

APPENDIX II

Participant List

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Project Participants - Preliminary and Final Plan Phases

The Minnesota Statewide Conservation and Preservation Plan (SCPP) project team is composed of many leading experts in science, natural resources, data analysis and modeling, planning, land use, policy implementation, and facilitation of large, complex projects.

Many of the University of Minnesota faculty involved are recognized locally, regionally, nationally, and internationally for their scientific expertise. In addition to holding prominent leadership and research positions at the University of Minnesota, they have served on advisory committees to the U.S. government, in joint Canadian-U.S. scientific and policy groups, and have contributed their time and experience to advisory groups to the United Nations. They sit on the editorial panels for leading scientific journals, and several hold highly prestigious international fellowships.

The private consultant team members are widely recognized within the industry for their experience and applied knowledge, and all bring a strong regional, and in some cases national, reputation for skill and excellence. Two are current or past owners of their own planning firms, and several are widely published. Many have been members or board members of regional, local, and national professional organizations, and have served leadership roles in those organizations. Members of the project team and project advisors are listed below.

In the following list, University of Minnesota refers to faculty or staff from the UM-Twin Cities; UM Duluth NRRI refers to faculty or staff from the UM at Duluth's Natural Resources Research Institute.

Project Team Members

Deborah Swackhamer	Principal Investigator	University of Minnesota
Jean Coleman	Project Coordinator	CR Planning
Ira Adelman	Fish Team	University of Minnesota
Dorothy Anderson	Recreation Team	University of Minnesota
James L. Anderson	Water Team	University of Minnesota
Todd Arnold	Wildlife/Habitat Team	University of Minnesota
Richard Axler	Water Team	UM Duluth NRRI
John Baker	Energy and Mercury Team	University of Minnesota
Marv Bauer	Information Systems	University of Minnesota
James Barton	Transportation Team	Barton Consulting
Michelle Beaman	Support Staff	University of Minnesota
Bill Berguson	Energy and Mercury Team	UM Duluth NRRI
Robert Blair	Wildlife Team	University of Minnesota
Paul Bockenstedt	Land/Habitat Team	Bonestroo
Terry Brown	Support Staff-GIS/Habitat Team	University of Minnesota
John Cannon	Student Support Staff	University of Minnesota
Amy Carolan	Student Support Staff	Bonestroo
Alex Conzemius	Student Support Staff	CR Planning
Amy Cowell	Cost Benefit Analysis Team	University of Minnesota
Francesca Cuthbert	Wildlife/Habitat Team	University of Minnesota
Nick Danz	Support Staff/Habitat Team	University of Minnesota
Kathryn Draeger	Outreach/Energy and Mercury Team	University of Minnesota
William Easter	Cost Evaluation Workshop	University of Minnesota
Alan Ek	Land Team	University of Minnesota
Debra Elias Morse	Support Staff/Editor	CR Planning
Les Everett	Land Use Team Lead	University of Minnesota
Don Fosnacht	Energy and Mercury Team Lead	UM Duluth NRRI
Sue Galatowitsch	Climate Change/Habitat Team	University of Minnesota
Elizabeth Gould	Land/Land Use Team	Bonestroo
Cindy Hagley	Outreach Team Lead	University of Minnesota
Mirja Hanson	Outreach Team	Mirja P. Hanson Associates
Joel Haskard	Energy and Mercury Team	University of Minnesota
Alex Helling	Student Support Staff	University of Minnesota
David Hendrickson	Energy and Mercury Team	University of Minnesota

Kurt Hinz	Support Staff	Bonestroo
Mary Hoff	Science Writer/Editor	Independent Consultant
George Host	Habitat Team Lead	UM Duluth NRRI
Mark Hove	Water Team	University of Minnesota
Annalisa Hultberg	Land Use Team	University of Minnesota
Gregg Johnson	Energy and Mercury Team	University of Minnesota
Kris Johnson	Outreach Team	University of Minnesota
Lucinda Johnson	Water/Land Use Team	UM Duluth NRRI
Wendell Johnson	Energy and Mercury Team	University of Minnesota
Nick Jordan	Land Team	University of Minnesota
Anne Kapuscinski	Fish/Habitat Team Lead	University of Minnesota
Michael Kelberer	Support Staff	University of Minnesota
Steve Kelley	Cost Evaluation Workshop	University of Minnesota
Mike Kilgore	Land/Habitat Team	University of Minnesota
Kathy Klink	Air Team	University of Minnesota
Azra Kovacevik	Energy and Mercury Team-Mercury	University of Minnesota
Dana Kraus	Support Staff	CR Planning
Holly Lahd	Student Support Staff	University of Minnesota
Emily Levine	Student Support Staff	University of Minnesota
Maia Mahowold	Support Staff	CR Planning
Dave Mech	Wildlife Team	University of Minnesota
Ben Meyer	Water Team	Bonestroo
Loren Miller	Fish Team	University of Minnesota
David Mulla	Land Use/Energy and Mercury Team Lead	University of Minnesota
Lance Neckar	Land/Transportation Team	University of Minnesota
Joel Nelson	Energy and Mercury Team	University of Minnesota
Gerald Niemi	Wildlife/Habitat Team Lead	UM Duluth NRRI
Randy Neprash	Water/Land Use Team	Bonestroo
Ray Newman	Fish Team	University of Minnesota
Karen Oberhauser	Wildlife Team	University of Minnesota
Steve Polasky	Cost Benefit Analysis Team	University of Minnesota
Lowell C. Rasmussen	Energy and Mercury Team	University of Minnesota Morris
Peter Reich	Land/Land Use Team	University of Minnesota
Todd Reubold	Support Staff	University of Minnesota
Ciara Schlichting	Recreation Team	Bonestroo
Laura Schmitt-Olabisi	Energy and Mercury Team	University of Minnesota

Ingrid Schneider	Recreation Team	University of Minnesota
Mark Seeley	Air Team	University of Minnesota
Dale Setterholm	Water Team	University of Minnesota
John Shardlow	Land Use Team Lead	Bonestroo
Matt Simcik	Air Team	University of Minnesota
George Spangler	Fish Team	University of Minnesota
Sangwon Suh	Cost Benefit Analysis Team	University of Minnesota
Ashley Tabery	Student Support Staff	University of Minnesota
Steve Taff	Land Use Team	University of Minnesota
Katherine Thering	Transportation Team	University of Minnesota
Mary Vogel	Recreation Team	University of Minnesota
Bruce Vondracek	Fish/Habitat Team	University of Minnesota
Mark Wallis	Water Team	Bonestroo
Bruce N. Wilson	Water Team	University of Minnesota
Dave Zumeta	Energy and Mercury Team	University of Minnesota
Winnie Zwick	Support Staff	CR Planning

Project Advisors – The following individuals provided valuable advice to project teams or participated as advisors on project teams. The recommendations in this report are the sole product of the project team listed above. Project Advisors do not necessarily endorse the recommendations and did not participate in the selection of the final set of recommendations.

Charles Anderson	Fish Team	Minnesota Department of Natural Resources
John Bailey	Land Use Team	Greater Minnesota Housing Fund
Tom Bakritges	Land Use Team	Builders Association of the Twin Cities
Wayne Barstad	Habitat Team	Minnesota Department of Natural Resources
Steve Benson	Wildlife/Habitat Team	Minnesota Department of Natural Resources
Don Berger	Land Use Team	Minnesota Pollution Control Agency
Lyn Bergquist	Land Team	Minnesota Department of Natural Resources
Kristen Blann	Habitat Team	The Nature Conservancy
Daren Carlson	Wildlife/Habitat Team	Minnesota Department of Natural Resources
Steve Chaplin	Habitat Team	The Nature Conservancy
Ian Chisholm	Habitat Team	Minnesota Department of Natural Resources
Clay Cottingim	Water Team	Minnesota Department of Natural Resources
John Curry	Habitat Team	Minnesota Campaign for Conservation
David DeVault	Water Team	United States Fish and Wildlife Service
Bob Engstrom	Land Use Team	Robert Engstrom Company
Anne Gelbmann	Land Use Team	Minnesota Pollution Control Agency
Dianne Granfors	Habitat Team	United States Fish and Wildlife Service
Jim Hafner	Land Use Team	City of Blaine/League of Minnesota Cities
Eric Hedtke	Land Use Team	Minnesota Association of Townships
Ryan Heiniger	Habitat Team	Ducks Unlimited
Carrol Henderson	Wildlife Team	Minnesota Department of Natural Resources
Don Hickman	Land Use Team	Initiative Foundation
Steve Hobbs	Land Use Team	Belwin Foundation
Andrew Holdsworth	Land Use Team	Minnesota Department of Natural Resources
Roy Johnannes	Fish Team	Minnesota Department of Natural Resources
Greg Johnson	Habitat Team	Minnesota Pollution Control Agency
Tim Kelly	Recreation Team	Minnesota Department of Natural Resources
Beth Knudsen	Habitat Team	Minnesota Department of Natural Resources
Thomas Landwehr	Habitat Team	The Nature Conservancy
Bill Lee	Energy and Mercury Team	Chippewa Valley Ethanol Company
Mark Lindquist	Energy and Mercury Team	Minnesota Department of Natural Resources
Kevin Lines	Habitat Team	Water and Soil Resources Board
Jill Mazullo	Land Use Team	1000 Friends of Minnesota

Steve Merchant	Wildlife/Habitat Team	Minnesota Department of Natural Resources
Paul Merwin	Land Use Team	League of Minnesota Cities
Jason Moeckel	Habitat Team	Minnesota Department of Natural Resources
Jim Mulder	Land Use Team	Association of Minnesota Counties
Michael Noonan	Land Use Team	Rottlund Homes
Max Norris	Energy and Mercury Team	Agricultural Utilization Research Institute
Bob Patton	Land Use Team	Minnesota Department of Agriculture
Don Pereira	Water Team	Minnesota Department of Natural Resources
Sharon Pfeifer	Land Use Team	Minnesota Department of Natural Resources
Anne Pierce	Land Use Team	Minnesota Department of Natural Resources
Cordelia Pierson	Land Use Team	The Trust for Public Land
Jane Prohaska	Habitat Team	Minnesota Land
Paul Radomski	Water/Habitat Team	Minnesota Department of Natural Resources
Bart Richardson	Habitat Team	Minnesota Department of Natural Resources
Marty Rye	Habitat Team	United States Forest Service
Dave Schad	Wildlife Team	Minnesota Department of Natural Resources
Susan Schmidt	Habitat Team	The Trust for Public Land
Jon Schneider	Habitat Team	Ducks Unlimited
Don Schreiner	Fish Team	Minnesota Department of Natural Resources
Barb Senness	Land Use Team	City of Plymouth/Assoc. of Metro Municipalities
Luke Skinner	Fish Team	Minnesota Department of Natural Resources
Brian Stenquist	Energy and Mercury Team	Minnesota Department of Natural Resources
Hannah Texler	Wildlife Team	Minnesota Department of Natural Resources
Ray Valley	Habitat Team	Minnesota Department of Natural Resources
Tom Weaver	Land Use Team	Metropolitan Council
Dave Weirens	Land Use Team	Board of Water and Soil Resources
John Wells	Habitat/Energy/Land Use Team	Minnesota Environmental Quality Board
Keith Wendt	Habitat/Land Team	Minnesota Department of Natural Resources
Bruce C. Wilson	Water/Habitat Team	Minnesota Pollution Control Agency
Dave Wright	Fish Team	Minnesota Department of Natural Resources

Key Participant Credentials - Preliminary and Final Plan

Deborah Swackhamer, PhD, University of Minnesota

Dr. Swackhamer is professor of environmental chemistry in the Division of Environmental Health Sciences, School of Public Health. Dr. Swackhamer is an international expert in the chemical and biological processes that control the fate of toxic organic contaminants in the aquatic environment, particularly bioaccumulation of persistent compounds in fish in the Great Lakes; the processes that control exposure to environmental estrogenic compounds; and the development of contaminant indicators of ecosystem health. Dr. Swackhamer served as interim director of the Institute on the Environment (2006–08), and is co-director of the Water Resources Center. She currently sits on the science advisory boards of the U.S. EPA and the International Joint Commission of the U.S. and Canada. She also serves on the advisory board for the National Undersea Research Program of NOAA for the North Atlantic-Great Lakes region, and the Board of Scientific Councilors of the U.S. EPA. She was appointed by Governor Pawlenty to serve in the Clean Water Council in 2007. Dr. Swackhamer is a member of the editorial advisory boards for the journals *Environmental Science & Technology* and *JEM: Journal of Environmental Monitoring*.

Jean Coleman, JD, MA, CR Planning, Inc.

Ms. Coleman has proven skills in managing complex teams over tight time frames and extensive knowledge of using natural resource information in land use planning and zoning. In addition to serving on the core management team, Ms. Coleman served as the consultant team project coordinator. Her primary role was to manage internal communication and document creation and supervise project support personnel. Ms. Coleman has extensive experience in natural resource and farmland protection, preparing comprehensive land use plans and zoning ordinances, group process facilitation, and growth management. Her work combines her interests in planning and law by using public participation and conflict resolution techniques to develop policies, ordinances, and programs. She enjoys working in a variety of landscapes and has managed multiple projects at the neighborhood, township, county, and regional scale.

Todd Arnold, PhD, University of Minnesota

Dr. Arnold is associate professor of fisheries, wildlife, and conservation biology. He has also worked extensively with environmental NGOs, including stints as senior scientist for Ducks Unlimited Canada and scientific director for Delta Waterfowl Foundation. His research focuses on prairie- and wetland-dependent wildlife, especially waterfowl. He has worked on numerous regional issues in waterfowl management, including development of a decision support system for conservation planning in the Canadian prairie pothole region.

Paul Bockenstedt, MA, Bonestroo

Mr. Bockenstedt has over 23 years of experience in the natural resources field, including 13 years of experience with state and county agencies in Iowa and Minnesota, and most recently nine years working throughout the Upper Midwest at Bonestroo. He has been involved with natural resources inventory, conservation, management, and planning at the local, county, regional, watershed and state levels in Minnesota and Iowa since 1992. He has served as the project manager and/or lead ecologist for over 100 natural resource and recreation/parks planning projects and botanical inventories. and written over 125 ecological restoration plans during his career. In addition, he has numerous publications and presentations to his credit.

Les Everett, PhD, University of Minnesota

Dr. Everett is an agronomist and program coordinator at the Water Resources Center, University of Minnesota, where since 1995 he has managed grant-based Extension education and on-farm research/demonstration programs related to water quality. He works closely with Extension and research faculty as well as state and federal agencies to deliver programs on manure, crop nutrient, and tillage management. He was raised on a crop and livestock farm in Iowa, obtained a BS in farm operation at Iowa State University, an MS in agronomy at Cornell University, and a PhD from the Department of Agronomy and Plant Genetics at the University of Minnesota. Prior to his current position, Dr. Everett was a scientist for the International Institute of Tropical Agriculture in Nigeria and Cameroon for 10 years, and prior to graduate training was a U.S. Army officer and a Peace Corps agricultural advisor.

Don Fosnacht, PhD, University of Minnesota

Dr. Fosnacht is director of the Center for Applied Research and Technology Development based at the University of Minnesota Duluth's Natural Resources Research Institute. He oversees the research and development program of over 65 researchers dedicated to fostering economic development of Minnesota natural resources in an environmentally acceptable manner. In addition, he serves as principal investigator on projects related to value added iron creation, aggregate utilization, bioenergy generation, and environmental remediation using mineral processing techniques. He has worked in the metals and mining industry in various capacities concerning technology development and resource utilization. His work has included particle technology characterization, process evaluation, process design, and manufacturing efficiency development. In addition to various professional memberships, Dr. Fosnacht has served on the Governor's Committee on Minnesota Mining's Future and the Tax Policy Advisory Committee. He also led development of the mining roadmap for Minnesota that was funded by the U.S. Department of Energy. He currently is a member of the State of Minnesota Minerals Diversification Committee. Dr. Fosnacht is also co-leader for the Energy Use and Production Subcommittee, for the LCCMR effort concerning development of a statewide conservation and preservation plan. He has authored or co-authored numerous publications, patents and presentations.

George Host, PhD, University of Minnesota

Dr. Host is a senior research associate and landscape ecologist with the Natural Resources Research Institute at the University of Minnesota Duluth and director of the Natural Resources Geographic Information System laboratory at UMD. He currently is principal or co-principal investigator on 15+ research projects distributed across the fields of forest ecology, ecological assessment and indicator development, plant response to atmospheric pollutants, linkages between terrestrial and aquatic systems (particularly with respect to stormwater issues), and data visualization and spatial analyses for land use planning. Dr. Host has over 50 refereed publications, and has served on advisory panels for the Minnesota Department of Natural Resources, the Minnesota Forest Resources Council, and numerous county and municipal groups. Dr. Host managed a GIS analysis to identify lands of high conservation value for the development of conservation easements through the Forest Legacy Program.

Anne R. Kapuscinski, PhD, University of Minnesota

Dr. Kapuscinski is professor of fisheries, wildlife and conservation biology, Sea Grant Extension specialist, and founding fellow of the Institute on the Environment. She also directs the Institute for Social, Economic and Ecological Sustainability (ISEES) and currently co-leads the Ecosystem Science and Sustainability Initiative funded by the Bush Foundation. She is a global leader in conservation of aquatic biodiversity, sustainability science, and biotechnology environmental policy. Her biodiversity research addresses effects of technologies from dams to fish hatcheries, aquaculture and genetic engineering on fish conservation. Her sustainability science research asks how to make our society more resilient to environmental and socioeconomic change, currently through the Minnesota 2050 Project, bringing together citizens and researchers to develop plausible future scenarios and compare them to quantitative trends. She holds a Pew Marine Conservation Fellowship, the world's preeminent marine conservation award, and a USDA Honor Award for Environmental Protection. In 2008, the international Society for Conservation Biology awarded her a Distinguished Service Award for devoting her career to practicing science for the public good. For the U.S. National Academy of Science, Kapuscinski has co-authored three reports on endangered salmon and on genetically engineered organisms, and chaired a committee on genetically modified organisms, wildlife and habitats. She is a frequent scientific advisor to international organizations - UN Food and Agriculture Organization, World Health Organization, World Animal Health Organization, Global Environment Facility, Convention on Biological Diversity; the U.S. government - U.S. Secretary of Agriculture, Food and Drug Administration, congressional hearings; and the state of Minnesota - state agencies and Legislature. She served on the board of trustees of the WorldFish Center of the Consultative Group on International Agriculture Research and is currently on the board of directors of the Union of Concerned Scientists, the Seafood Watch Advisory Board, and WorldFish Center Science Advisory Committee.

David Mulla, PhD, University of Minnesota

Dr. Mulla is the W.E. Larson Chair for Soil & Water Resources in the Department of Soil, Water, and Climate, a fellow in the Institute on Environment, and director of the Precision Agriculture Center at the Univ. of Minnesota. His research focuses on nonpoint source water quality pollution and spatial statistics in agriculture and the environment. He and his colleagues have produced over 160 publications, and their research has been funded at over \$10 million. Dr. Mulla is an internationally recognized researcher and scholar. His research has taken him to Brazil, Canada, England, France, Holland, Germany, Greece, India, Italy, Japan, Jordan, Lebanon, Mexico, Morocco, Niger, Sri Lanka, Sweden, and Switzerland. His scientific peers elected him as a fellow in the Soil Science Society of America (SSSA), and as a fellow in the Agronomy Society of America. In 2000, he received the Minnesota Governor's Commendation for the Lake Pepin Phosphorus Study. In 2002, he received the Visiting Distinguished Faculty Award from the Univ. Kentucky, and the Best Research Paper Award from *J. Soil Water Conservation*. In 2005 the USDA featured his paired watershed study among all integrated water quality research project funded by CSREES in the USA. The same year he was selected to serve on the scientific advisory panel for the Lake Pepin (Mississippi River) sediment and phosphorus TMDLs. In 2007 he was appointed as a founding fellow to the University of Minnesota's new Institute on Environment.

Lance Neckar, MLA, University of Minnesota

Professor Neckar is professor of landscape architecture and serving currently as department chair. Dr. Neckar conducts applied research on the relationships between urban development and the sustainability of water and other resources. His current teaching focuses on sustainable infrastructure. He also brings over 20 years of experience as a registered landscape architect with several award-winning urban design projects. He is acting Director of the Metropolitan Design Center.

Randy Neprash, BS, Bonestroo

Mr. Neprash is a stormwater regulatory specialist and engineer with the Water and Natural Resources Group at Bonestroo. He has served as the technical/administrative consultant for the coalition of more than 100 cities regulated under the NPDES MS4 Stormwater Permit program for more than four years. In this capacity, he has represented cities on the Minnesota Stormwater Steering Committee (MnSSC) and its Operations Subcommittee since its conception. The MnSSC is charged with informing, advising, and coordinating stormwater management efforts across the state. It also provides support for other programs that include stormwater components such as: impaired waters, shoreland management, drinking water source water, wetland management, Minnesota Nonpoint Source Management Plan, federal funding programs, groundwater recharge, watershed organizations, surface water management plans.

Gerald Niemi, PhD, University of Minnesota

Dr. Gerald Niemi is professor of biology and director of the Center for Water and the Environment at the Natural Resources Research Institute at the University of Minnesota Duluth. He also was a Fulbright-Hays scholar to Finland. His primary research interests include birds, Great Lakes ecosystems, conservation biology, and sustainability of natural resources. He has written over 200 articles, publications, book chapters, and technical reports. He has received more than \$18 million in research funding. Dr. Niemi regularly teaches Ornithology and Conservation Biology.

Ingrid Schneider, PhD, University of Minnesota

Dr. Schneider is an associate professor in forest resources and director of the University's Tourism Center. She has broad experience in visitor behavior in outdoor recreation management and sustainable tourism with particular emphasis in visitor attitudes, conflict and constraints. She is a member of the Governor's Council on Tourism.

John Shardlow, AICP, Bonestroo

Mr. Shardlow directs urban planning services for Bonestroo. He has extensive and wide-ranging experience serving clients in both the public and private sectors, and has led many multidisciplinary teams of consultants in large, complex planning projects. His skills include comprehensive and community planning, project planning, redevelopment planning, regulations, and environmental assessments. He is a faculty member of the Government Training Service, and is a member of the America Institute of Certified Planners, the American Planning Association, and Minnesota Planning association, and past president of the Minnesota chapter of the Community Association Institute. He is a past president of the Sensible Land Use coalition, and currently serves on the executive Committee of the Twin Cities Chapter of the Urban Land Institute (ULI).

Matt F. Simcik, PhD, University of Minnesota

Dr. Simcik is an associate professor of environmental health sciences in the School of Public Health. He has broad expertise on air toxins and their interactions with aquatic and terrestrial systems. He is currently president of the International Association of Great Lakes Research.

Sangwon Suh, PhD, University of Minnesota

Dr. Suh is an assistant professor focusing his research on environmental and economic systems analysis in the interface between engineering, economics, ecology and public policy. His expertise lies on building and management of databases, mathematical modeling, and systems analysis. For the last five years he authored or co-authored around 30 peer reviewed journal articles, two books and two commercial databases. He is an associate editor of the *International Journal of Life Cycle Assessment* and serves on the editorial boards of economics and engineering journals. He advises the Eco-Industrial Development Council (EIDC) and the European Commission's Directorate General, the Environment on its Integrated Product Policy (IPP).