

Table of Contents

Preface

Acknowledgements

1.0) Executive Summary.....	1-1
2.0) Introduction.....	2-1
3.0) Synthesis and Recommendations	3-1
4.0) Literature Cited	4-1
5.0) Keynote Address and Session Abstracts.....	5-1
5.1) Keynote Address – Technologies for Better Decisions in the Huron-Erie Corridor (Russell Kreis).....	5-1
5.2) Stopover Site of Migratory Birds in the Western Lake Erie Basin, Ohio and Michigan: A GIS Analysis (Dave Ewert and August Froelich)	5-5
5.3) Developing Spatially-explicit Models to Guide Conservation of Diving Ducks During Migration (Brendan Shirkley, David Luukkonen, and Scott Winterstein).....	5-9
5.4) Innovative Techniques to Map Phragmites and Wetlands in the Lake St. Clair Watershed (Robb Macleod and Rob Paige).....	5-15
5.5) Mapping Invasive Phragmites with Satellite Imaging Radar in the Coastal Great Lakes (Laura Bourgeau-Chavez, Kirk Scarbrough, Liza Jenkins, Colin Brooks, Richard Powell, Elizabeth Banda, Zach Laubach, Kevin Riordan, Martha Carlson Mazur, and Kurt Kowalski).....	5-18
5.6) Development of Remote Sensing Methods for Detection of Invasive Wetland Plants (Yichun Xie and Anbing Zhang).....	5-22
5.7) Remote Sensing and GIS-Facilitated Biological Monitoring of DRIWR Wetlands (Bill Welsh, Kristi Judd, Yichun Xie, Steve Francoeur, Eugene Jaworski, Gary Hannan, and Anbing Zhang).....	5-27
5.8) Using GIS to Identify Potential Fish Spawning Habitat Remediation Areas in the Huron-Erie Corridor (David Bennion)	5-31
5.9) Using Remote Sensing and GIS Tools to Model and Prioritize a Natural Heritage System (Tom Dufour and Roger Palmini).....	5-35
5.10) Using Technology to Quantify Storm Water Benefits of Green Infrastructure (Amy Mangus and Kelly Karl)	5-39
5.11) Managing Water Quality Data in the Huron-Erie Corridor (Charles Bristol, Sean Savage, and Gary White)	5-45

Table of Contents

6.0) State of the Strait Poster Presentations with Abstracts.....	6-1
7.0) State of the Strait Conference Program	7-1