Wisconsin*. Prepared for Wisconsin Task Force

on Externality Costing. Seven volumes. Durham, NC: Triangle Economic Research.

Desvousges, W.H., F.R. Johnson, H.S. Banzhaf, R.R. Russell, E.E. Fries, K.J. Dietz, S.C. Helms, D. Keen, J. Snyder, H. Balentine, V. Sadeghi, and S.A. Martin. 1995. *Assessing Environmental Externality Costs for Electricity Generation*. Prepared for Northern States Power Company. Seven volumes. Durham, NC: Triangle Economic Research.

Johnson, F.R., W.H. Desvousges, E.E. Fries, and L.L. Wood. 1995. *Conjoint Analysis of Individual and Aggregate Environmental Preferences*. TER Technical Working Paper No. T-9502. Durham, NC: Triangle Economic Research.

Desvousges, W.H., R.W. Dunford, R.R. Russell, and S.P. Hudson. 1994. *Review of Technical Memorandum: Quantification and Scaling of Resource Services*. Prepared for ASARCO Incorporated, Champion International Corporation, Kaiser Aluminum & Chemical Corporation, Occidental Chemical Corporation, and the City of Tacoma.

Desvousges, W.H., F.R. Johnson, and H. Spencer Banzhaf. 1994. *Assessing Environmental Costs For Electricity Generation*. TER General Working Paper No. G-9402. Durham, NC: Triangle Economic Research.

Desvousges, W.H., S.P. Hudson, S.K. Snow, R.W. Dunford, A.R. Gable, M.C. Ruby, and R.A. Sandefur. 1994. *Comments on the National Oceanic and Atmospheric Administration's Natural Resource Damage Assessment Proposed Rule*. Prepared for NOAA. Durham, NC: Triangle Economic Research.

Desvousges, W.H., L.L. Wood, A.E. Kenyon, F.R. Johnson, R. Iachan, and E.E. Fries. 1994. *Willingness-to-Pay Results and Market Penetration Forecasts*. Prepared for the Electric Power Research Institute.

Desvousges, W.H., S.P. Hudson, and R.R. Russell. 1993. *Comments on the Department of the Interior's Natural Resource Damage Assessment Proposed Rule*. Prepared for the Office of Environmental Affairs, U.S. Department of the Interior.

Desvousges, W.H., and F.R. Johnson. 1992. *A Review of "Methods for Measuring Nonuse Values: A Contingent Valuation Study of Groundwater Cleanup,"* by McClelland, Schulze, et al. Prepared for the Environmental Advisory Committee, U.S. Environmental Protection Agency.

Desvousges, W.H., F.R. Johnson, R.W. Dunford, K.N. Wilson, H.S. Banzhaf, and K.J. Stettler. 1992. *Using Contingent Valuation to Measure Nonuse Damages: An Assessment of Validity and Reliability*. Prepared for the NOAA Contingent Valuation Panel.

Desvousges, W.H., F.R. Johnson, R.W. Dunford, K.J. Boyle, S.P. Hudson, and K.N. Wilson. 1992. *Measuring Nonuse Damages Using Contingent*

*Valuation: An Experimental Evaluation of Accuracy.* Monograph 92-1, Prepared for Exxon Company, USA. Research Triangle Park, NC: Research Triangle Institute.

Desvousges, W.H., K.E. Mathews, N. Dean, J.S. Smith, and K.N. Wilson. 1992. *Measuring Benefits of the Effluent Guidelines: An Evaluation of Benefits-Transfer Technique.* Prepared for the Office of Science and Technology, U.S. Environmental Protection Agency.

Desvousges, W.H., F.R. Johnson, J.A. Mauskopf, S.A. Johnston, J.S. Smith, K.N. Wilson, and M. Benerofe. 1991. *Accounting for Externality Costs in Wisconsin Electric Utility Planning.* Prepared for the Wisconsin Public Service Commission.

Desvousges, W.H., and A.J. Milliken. 1991. *An Economic Assessment of Natural Resource Damages from the Arthur Kill Oil Spill.* Prepared for Exxon Company, USA.

Desvousges, W.H., and R.W. Dunford. 1991. *Comments on the Proposed Revision in the NRDA Rule Pursuant to the 1989 Ohio vs. Interior Ruling.* Submitted to the U.S. Department of the Interior.

Robilliard, G.A., W.H. Desvousges, R.W. Dunford, and J. Milliken. 1991. *Natural Resource Injury and Damage Assessment Guidance Manual.* Prepared for the Petroleum Environmental Research Forum.

Regan, M.J., and W.H. Desvousges. 1990. *Communicating Environmental Risks: A Guide to Practical Evaluations.* Prepared for the U.S. Environmental Protection Agency.

Mauskopf, J.A., A. Forrest, and W.H. Desvousges. 1990. *Hazardous Substances in Our Environment: A Citizen's Guide to Understanding Health Risks and Reducing Exposure.* Prepared for the Risk Communication Program, U.S. Environmental Protection Agency.

Regan, M.J., J.L. Creighton, and W.H. Desvousges. 1990. *Sites for Our Solid Wastes: A Guidebook for Effective Public Involvement.* Prepared for the Office of Solid Waste, U.S. Environmental Protection Agency.

Desvousges, W.H., R.W. Dunford, and J.L. Domanico. 1989. *Measuring Natural Resource Damages: An Economic Appraisal.* Prepared for the American Petroleum Institute.

Desvousges, W.H., V.K. Smith, and H.H. Rink, III. 1988. *Communicating Radon Risk Effectively: Radon Testing in Maryland.* Prepared for the Office of Policy, Planning, and Evaluation, U.S. Environmental Protection Agency.

Desvousges, W.H., V.K. Smith, A. Fisher, and F.R. Johnson. 1987. *Communicating Radon Risks Effectively.* Cooperative Agreement report to the Office of Policy Analysis, U.S. Environmental Protection Agency.

- Smith, V. Kerry, William H. Desvousges, Ann Fisher, and F. Reed Johnson. 1987. *Radon Risk Perceptions and Risk Communications: Preliminary Results*. Interim report prepared for the Office of Policy Analysis, U.S. Environmental Protection Agency.
- Desvousges, W.H., R.W. Dunford, J. Frey, H. Kunreuther, R. Kasperson, and P. Slovic. 1987. *High-Level Nuclear Waste Repository Risks: Focus Group Findings and Implications for Surveys*. Prepared for Mountain West and the State of Nevada.
- Desvousges, W.H., R.W. Dunford, and H.H. Rink, III. 1987. *The Social Cost of a Formaldehyde Release in the Russian River Basin*. Prepared for the U.S. Department of Justice.
- Desvousges, W.H., R.W. Dunford, J. Frey, H. Kunreuther, R. Kasperson, and P. Slovic. 1986. *High Level Nuclear Waste Risk Surveys: Integrated Survey Plan*. Prepared for Mountain West and the State of Nevada.
- Desvousges, W.H., and V.A. Skahen. 1986. *Techniques to Measure Damages to Natural Resources: Final Report*. Prepared for CERCLA 301 Task Force, U.S. Department of the Interior. Durham, NC: Research Triangle Institute.
- Desvousges, W.H., and M.C. Naughton. 1985. *Water Quality Benefits of the BCT Regulations for the Pulp and Paper Industry*. Prepared for the Economic Analysis Division, U.S. Environmental Protection Agency.
- Desvousges, W.H., and V.K. Smith. 1984. *The Travel Cost Approach for Valuing Improved Water Quality: Additional Considerations*. Prepared for the Economic Analysis Division, U.S. Environmental Protection Agency.
- Desvousges, W.H., V.K. Smith, and M.P. McGivney. 1983. *A Comparison of Alternative Approaches for Estimating Recreation and Related Benefits of Water Quality Improvements*. Prepared for the Economic Analysis Division, U.S. Environmental Protection Agency.

## **Selected Presentations**

- Desvousges, W.H. 2016. "CV Estimates of Passive Use Values: Do the Numbers Add Up?" Law Seminars International's Natural Resource Damages Conference. Washington, D.C. March 11 – 12.
- Desvousges, W.H. 2014. "Nonuse NRD Claim for Groundwater: A Case Study." The Eighth Annual Advanced Conference on Litigating Natural Resource Damages Santa Fe, New Mexico. July 24-25.
- Desvousges, W.H. 2013. "Nonuse and Tribal NRD Claims: One Economists' Perspective." The Seventh Annual Comprehensive

Conference on Natural Resource Damages Evolving Strategic and Tactical Issues. Santa Fe, New Mexico. July 19.

Desvousges, W.H. 2012. "Assessing Groundwater Damages: The Judge's Ruling." Panel Discussion. The Sixth Annual Advanced Conference on Litigating Natural Resource Damages. Santa Fe, New Mexico. July 12.

Desvousges, W.H. 2010. "Estimation of Restoration and Compensable Value Damages." Panel Discussion. Fourth Annual Natural Resource Damages Claims Conference. Santa Fe, New Mexico. July 16.

Desvousges, W.H. 2009. "Groundwater Valuation and Restoration: One Economist's Perspective." Third Annual Advanced Conference on Natural Resource Damages Litigation. Santa Fe, New Mexico. July 9.

Desvousges, W.H. 2008. "Natural Resource Damage Assessments: Economic Valuation of Natural Resource Damages." National Advanced Conference on Natural Resource Damages Litigation. Santa Fe, New Mexico. July 18.

Desvousges, W.H. 2007. "Natural Resource Damage Assessments: Key Economic Issues in Defending a Damages Claim." National Advanced Conference on Natural Resource Damages Litigation. Santa Fe, New Mexico. July 16.

Desvousges, W.H. 2007. "HEA and Conjoint Analysis Not Ready for Prime Time." Presentation at the U.S. Department of the Interior 2007 NRDA Restoration Program National Workshop. Phoenix, Arizona. April 26.

Desvousges, W.H. 2006. Presentation at the Office of Policy, Economics and Innovation's National Center for Environmental Economics and the Office of Solid Waste and Emergency Response's Land Revitalization Office workshop on Risk Assessment and Benefit Estimation Methods. Washington, D.C. September 28.

Desvousges, W.H. 2006. "Response to the Department of the Interior's Questions to FACA Subcommittee #3." Presented to Department of the Interior FACA Subcommittee #3, Shepherdstown, West Virginia, June 5.

Desvousges, W.H. 2005. "Compensatory Restoration Principles and Practices." Presented at the Natural Resource Damages Seminar, Cook College, New Brunswick, NJ. May 24.

Desvousges, W.H., and M.F. Bingham. 2004. "Benefit-Cost Analysis and 316(b) Compliance." Presented at the UWAG/EPRI (316(b) Legal Advisory Session, Atlanta, GA. May 12.

Desvousges, W.H., and K.E. Mathews. 2004. "Evaluating Mass Tort-Class Action Claims for Property Stigma Damages from Environmental

Contamination.” American Bar Association Conference on Environmental Law, Keystone, Colorado. March 11.

Kinnell, J.C., M.F. Bingham, E.A. Keohane, and W.H. Desvousges. 2002. “Using Intercept and Count Data to Estimate the Population of Anglers in an Urban and Industrial River.” Presented at the 2002 W-133 Conference, Monterey, CA. February.

Kinnell, J.C., D.J. MacNair, and W.H. Desvousges. 2001. “Using RP and SP Data For Valuing Recreational Access in a Compensatory Restoration Framework.” Presented at the 2001 W-133 Conference, Miami, FL. February.

MacNair, D.J., and W.H. Desvousges. 2001. “Using RP and SP Data to Measure the Effect of Fish Consumption Advisories on Recreational Anglers.” Presented at the 2001 W-133 Conference, Miami, FL. February.

Bingham, M.T., G. Smith, and W.H. Desvousges. 1999. “A Cognitive Approach to Modeling the WTP Decision Under Dichotomous Choice and Open-Ended Contingent-Valuation Survey Formats.” Presented at the American Agricultural Economics Association Meeting, Nashville, Tennessee. August.

Kinnell, J.C., M.F. Bingham, and W.H. Desvousges. 1999. “Sequencing Effects in Valuing Multiple Environmental Programs.” Presented at the American Agricultural Economics Association Meeting in Nashville, Tennessee. August.

Desvousges, W.H., and F.R. Johnson. 1998. “Measuring and Influencing Health-Related Attitudes, Perceptions, and Behavior.” August.

Johnson, F.R., W.H. Desvousges, and M.J. Bingham. 1998. “Trade-off Preferences for Pharmaceuticals Development, Marketing, and Outcome Evaluation.” Third international meeting of the International Society for Pharmacoeconomics and Outcomes Research, Philadelphia, PA. May.

MacNair, D.J., W.H. Desvousges, and J.C. Lutz. 1998. “An In-Kind Damage Assessment of Recreational Fishing Using Revealed and Stated Preference Data.” The American Agricultural Economics Association Meeting, Salt Lake City, UT. August.

Desvousges, W.H. 1997. “Scaling and Selecting Compensatory-Restoration Projects: An Economic Perspective.” Conference on Restoration of Lost Human Uses of the Environment, Washington, DC. May.

Desvousges, W.H. 1996. “NRDA From an Economist’s Viewpoint.” Blasland, Bouck and Lee, Inc. Sediment Management Seminar, Orlando, FL. February.

Fries, E.E., F.R. Johnson, K.E. Mathews, W.H. Desvousges, and R.W. Dunford. 1996. “The Consistency of Stated Preferences: An Analysis of Salmon-

Preservation and Job-Loss Trade-offs.” Camp Resources, Wilmington, N.C. August.

Johnson, F.R., M.C. Ruby, and W.H. Desvousges. 1996. “Valuing Stated Preferences for Health Benefits of Improved Air Quality: Results of a Pilot Study.” Department of Economics at Stockholm School of Economics in Stockholm, Sweden. September.

Desvousges, W.H. 1995. “The Reliability of Contingent Valuation for NRDA.” Panel Presentation at the Southern Economic Association Meetings in New Orleans, LA. November.

Johnson, F.R., W.H. Desvousges, and H.S. Banzhaf. 1995. “Assessing the Externalities of Electricity Generation in the Midwest.” Southern Economic Association Meetings in New Orleans, Louisiana. November.

Desvousges, W.H., S.P. Hudson, and M.C. Ruby. 1994. “Evaluating CV Performance: Separating the Light from the Heat.” DOE/EPA Workshop on Using Contingent Valuation to Measure Nonmarket Values, Herndon, VA. May.

Desvousges, W.H., and S.P. Hudson. 1994. “Contingent Valuation: Is it Accurate Enough for Damage Assessments?” American Bar Association Seminar on Natural Resource Damage Assessments, Chicago, IL. May.

Desvousges, W.H. 1993. “Using Contingent Valuation to Measure Nonuse Damages: A Lesson in Unreliability.” Meeting of the Society for Environmental Toxicology and Chemistry, Houston, TX. November.

Robilliard, G.A., Fischel, W.H. Desvousges, R.W. Dunford, and K.E. Mathews. 1993. “Evaluation of Compensation Formulae to Measure Natural Resource Damages.” International Oil Spill Conference, Tampa, FL. March.

Dunford, R.W., S.P. Hudson, and W.H. Desvousges. 1993. “Experimental Contingent Values for Reducing Environmental Damage from Oil Spills.” International Oil Spill Conference, Tampa, FL. March.

Desvousges, W.H., R.W. Dunford, K.E. Mathews, and H.S. Banzhaf. 1993. “NRDA Case Study: The Arthur Kill Oil Spill.” International Oil Spill Conference, Tampa, FL. March.

Desvousges, W.H., F.R. Johnson, R.W. Dunford, K.J. Boyle, and S.P. Hudson. 1993. “The Validity of Expressed Nonuse Values for Environmental Commodities.” American Agricultural Economics Association meeting, Baltimore, MD. August.

Desvousges, W.H., F.R. Johnson, R.W. Dunford, K.J. Boyle, S.P. Hudson, and K.N. Wilson. 1992. “Measuring Natural Resource Damages with Contingent Valuation: Tests of Validity and Reliability.” Cambridge

Economics, Inc., symposium titled, "Contingent Valuation: A Critical Assessment." Washington, DC. April.

Dunford, R.W., and W.H. Desvousges. 1992. "Oil Spill Liability: Recent Legal and Economic Developments." American Economics Association meeting, New Orleans, LA. January.

Johnson, F.R., and W.H. Desvousges. 1991. "Nonuse Values in Natural Resource Damage Assessments." Southern Economic Association meeting, Nashville, TN. November.

Desvousges, W.H. 1991. "Valuing Ecological Risks." National Academy of Sciences Workshop on Ecological Risks, Warrenton, VA. February.

Dunford, R.W., S.P. Hudson, and W.H. Desvousges. 1991. "Linkages Between Oil Spill Removal Activities and Natural Resource Damages." Presented at the International Oil Spill Conference in San Diego, CA. March.

Desvousges, W.H. 1990. "Economics and the NRDA: One Economist's View." Workshop on Natural Resource Damages, American Bar Association, Washington, DC. May.

Desvousges, W.H. 1989. "Risk Perceptions and Nuclear Wastes." Engineering Foundation Conference on Risk Decision-Making, Santa Barbara, CA. October.

Desvousges, W.H., H. Kunreuther, and P. Slovic. 1989. "Perceived Risk and Nuclear Waste—A National and Nevada Perspective." American Association for the Advancement of Science Annual Meeting, San Francisco, CA. January.

Desvousges, W.H. 1987. "Hazardous Waste and Radon Risks: Good News and Bad News for Economists." Engineering Foundation Conference on Risk Management, Santa Barbara, CA. November.

Desvousges, W.H. 1987. "The Use of Focus Groups in Complex Environmental Surveys." American Association of Public Opinion Research Annual meeting, Hershey, PA.

Smith, V.K., and W.H. Desvousges. 1986. "Information and the Valuation of Risk Reductions," American Economics Association meeting, New Orleans, LA. December.

Desvousges, W.H. 1986. "Methods for Measuring Natural Resource Damages." Conference on Natural Resource Damages, Washington, DC. November.

Smith, V.K., and W.H. Desvousges. 1985. "Values for Risk Reductions: Some Considerations for Siting Decisions." American Economics Association meeting, New York, NY. December.