

Ecosystem-Based Management Tools Database

	Tool Type				Tool Cost				Great Lakes Relevance	Comments on tools relative to potential use in the Great Lakes region.
	Comprehensive Process	Method	Software/Web Tool	Other	Free	<\$100	\$100-\$500	>\$500		
<b>Tools (184)</b>										
AGNPS- Annualized Agriculture Non-Point Source Pollution Model	x				x					
AGWA - Automated Geospatial Watershed Assessment Tool			x		x					
ALCES			x					x		
AmericaSpeaks- 21st Century Town Meeting	x								x	
AQUALAND: The Massachusetts Aquatic Landscape Characterization Tool			x		x					
AQUATOX			x		x					
ArcSWAT			x							
ARIES - Artificial Intelligence for Ecosystem Services			x		x					
ASSETS			x		x					
Atlantis			x		x					
ATLSS- Across Trophic Level Simulation System			x							
BASINS- Better Assessment Science Integrating point & Nonpoint Sources			x		x					
BathyFusion Toolbox			x							
Benthic Terrain Modeler (BTM) v. 3.0			x		x					
Brainstorm Anywhere			x			x				
C-Plan, the Conservation Planning System	x									
CanVIS			x		x					
Caribbean Decision Support System			x		x					
CATS-Consequences Assessment Tool Set				x						
Chesapeake Bay Ecosystem Explorer			x							
CITYgreen			x							
CiviCRM			x		x					
CLAM- The Coastal Lake Assessment and Management Tool	x									
Climate Sensitivity Database			x		x					
Climate Wizard			x		x					
CLUZ- Conservation Land-Use Zoning Software			x		x					
CoastRanger			x			x				
CommonSights			x							
CommunityViz			x				x			
Connle			x		x					
Cormas: Natural Resources and Agent-Based Simulations			x		x					
CORMIX			x							
Corporate ESR: Guidelines for identifying business risks and opportunities		x			x					
CORSET - Coral Reef Scenario Evaluation Tool			x		x					
Costing Nature (Co\$ting Nature)			x							
CPCe - Coral Point Count with Excel extensions			x		x					
CRiSTAL Community-based Risk Screening – Adaptation and Livelihoods	x				x					
Criterion DecisionPlus (CDP)			x					x		
Cumulative Impacts Assessment Tool			x		x					
CVAT Community Vulnerability Assessment Tool	x				x					
DELFT3D			x							

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Desktop GARP			x								
Differential DPSIR			x		x						
Digital Coast: Legislative Atlas			x		x						
DIVA- Dynamic Interactive Vulnerability Assessment			x		x						
DNDC- Denitrification Decomposition model			x								
Dyna-Plan			x						x		
e-Estuary			x		x						
EAR - Ecosystem Assessment & Reporting Tool			x		x						
EASy Mapping Solutions for Marine Resources			x		x						
ECO Lab			x						x		
EcoGIS			x		x						
EcoNetwrk			x		x						
Ecoseed			x								
EcoWin 2000 (E2K)			x						x		
Eelgrass Restoration Site Selection Model			x		x						
EMDS Ecosystem Management Decision Support	x				x						
EngagingPlans			x					x			
EngagingPlans			x								
Eonfusion			x					x			
ERAEF: The Ecological Risk Assessment for the Effects of Fishing		x									
ERSEM- European Regional Seas Ecosystem Model			x								
Eureka!			x		x						
EwE Ecopath with Ecosim	x										
Expert Choice			x								
Fishery Analyst for ArcGIS 9.x			x						x		
Fledermaus Software Suite			x					x			
Global Water Tool			x								
Google Earth	x										
Habitat Digitizer Extension			x		x						
Hazard Assessment Template (HAT)			x		x						
Hazard Mitigation BCA			x								
HAZUS-MH (HAZARDS U.S., Multi-Hazard)			x								
HEC-HMS: The Hydrologic Modeling System			x								
HEP USGS Habitat Evaluation Procedures			x		x						
HPP- Habitat Priority Planner			x		x						
IAN Integration and Application Network Conceptual Diagrams			x		x						
IAN Online Conceptual Diagram Creator			x		x						
IDRISI Andes			x								
ILWIS- Integrated Land and Water Information System			x		x						
IMPLAN			x						x		
INDEX Planning Support Software			x					x			

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InfoGames			x								
Inundation Toolbox			x								
InVEST (Integrated Valuation of Ecosystem Services and Trade-offs)			x		x						
InVitro			x		x						
ISAT Impervious Surface Analysis Tool			x		x						
ISIS-FISH			x								
Kepler scientific workflow system			x		x						
Keypad Polling											
L-THIA: Long-Term Hydrologic Impact Assessment and Non Point Source Pollutant Model			x		x						
LandScope America			x		x						
LCM- The Land Change Modeler			x								
LDW- Logical Decisions for Windows			x								
LEAP - Long Range Energy Alternatives Planning System			x						x		
LINK			x		x						
LQGraph			x		x						
LUPM- The Land Use Portfolio Model			x								
Maptalk	x										
MAPTITE (Marsh Analysis and Planning Tool Integrating Tides and Elevations)			x								
Maptitude GIS & MAPPING SOFTWARE for Windows			x				x				
Marine Conservation Agreements - A Practitioner's Toolkit			x		x						
Marine Integrated Decision Analysis System (MIDAS)			x								
Marine Reserves and Local Fisheries - An Interactive Simulation			x		x						
MarineMap - Marine Protected Areas Decision Support Tool			x		x						
Marxan	x										
Marxan with Zones			x								
Maxent			x		x						
MECON- Model Economic	x										
MEFISTO			x		x						
Mercury			x		x						
MetroQuest	x										
MGET- Marine Geospatial Ecology Tools			x		x						
MIKE 21			x							x	
MIKE 3			x							x	
Minimum-Data Tradeoff Analysis Model (TOA-MD)			x								
MINOE			x		x						
Miradi			x							x	
Miradi Dashboard			x		x						
Mitigation Ratio Calculator			x								
ModelBuilder			x								
ModelBuilder 3D			x								
Monitoring Resources			x		x						



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TownSquare	x										
TROPOMOD			x				x				
TxEMP- The Texas Estuarine Mathematical Programming	x										
UMB- Universal Model Builder	x										
UNIBEST- Uniform Beach Sediment Transport	x							x			
Visual Nature Studio creates detailed and realistic 3D models from animations. It	x										
VIT: Software for Fisheries Analysis											
VSP- Visual Sample Plan	x										
WARMF- Watershed Analysis Risk Management Framework	x										
Watershed Treatment Model	x										
WaterWorld			x		x						
WEAP - Water Evaluation And Planning system			x						x		
WEMo 3.1- Wave Exposure Model	x										
What If? 2.0	x							x			
Wildlife Habitat Benefits Estimation Toolkit			x		x						
WinSLAMM- The Source Loading and Management Model	x						x				
WISE- Watershed Information System			x					x			
World Construction Set											
WQMAP			x								
Zonation	x										
	36	2	134	1	71	2	4	9	13		

Updated: 1/21/2016 by David Hart, University of Wisconsin Sea Grant Institute