

Managing Shared Waters Preliminary Programme

Afternoon Session — Monday, June 24, 2002

2:00–3:30 Concurrent Sessions

Raising Awareness and Improving Decision-making in the Great Lakes Basin

Location — HCC Room 314

Chair: Susan Nameth, Environment Canada

Forging New Partnerships to Enhance Training

Opportunities for Lake Erie Coastal Zone Decision

Makers — Wendy Kellogg, Great Lakes Environmental Finance Centre

The Decreasing Water Levels in the Great Lakes and the St. Lawrence: Rising to the Challenge — Serge Lepage, Environment Canada

Involving the Community in the Wise Use of Water in the Great Lakes Basin — Clive Lipchin, National Wildlife Federation

Implications of Climate Change to Local Coastal

Communities: The Lake Huron Example — Patrick

Donnelly, Lake Huron Centre for Coastal Conservation

How Important is Public Consultation and Involvement in the Great Lakes and St. Lawrence Clean Up?

Location — HCC Webster A

Chair: Moyra Haney, Ontario Public Advisory Council (OPAC)

Bay of Quinte — Manfred Koechlin, OPAC

Purposes, Values, Roles and Responsibilities of the Detroit River Canadian Cleanup Committee (DRCCC) — Tom Henderson, OPAC

Niagara River — Phyllis Kerkoven, OPAC

St. Mary's River — Mike Ripley, OPAC

Lessons Learned, Here's What Can Be Done — John Jackson, OPAC

Sustainable Coastal Communities

Location — HCC Webster B

Chair: Sean Brilliant, Coastal Zone Canada Association

Empowering Communities and Developing Sustainable Livelihoods Towards Coastal Resources Management —

Orlando C. Arciaga and Catherine Demesa, Haribon Foundation for the Conservation of Natural Resources, Philippines

Building Capacity for Sustainability in the Georgia Basin/Puget Sound Ecosystem — Bruce Kay, Environment Canada

Coastal Shore Stewardship Guide for Canada's Pacific

Coast — Graham van der Slagt, Fisheries and Oceans Canada and Jonathan P. Seter, Seter Environmental Resource Consulting

Planning Hamilton's Waters Edge for Sustainability I

Location — HCC Webster C

Chair: Senior Management, City of Hamilton

Setting the Context of a Multi-Use Harbour — Alissa Horbal, City of Hamilton

The Ecological Components of the West Harbour Area —

John Hall, Hamilton Harbour Remedial Action Plan

The Human Components and Connections within the

West Harbour Area — Marilyn Baxter, Bay Area

Restoration Council

Linda Harvey, Vision 2020 and Mary Lou Tanner, City of Hamilton

(workshop will be continued in 4:00–5:30 session)

Children's Water Education Council, Children's Water Festival

Location — HCC Room 202

Chair: Susan Reid, Doon Heritage Crossroads

Peter Gray, Frontline Environmental Management

MSW Case Study — Capacity Development in the Lake Victoria Basin, East Africa

Location — HCC Albion A

Chair: Ralph Daley, UNU/INWEH

William Michael Kudoja, Senior Scientist, Lake Victoria Fisheries Commission

Coastal Governance

Location — HCC Albion B

Chair: Marie Gauthier, Government of Canada

Global Programme of Action for Protection of the Marine

Environment from Land-Based Activities — John Karau,

Fisheries and Oceans Canada

Implementation of Canada's National Programme of

Action for the Protection of the Marine Environment from

Land-Based Activities — Maureen Copley,

Environment Canada

New Directions in the IUCN Global Marine Programme

— Chris Morry and Marie Lagier, IUCN, The World

Conservation Union Global Marine Programme

Managing Shared Waters Preliminary Programme

Afternoon Session — Monday, June 24, 2002

Regional NGO Tackling Environmental Issues and Impacting Decision Making at the Municipal, Provincial and Federal Levels

Location — HCC Albion C

Chair: Mary Muter, Georgian Bay Association

Georgian Bay Environmental Issues — Mary Muter, Georgian Bay Association

How a Not-for-profit Charitable Organization Utilizes Donations and Trained Volunteers — Roy Schatz, Greater Bay Area Foundation

Water Quality Assessment Programs in Southeastern Georgian Bay — Kim Schiefer, University of Guelph

The Use of High Resolution Multispectral Satellite Imagery for Mapping Wetlands Along the Eastern Shores of Georgian Bay — Tanis Archer and Lorne Aspden, Nipissing University

Public Advocacy and Stakeholder Involvement

Location — HCC Chedoke C

Chair: Maxine Westhead, Marine Environmental Quality, Bay of Fundy

Delivering Successful Multistakeholder Processes: Tools and Approaches that Work — Nicole Swerhun, Lura Consulting

The Nile Basin Initiative: NGO Involvement and Capacity Building — Nabil M. El-Khodari, Nile Basin Society

4:00–5:30 Concurrent Sessions

Developing a Framework for Healthy Community Participation

Location — HCC Room 314

Chair: Frances Shamley, Ontario Healthy Communities Coalition

Walkerton-Thames River Communities: Inter Tribal Water Action Project — Patrick Donnelly, Lake Huron Centre for Coastal Conservation

How Important is Public Consultation and Involvement in the Great Lakes and St. Lawrence Clean Up?

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Chair: Moyra Haney, Ontario Public Advisory Council (OPAC)

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MSW Case Study — Capacity Development in the Laurentian Great Lakes Basin Ecosystem

Location — HCC Webster B

Chair: Ralph Daley, UNU/INWEH

Isobel Heathcote, Case Study Author, School of Engineering, University of Guelph

Planning Hamilton's Waters Edge for Sustainability II

Location — HCC Webster C

Chair: Senior Management, City of Hamilton

Setting the Context of a Multi-Use Harbour — Alissa Horbal, City of Hamilton

The Ecological Components of the West Harbour Area — John Hall, Hamilton Harbour Remedial Action Plan

The Human Components and Connections within the West Harbour Area — Marilyn Baxter, Bay Area Restoration Council

Linda Harvey, Vision 2020 and Mary Lou Tanner, City of Hamilton

(workshop continued from 2:00–3:30 session)

Participatory Frameworks for Coastal Resource Users

Location — HCC Room 202

Chair: John Gee, Environment Canada

The Areas of Prime Concern (Zones d'intervention prioritaire (ZIP)) Program: Working with Communities to Protect and Enhance the St. Lawrence River — Madeleine Papineau, Environment Canada

Capacity Building Towards the Management of Coastal Resources: A Case Study in India Sunderbans — Subrata Maity, Bidhan Chandra Krsihi Viswavidyalaya, India

Education Tools and Approaches for Coastal Resource Users

Location — HCC Room 203

Chair: Velma Grover, Youth Representative

Water, Sanitation and the Struggle of Coastal Women in Bangladesh — Begum Shamsun Nahar, Gender and Development Specialist, Bangladesh

Marine Environmental Education in the San Juan Islands — Chih-Fan Tsao, School of Marine Affairs, University of Washington

Training Today's Coastal and Marine Managers from the Western Indian Ocean (WIO) Region on Coastal Zone Management (CZM) — Pamela Abuodha, Kenya Marine and Fisheries Research Institute, Kenya

The Development of Environmental Education in the Coastal Zone of Cienfuegos Province, Cuba — Angel Raul Leon Perez, Centro de Estudios Ambientales de Cienfuegos, Cuba

Managing Shared Waters Preliminary Programme

Afternoon Session — Monday, June 24, 2002

Putting the Coast on the Agenda in Canada and Around the World

Location — HCC Albion A

Chair: Patrick Lawrence, Coastal Zone Canada Association

Integrated Coastal Management (ICM): Lessons Learned and the Challenges Ahead — Larry Hildebrand, Coastal Zone Canada Association

Peter Ricketts, Coastal Zone Canada Association

Brad Barr, Coastal Zone Canada Association

Managing Shared Waters: Lessons Learned I

Location — HCC Albion B

Chair: Samantha Kemp-Welch, Environment Canada

Shoal Lake Watershed Management Plan: Many Governments, Many Issues, One Plan — John Kinkead, J. Kinkead Consulting

Ocean Management and Stewardship — Fisheries and Oceans Canada

Location — HCC Albion C

Chair: Patrice LeBlanc, Fisheries and Oceans Canada

Oceans Act Programs in Department of Fisheries and Oceans (DFO): An Ecosystem Approach to Sustainably Manage the Development of Marine and Coastal Environments — Robert Siron, Fisheries and Oceans Canada

Habitat Conservation and Stewardship Program: Lessons Learned — Lisa De Goes, Fisheries and Oceans Canada

Naturally Connecting Canadians: Oceans Sector Stewardship — Kelly Ballinger and Stephen Virc, Fisheries and Oceans Canada

Land Use Impacts on the Near Shore

Location — HCC Chedoke C

Chair: Murray Charlton, Environment Canada

Durham Region Coastal Wetlands Monitoring Project: A Cooperative Program to Monitor Coastal Wetland Health — Jennifer Utter, Central Lake Ontario Conservation Authority

Towards an Integrated Watershed Approach: Potential Effects of the Changing Land Use Pattern on the Mid-Southern Coast of Bahia, Brazil — Pedro Fidelman, BIOMA, Brazil

Management Strategies for Sustainable Exploitation of Red Algae, Gracilaria sp., an Agarophyte from Cienfuegos, Cuba — Maria Elena Castellanos, Coastal Laboratory of Cienfuegos, Cuba

Managing Shared Waters Preliminary Programme

Afternoon Session — Tuesday, June 25, 2002

2:00–3:30 Concurrent Sessions

The Canada-United States Gulf of Maine Program: Twelve Years of Transboundary Collaboration in a Shared Ecosystem I

Location — HCC Room 314

Chair: Larry Hildebrand, Coastal Zone Canada Association

Susan Snow-Cotter, Massachusetts CZM Program/Gulf of Maine Program

Kim Hughes, New Brunswick Department of Environment and Local Government/Gulf of Maine Program

Brad Barr, National Oceanic and Atmospheric Administration/Gulf of Maine Program

Tim Hennessey, University of Rhode Island

Michael Goffin, Environment Canada

Bruce Kay, Environment Canada

(workshop will be continued in 4:00–5:30 session)

The Canada/US Great Lakes Water Quality Agreement: A 30-Year Retrospective on the Shared Management of One of the World's Largest Freshwater Ecosystems

Location — HCC Webster A

Chair: Susan Nameth, Environment Canada and Vicki Thomas, US Environmental Protection Agency

Gail Krantzberg, International Joint Commission
Paul Muldoon, Canadian Environmental Law Association

Allan Jones, Council of Great Lakes Industries

Kelvin Burch, Pennsylvania Department of Environment

Managing Shared Waters: Lessons Learned II

Location — HCC Webster B

Chair: Shawn Morton, Environment Canada

Jamaica's Agreement with Columbia and the Establishment of the First Legal Joint Management Regime in the Caribbean — Laleta Davis-Mattis, National Environment and Planning Agency, Jamaica

The Nile Basin Initiative and Implementation — Kim Foulds, Nile Basin Society

Integrated Management Despite Jurisdictional Internal Division of Coastal Ecosystems in New Zealand — Marjorie van Roon, University of Auckland, New Zealand

New Approach to Water Management I

Location — HCC Webster C

Chair: Ken Ogilvie, Pollution Probe

Jennifer Moore, Environment Canada

Trent Gow, Thompson Gow Associates

Rick Findlay, Pollution Probe

(workshop will be continued in 4:00–5:30 session)

Integrated Coastal Zone Management Initiatives Around the World

Location — HCC Room 202

Chair: Chris Morry, Coastal Zone Canada Association

Use of Economic Instruments for Integrated Coastal Zone Management in the Mediterranean — Ivica Trumbic, Priority Actions Programme Regional Activity Centre, Croatia

Developing Integrated Coastal Zone Management (ICZM) in Northwest Russia — Vladimir B. Pogrebov, Baltic Fund for Nature, Russia

ICZM Initiatives in Bangladesh — Giasuddin Ahemd Choudhury, Ministry of Water Resources, Bangladesh
Compatibilization of the Environmental Public Policies in the Management of the Brazilian Coastal Area: Case Study of the Litoral Center-north of Santa Catarina's State, Brazil — Marcus Polette, University of Vale do Itajai, Brazil

Management Frameworks for Freshwater and Marine Resources

Location — HCC Room 203

Chair: Paul Smith, Ontario Ministry of Agriculture, Food and Rural Affairs

Water Resource Management for the Great Lakes of Africa — Mariam Nisiima Namanya, Coastal Zone Management Program, Uganda

Designing a Collaborative Process for Integrated Oceans Management: The Eastern Scotian Shelf Experience —

Glen Herbert, Fisheries and Oceans Canada

Nutrient Management in Ontario — Paul Smith,

Ontario Ministry of Agriculture, Food and Rural Affairs

Managing Contaminated Sediments in Shared Jurisdictions — Ansar Khan, Public Works and Government Services Canada

MSW Case Study — Capacity Development in the Chao Phraya River Basin, Asia

Location — HCC Albion A

Chair: Ralph Daley, UNU/INWEH

Monthip Tabucanon, Case Study Author, Department of Environmental Quality, Thailand

Zafar Adeel, Case Study Author, United Nations University, Japan

Great Lakes Coastal Management

Location — HCC Albion B

Chair: Patrick Lawrence, Coastal Zone Canada Association

Experiences with Transboundary Coastal Ecosystem Management in the Great Lakes — Patrick Lawrence, Coastal Zone Canada Association

Managing Shared Waters Preliminary Programme

Afternoon Session — Tuesday, June 25, 2002

Managing the Great Lakes Shorelines in Ontario: Policy, Principles and Practice — Ala Boyd, Ontario Ministry of Natural Resources and Teresa Labuda, Watershed Engineering Services Conservation Halton
Great Lakes Heritage Coast — Brian O'Donoghue, Ministry of Natural Resources

Ocean Management and Stewardship — Fisheries and Oceans Canada

Location — HCC Albion C

Chair: Patrice LeBlanc, Fisheries and Oceans Canada
National Recreational Fisheries Award Program: Recognizing Stewardship in Canada — Art Willett, Fisheries and Oceans Canada
Species at Risk Habitat Stewardship Program: Sydenham River — Shawn Staton, Fisheries and Oceans Canada
Monitoring Marine Mammals — Marc Pakenham, Fisheries and Oceans Canada

Coastal Ecosystems: Challenges and Approaches

Location — HCC Chedoke C

Chair: Jean-Paul Vanderlinden, Université de Moncton

Managing Shared Waters and Sea Ranching: Lessons from a New Brunswick Case Study on Property Rights and Sustainable Community Development — Jean-Paul Vanderlinden, Université de Moncton
Strengthening Capacity for the Management of Shared International Waters in the Gulf of Guinea Region: Contributions of the Gulf of Guinea LME Project — Chike Ukwe, United Nations Industrial Development Organization, Austria
Coastal Ecosystem Management: Rekawa Lagoon, Sri Lanka — Mangala Wickramanayake, Coast Conservation Department, Sri Lanka

Assessing Fish and Ecosystem Health in Contaminated Areas of the Great Lakes Basin I

Location — Sheraton Heritage

Chair: Scott Brown, Environment Canada

The Environmental Effects Monitoring Program for the Pulp and Paper Industry: The Adult Fish Survey — Mark McMaster, Environment Canada
Development of Fathead Minnow Lifecycle Tests for Detection of Reproductive Toxicants in Effluents — Joanne Parrott, Environment Canada
Liver Pathology of Brown Bullhead as an Indicator of PAH Exposure — Vicki Blazer, US Geological Survey
(workshop will be continued in 4:00–5:30 session)

4:00–5:30 Concurrent Sessions

The Canada-United States Gulf of Maine Program: Twelve Years of Transboundary Collaboration in a Shared Ecosystem II

Location — HCC Room 314

Chair: Larry Hildebrand, Coastal Zone Canada Association

Susan Snow-Cotter, Massachusetts CZM Program/Gulf of Maine Program
Kim Hughes, New Brunswick Department of Environment and Local Government/Gulf of Maine Program
Brad Barr, National Oceanic and Atmospheric Administration/Gulf of Maine Program
Tim Hennessey, University of Rhode Island
Bruce Kay, Environment Canada
(workshop continued from 2:00–3:30 session)

Managing on a Lakewide Basis: A Comparison of African and North American Great Lakes Approaches

Location — HCC Webster A

Chair: Michael Goffin, Environment Canada

A Review of the Current Management Strategies and Future Prospects of Lake Victoria in East Africa — Gebhard B. Luilo, University of Dar es Salaam, Tanzania
Cross Border Local Government Partnerships as a Strategy for Sustainable Management of Lake Victoria's Shared Water Resources — Steven Kubuye, Lake Victoria Region Local Authorities Cooperation, Uganda
The Development of a Lakewide Management Plan for Lake Erie: Science and Policy Perspectives — Simon Llewellyn and Murray Charlton, Environment Canada

Successful Ontario Partnerships Enhance the Protection and Conservation of the Great Lakes Basin Ecosystem

Location — HCC Webster B

Chair: Anna Kime, Ministry of the Environment

The Canada/Ontario Agreement (COA): Respecting the Great Lakes Basin — Anna Kime, Ministry of the Environment
The Value of the Land Acquisition Process for the Protection and Conservation of the Great Lakes Basin — Michelle Kanter, Nature Conservancy of Canada
Partnership Efforts in Sport Fish and Juvenile Fish Contaminant Monitoring within the Great Lakes — Alan Hayton, Ministry of the Environment
An Outline of the Province's Efforts to Ensure the Quality and Quantity of Groundwater is Protected Within the Great Lakes Basin and Ontario — Barbara Anderson, Ministry of the Environment

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New Approach to Water Management II

Location — HCC Webster C

Chair: Ken Ogilvie, Pollution Probe

Jennifer Moore, Environment Canada

Trent Gow, Thompson Gow Associates

Rick Findlay, Pollution Probe

(workshop continued from 2:00–3:30 session)

Fisheries Management

Location — HCC Room 202

Chair: Keith Mercer, Coastal Zone Canada Association

Intergovernmental Relations in Great Lakes Fishery Management — Marc Gaden, Great Lakes Fishery Commission

Institutional Dimensions of Shared Resource Management: Upstream/Downstream Problems and the Pacific Salmon — Syma Alexi Ebbin, International Project Office, Institutional Dimensions of Global Environmental Change

Towards Transboundary Coastal Ecosystem Management in the African Great Lakes: Lake Victoria Under Pressure — John Charles Vorster, Nyando Wetlands Conservation Programme, Kenya

Watershed Management — The Holistic Approach

Location — HCC Room 203

Chair: Ben Vanderbrug, Hamilton Conservation Authority

MSW Case Study — Capacity Development and Management of the Coastal Waters in the Caribbean Region

Location — HCC Albion A

Chair: Ralph Daley, UNU/INWEH

Peter Sale, Case Study Author, UNU/INWEH and University of Windsor

Towards A Sustainable Framework for Water Management Within the Great Lakes Basin

Location — HCC Albion B

Chair: Wendy Leger, Meteorological Service of Canada

The Canada/Ontario Water Use and Supply Project — Wendy Leger, Meteorological Service of Canada
Water Resources Decision Support System for the Great Lakes — Michael Donahue, Great Lakes Commission
Towards a Binding Agreement under Annex 2001 of the Great Lakes Charter — Paula Thompson, Ministry of Natural Resources

Water Use and Ecosystem Restoration: An Agenda — Reg Gilbert, Great Lakes United

Strategies for Transboundary Water Management

Location — HCC Albion C

Chair: Marie Lagier, Coastal Zone Canada Association

Transboundary Water Management as Base of Sustainable Development in Central Asia — Talbak Salimov, Tajikistan Research Center for Water Conservation
Participatory Coastal Development Planning as a Strategy for the Management of Trans-Municipal Coastal Zone — Severino G. Salmo III, The Marine Science Institute, University of the Philippines

Transboundary Management Problems in the World's Largest Mangrove Ecosystem: The Sundarbans of Bangladesh and India — M. Ibrahim Khan, Institute of Marine Sciences, University of Chittagong
Transboundary Watershed and Coastal Management in North America and Europe: Examining the Hudson Bay and the Rhone River Watersheds and Adjacent Coasts — Magdalena A.K. Muir, Arctic Institute of North America

International Frameworks for Coastal Zone Management

Location — HCC Chedoke C

Chair: Jack Mathias, Coastal Zone Canada Association

Institutional Frameworks for Coastal Zone Management in the Beaufort Sea — Jack Mathias and Steve Newton, Fisheries and Oceans Canada

On Institutional Frameworks of Transboundary Ecosystem Management in Guanting Basin in China — Fu Chun, Water Resources Engineering, Nanchang University
Integrated Ocean Management and Administrative Structures: A Case Study from the Southern Gulf of Saint Lawrence — Jean-Paul Vanderlinden, Université de Moncton

A Legacy Worth Protecting: Charting a Sustainable Course in the Great Lakes and St. Lawrence River Basin of Canada — John Reed, Office of the Auditor General and Commissioner of the Environment and Sustainable Development

Assessing Fish and Ecosystem Health in Contaminated Areas of the Great Lakes Basin II

Location — Sheraton Heritage

Chair: Scott Brown, Environment Canada

Relation of Reproductive Biomarkers in Brown Bullhead and Contaminated Sediments from Lake Erie Areas of Concern — Stephen Smith, US Geological Survey
Ecological Risk Assessment of Contaminated Sediments at Lake Erie Areas of Concern — Dora Passino-Reader, US Geological Survey

External Abnormalities in Brown Bullhead as an Indicator of PAH Exposure — Vicki Blazer, USGS Field Station, The Ohio State University

(workshop continued from 2:00–3:30 session)

Managing Shared Waters Preliminary Programme

Afternoon Session — Wednesday, June 26, 2002

2:00–3:30 Concurrent Sessions

Canadian Climate Impacts and Adaptation Research Network (C-CIARN): Focusing on Adaptation to Climate Change Along Great Lakes Shores I

Location — HCC Room 314

Chair: Kathryn Parlee, Canadian Climate Impacts and Adaptation Research Network (C-CIARN)

Introduction to C-CIARN — Kathryn Parlee, C-CIARN
Climate Change Impacts on the Driving Forces and the Great Lakes Built Environment — Peter Zuzek, Baird & Associates

Quantifying the Economic Impacts of Climate Induced High and Low Lake Levels on Lake Ontario with the Flood and Erosion Prediction System — Peter Zuzek, Baird & Associates

(workshop will be continued in 4:00–5:30 session)

Characterizing and Conserving Aquatic Diversity in Complex Ecological and Institutional Settings: The Great Lakes Basin

Location — HCC Webster A

Regional Freshwater Biodiversity Conservation Planning in The Nature Conservancy: History, Approaches and Tools for Ecoregional Planning — Jonathan V. Higgins, The Nature Conservancy, Freshwater Initiative
Development and Implementation of a Freshwater Conservation Blueprint for the Great Lakes Region — Michele M. DePhilip, The Nature Conservancy, Great Lakes Initiative

Tools for Great Lakes: Stream Management at Multiple Spatial Scales — Les Stanfield, Ontario Ministry of Natural Resources

Characterizing and Conserving Aquatic Diversity in Complex Ecological and Institutional Settings: The Great Lakes Basin — Gordon Wichert, Ontario Ministry of Natural Resources

Tools for Coastal Zone Management

Location — HCC Webster B

Chair: Peter Ricketts, Coastal Zone Canada Association

Mapping the Gulf of Maine: Building the Link Between Marine Geology and Benthic Habitat to Improve Ocean Management — Susan Snow-Cotter, Massachusetts Office of Coastal Zone Management

Remote Sensing as a Tool for Coastal Zone Management and Monitoring of Environmental Impacts in the Coastal Zone — Paola Almeida Guerra, Escuela Naval Almirante Padilla (ENAP), Colombia

The Application of GIS for Participatory Monitoring and Management of Pollution and Land Use Impacts in the Negombo Lagoon and Dandugam Oya River Basin — Fernando Mirisage Joseph Jayavilal, Central Environmental Authority, Sri Lanka

Assessment of Soil Water Erosion in Middle Mountains of Nepal on Catchment Scale Using GIS-based Models — Sudhir Raj Shrestha, Youth Water Action Team (YWAT), Nepal

Development and Application of Ecosystem Health Indicators I

Location — HCC Webster C

Chair: Harvey Shear, Environment Canada

The History of SOLEC — Harvey Shear, Environment Canada

The SOLEC Process — Paul Horvatin, US Environmental Protection Agency

The SOLEC Indicator Process — Nancy Stadler-Salt, Environment Canada

What are the Indicators Telling Us? — Paul Bertram, US Environmental Protection Agency

(continued in 4:00–5:30 session)

Water Quality and Human Health

Location — HCC Room 202

Chair: Sabrina Barker, Environment Canada

Impacts of Global Climate Change on the Incidence of Waterborne Diseases in Canada — Dominique Charron, Population and Public Health Branch, Health Canada

Study of the Water Quality on the Central Venezuelan Coast and its Relation with Human Health: Present Situation and Perspectives — Lya Neuberger-Cywiak and Dalia Baptista Araujo, Universidad Maritima del Caribe, Venezuela

A Case Study of the Legal and Institutional Aspects of the Okavango River Basin in Southern Africa — Phone Itshekeng, University of Botswana, Botswana

Managing Shared Waters Preliminary Programme

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Articulating the Benefits of Freshwater and Marine Resources

Location — HCC Room 203

Chair: Michael Butler, International Oceans Institute of Canada

Using a Net Environmental Benefit Analysis Model as a Tool for Watershed Management and Natural Resource Stewardship: Great Lakes Basin Demonstration — Mary Jo Kealy, Ch2M Hill

The Ocean Sector as a Contribution to the Economics of the Maritime Provinces — Michael J.A. Butler, International Oceans Institute of Canada

First Nations and Tribal Roles and Perspectives on Managing Shared Waters I

Location — HCC Albion A

Chair: Mike Williams, Walpole Island Heritage Centre

Martin Nantel, Rainy River

Kiersten Cahow, Bad River (WI)

Aki Kwe, Women's Group at Walpole Island

(workshop will be continued in 4:00–5:30 session)

Examining Impacts on Lake Ontario Water Quality

Location — HCC Albion B

Chair: Heather Morrison, Environment Canada

Investigating the Source of the Taste and Odour-causing Compound Geosmin in Nearshore Waters of Western Lake Ontario — Todd Howell, Ministry of the Environment

Do Physical Processes Control Taste and Odour in Lake Ontario? — Ram Y. Rao, Environment Canada/NWRI
North American Great Lakes: Coastal Zone Management — Raj Murthy, National Water Research Institute

Implementing Canada's Ocean Act: Strategies and Priorities I

Location — HCC Albion C

Chair: Jon Lien, Minister's Advisory Council on Oceans

Arthur Hanson, Canada's Ocean Ambassador
Introduction of Minister's Advisory Council on Oceans — Maureen Yeadon, Minister's Advisory Council On Oceans

Bob Rutherford, Oceans Branch, Dartmouth

(workshop will be continued in 4:00–5:30 session)

4:00–5:30 Concurrent Sessions

Canadian Climate Impacts and Adaptation Research Network (C-CIARN): Focusing on Adaptation to Climate Change Along Great Lakes Shores II

Location — HCC Room 314

Chair: Kathryn Parlee, Canadian Climate Impacts and Adaptation Research Network (C-CIARN)

Introduction to C-CIARN — Kathryn Parlee, C-CIARN
Living on the Edge of the Great Lakes in a Time of Climate Change — Philip Keillor, University of Wisconsin, Aquatic Science Centre

Climate Change Impacts and Adaptation along the Great Lakes Shoreline: Potential Implications for Future Management — Ryan Schwartz, Natural Resources Canada, Adaptation Liaison Office

(continued from 2:00–3:30 session)

Examples of Research by the National Water Research Institute Linking Science to Remedial Action Plans in Nearshore Canadian Areas of Concern in the Great Lakes

Location — HCC Webster A

Chair: John Lawrence, National Water Research Institute (NWRI)

Managing Water Quality in Hamilton Harbour: Past, Present and Future — Murray Charlton, NWRI
The Estrogenic Effects of Hamilton Harbour Water on Rainbow Trout — Jim Sherry, NWRI

Spatial and Temporal Trends in Sediment Contamination in the Great Lakes — Chris Marvin, NWRI
Linking Research in Areas of Concern to Remedial Action Plans and Policy — Lee Grapentine, NWRI

Measuring Coastal Environmental Quality

Location — HCC Webster B

Chair: Samantha Kemp-Welch, Environment Canada

Daily Chloride and Mercury Contamination of Lake Ontario by Etobicoke Creek — Rimma Vedom, Hydrology and Environment

The Reference Condition Approach: On Trial in the Minas Basin — Maxine Westhead, Marine Environmental Quality, Bay of Fundy

Salinity Matters in Sustainability: An Analysis of Shrimp and Carp Culture in the Coastal Areas of Bangladesh — Krishna Deb Apurba, Coastal Research Group, Bangladesh

Energy Metabolism During Environmental and Functional Stress — Samson O'omolo, Kenya Marine and Fisheries Research Institute

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Development and Application of Ecosystem Health Indicators II

Location — HCC Webster C

Chair: Harvey Shear, Environment Canada

Towards Ecosystem-based Measurement for Transboundary Watersheds in the Georgia Basin/Puget Sound Region — Geoffrey Thornburn, Environment Canada, Pacific and Yukon Region

Monitoring the State of the St. Lawrence — Serge Villeneuve, Environment Canada, Quebec Region

Measuring Watershed Health: Developing a Report Card on the Health of the Humber River Watershed — Gary Wilkins, Toronto and Region Conservation Authority
(workshop continued from 2:00–3:30 session)

Alien Invasive Aquatic Species in the Great Lakes

Location — HCC Room 202

Chair: David Ullrich, IJC Water Quality Board

Alien Invasive Species in the Great Lakes Basin and the WQB Recommendations — David Ullrich, IJC Water Quality Board

The Great Lakes NOBOB Project: Highlights of a Cooperative Study Between Researchers in Canada and the United States — Sarah Bandoni, University of Windsor

Code of Best Practices for Ballast Water Management: Mandatory Rules Established by the St. Lawrence Seaway — Ivan Lantz, Canadian Shipping Federation

Improving Environmental Management in the Great Lakes Region Using an Integrated Environmental Information System

Location — HCC Room 203

Chair: Donna Chiarelli, Pollution Probe

Peter Rodgers, PRG Associates

Brenda Lorenz, Local Coordinator, Sarnia

Bruce Caswell, Canadian Chemical Producers' Association

First Nations and Tribal Roles and Perspectives on Managing Shared Waters II

Location — HCC Albion A

Chair: Mike Williams, Walpole Island Heritage Centre

Martin Nantel, Rainy River

Kiersten Cahow, Bad River (WI)

Aki Kwe, Women's Group at Walpole Island

(workshop continued from 2:00–3:30 session)

Coastal Habitat Protection

Location — HCC Albion B

Chair: Peter Ricketts, Coastal Zone Canada Association

The Kanu Plain of Kenya: Trend Towards Increased Flood Hazard — Daya Hewapathirane, Health Canada, Safe Environments Program

Determination of the Most Sensitive Tree Species Against the Pollution Stress in the Southern Region of Iran — Anoushiravan Shirvany, University of Tehran

Terrestrial Natural Heritage Strategy for the Toronto and Region Conservation Authority — Lionel Normand, Toronto and Region Conservation Authority

Coastal Erosion Processes at Ceara State, Brazil — Jader Onofre de Morais, University of Ceara State, Brazil

Implementing Canada's Ocean Act: Strategies and Priorities II

Location — HCC Albion C

Chair: Jon Lien, Minister's Advisory Council on Oceans

Arthur Hanson, Canada's Ocean Ambassador
Introduction of Minister's Advisory Council on Oceans — Maureen Yeadon, Minister's Advisory Council On Oceans

Bob Rutherford, Oceans Branch, Dartmouth
(workshop continued from 2:00–3:30 session)

Coastal Zone Management in the Baltic and Black Seas

Location — HCC Chedoke C

Chair: Jack Mathias, Fisheries and Oceans Canada

Black Sea: Problems, Needs and Scientific Potential for Coastal Zone Management — Igor Polikarpov, Leadership for Environment and Development (LEAD), Russia

Managing the Catchment Area to Reduce Nutrient Levels in the Gulf of Riga, Baltic Sea — Barbel Mueller-Karulis, Institute of Aquatic Ecology, University of Latvia

Managing Shared Waters Preliminary Programme

Afternoon Session — Thursday, June 27, 2002

2:00–3:30 Concurrent Sessions

Role of Specialist Firms and Advanced Hydraulic Analysis in Managing Shared Waters

Location — HCC Room 314

Chair: Alan Fok, Environmental Hydraulics Group Inc.

Introduction: Coastal Solutions Contributed by Specialist Consulting Firms — Alan Fok, Environmental Hydraulics Group Inc.

Impacts on Ecosystem Capacity Due to 2D Flow Release from a Dam (St. Clair River) and Thermal Plum Impact from a Plant (St. Lawrence River): Case Studies for Environment Canada (DFO) and the International Joint Commission (IJC) — Alan Fok, Environmental Hydraulics Group Inc.

Pollution Abatement by Improved Drop Shaft and CSO Hydraulics: Case Studies Impacting Hamilton Harbour and Lake Ontario — Christine Adams, P. Eng., City of Hamilton and Jean-Luc Daviau, P. Eng., Environmental Hydraulics Group Inc.

Coastal Sedimentation and Littoral Pollutant Transport: Case Studies Impacting Lake Superior and Lake Ontario — Jean-Luc Daviau, P. Eng., Environmental Hydraulics Group Inc.

The Importance of Sustainable Urban Communities to Transboundary Water Management in the Great Lakes I

Location — HCC Webster A

Chair: Simon Llewellyn, Environment Canada, Ecosystem Conservation Branch

Community Action Sites: A Model for Implementing a Watershed Management Strategy — Gary Wilkins, Toronto and Region Conservation Authority
(workshop will be continued in 4:00–5:30 session)

Water Use

Location — HCC Webster B

Chair: Stein K. Lal, Q.C., The McLal Group

Managing and Financing Canada's Drinking Water — Mary Jane Middelkoop, Stratos Inc.

Institutional and Participatory Frameworks for the Sustainable Development for Water Supply and Sanitation — Nirmala Acharya, Rural Development Services, Nepal

Preserving Water for a Sustainable Development: African Great Lakes Region (Central Africa) — Prosper Hakizimana, Tanganyika Lake University, Burundi
Merrell-Ann Phare, Centre for Indigenous Environmental Resources

Public/Private Partnerships for Sustainable Development

Location — HCC Room 202

Chair: Todd Latham, Ecolog Information Resources Group

Managing Shared Waters: Lessons Learned III

Location — HCC Albion A

Chair: Shawn Morton, Environment Canada

Sustainable Development Policies for Chongming, Changxing and Hengsha Islands — Martin Jaffe, University of Illinois, Chicago

Caspian Sea: Strategies and Potential for Transboundary Coastal Zone Management — Alexei Kouraev, Russia/Nansen International Environmental and Remote Sensing Center (NIERSC), France

The Atlantic Coastal Zone Information Steering Committee and Horizontality — Michael J.A. Butler, ACZISC Secretariat

Depleting Mangroves: A Threat to the Survival of Coastal Fisherfolk of Indus Delta — Zubaida Birwani, Shirkat Gah, Women's Resource Centre, Pakistan

Small-to-Medium Manufacturers: Opportunities for Improving Environmental Performance

Location — HCC Albion B

Chair: Ian Orchard, Environment Canada and Fred Granek, Ontario Centre for Environmental Technology Advancement (OCETA)

Introduction and Context — Ian Orchard, Environmental Industry Green Technologies Program, Environment Canada, Ontario Region

Government Framework for Addressing SME Manufacturers — Daniel Roumbanis, Environment Canada, Ontario Region

Toronto Region Sustainability Program — Fred Granek, OCETA

Managing Shared Waters Preliminary Programme

Afternoon Session — Thursday, June 27, 2002

4:00–5:30 Concurrent Sessions

The Importance of Sustainable Urban Communities to Transboundary Water Management in the Great Lakes II

Location — HCC Webster A

Chair: Simon Llewellyn, Environment Canada

The Duffin's Watershed Management Strategy: A Unique Opportunity to Protect a Near Urban Watershed — Gary Bowen, Toronto and Region Conservation Authority

The Living City Region: Toronto Region Conservation Authorities Vision for the Living City Region — Craig Mather, Toronto and Region Conservation Authority
(workshop continued from 2:00–3:30 session)

The Management and Financing of Drinking Water Systems: Sustainable Asset Management

Location — HCC Webster B

Chair: Ron Shimizu, Resource Futures International

A Submission to the Walkerton Inquiry on Sustainable Asset Management for Drinking Water Systems — Rick Findlay, Pollution Probe

A Sustainable Model for Managing Water System Infrastructure — Reg Andres, R.V. Anderson Associates Limited

Applying the Sustainable Infrastructure Investment Program Model: A Case Study for the City of Hamilton — Betty Matthews-Malone, City of Hamilton
Managing Drinking Water Supply: An Analysis of Policies, Practices and Procedures — Mary Jane Middelkoop, Stratos Inc.

Evaluating Human Impacts

Location — HCC Albion A

Chair: Stein K. Lal, The McLal Group

Sea Water Intrusion in Coastal Areas of Eritrea: A Case Study from Assab — Tesfakiros Haile, University of Asmara and Water Resources Department, Eritrea

Access to Water in Eritrea: Problems and Proposed Measures with Special Reference to Red Sea Coastal Region — K.S. Viswanatham, Water Resources Department, Ministry of Land, Water and Environment, Government of Eritrea

Improvement of Navigation and Transportation Aspect of the Bassac River, Vietnam — Zongyan Yang, SNC-Lavalin Inc.

Oil and Gas in Sudarbans: Effects of Hydrocarbon Operations in the World's Largest Mangrove Ecosystem — M. Ibrahim Khan, Institute of Marine Sciences, University of Chittagong, Bangladesh

Great Lakes United: How a Binational Citizens Coalition Promotes Leadership and Action

Location — HCC Albion A

Chair: John Jackson, Great Lakes United, Kitchener; ON

The Need for International Basin-wide Citizens' Coalitions and the Challenge of Creating and Maintaining Them — John Jackson, Great Lakes United
Great Lakes United's Achievements Over 20 Years — Margaret Wooster, Great Lakes United, New York
The Role of a Regional Coalition in Supporting Grassroots Actions — Lynda Lukasik, Great Lakes United, Ontario