Executive Summary

Details on the Bullets Below are found in the Individual Subgoal Sections for the 2002, 2004, 2006, and 2008 LaMP Reports

Goal: To Restore and protect the integrity of the Lake Michigan ecosystem through collaborative place-based partnerships.

Michigan LaMP		Next Steps
l II	2000-2008	
Human Health Subgoal 1 2	2002	Develop an Impaired Waters Strategy
Actions that prevent human exposure to pollutants in the ecosystem and prevent or minimize sources SOLEC Indicator Bundles • Human Health • Coastal Zone • Contamination • Land Use/Land Cover Status Mixed in 2008 • Mixed/Improving by 2010 • Sustainable by 2020 Subgoal 2 We can drink the water Status • Sustainable in 2008 • Sustainable in 2008 • Sustainable in 2010 • Sustainable in 2010 • Sustainable in 2020 Subgoal 3 We can swim in the water Status • Upgraded to moving toward Mixed/Improving in 2008 • Mixed/Improving by 2010 • Sustainable by 2020	Fish advisories for mercury by USFDA and for dioxin by Michigan and Tribes Grand Cal and Fox River AOC sediment cleanup plans underway Sokagon Chippewa Community Bans Burn Barrels Grand I traverse Band of Ottawa and Chippewa Indians ban burning trash/garbage on tribal lands TMDL workshops with regulators and stakeholders held Mercury Phase-Out proposal proposed Drinking water monitoring and reporting information available on the web Great Lakes Beach Conference held Beaches Environmental Assessment and Coastal Health Act of 2000 EPA and FDA Issue joint mercury fish advisory DAVA Legacy Act 2002 to clean up sediments passed and \$10 million appropriated for FY 2004, \$46 million proposed for FY 2005 Fish consumption advisory outreach programs developed for non-English speakers Impaired waters strategy under development Source water assessment programs almost completed Public Health Security and Bloterorism Preparedness and Response Act of 2002 being implemented Drinking water education programs developed Defense Department Developing Rapid Water Quality Testing Technology Constructed welland effectiveness researched Chicago and Milwaukee to control CSOs Cladophora alga resurges Oldophora alga resurges Oldophora alga resurges Mater Susses New Mercury Rules Source Water Assessment and Protection Program – States Complete All Assessments Water Security Plan Required Pharmaceuticals, Hormones and Other Organic Wastewater Contaminants in U.S. Streams More Identifiable NEEAR Water Study Helps Set New Beach Alert Standards Cladophora Alga Continues to Grow Lake Michigan to Clean up Gailen River Policy on Peak Wet Weather Discharges from Municipal Sewage treatment Facilities Proposed Plantage of Paramaceuticals being found in drinking water increasing States building programs to dispose of medicines Saltes building programs to dispose of medicines Lake Michigan to Clean up Gailen River Policy on Peak Wet Weather Discharges from Municipal Sewage treatment Facilities Proposed Policy on Peak Wet Weather Discharges from Mu	 Develop an Impaired Waters Strategy Continue to address sediments and focus more on nearshore contamination Support a mercury product stewardship phase-down Hold collection events for e-waste and pharmaceuticals Work with new WaterSense label and Energy Star program to promote benchmarking energy performance of water utilities Continue Watershed Academy to ensure land use and planning take account of source water issues protection needs Seek funding to develop a source water protection GIS system including recharge areas Enhance local public water supply security awareness Identify resources for public water suppliers to ensure that by 2011 80% of the community water systems will be substantially implementing source water protection plans Identify opportunities to work with the Great Lakes and St. Lawrence Cities Initiative conservation framework of 15% reduction from 2000 to 2015 Continue to implement actions outlined in the Great Lakes Regional Collaboration's Coastal Health Strategy Continue to improve beach monitoring and public notification. Develop and disseminate a standardized sanitary survey tool to identify contamination sources at Great Lakes beaches. Promote measures that will reduce or eliminate pollution sources at Great Lakes Beach Association conferences. Disseminate information and training tools on the use of forecast models at Great Lakes beaches.

Strategic Action Agenda	Subgoals of the Lake	Significant Happenings	Next Steps
	Michigan LaMP	2000-2008	nom etepe
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Restoration and	Subgoal 4	2002	Collaborate with the Great Lakes
Protection	All habitats are healthy,	Perch population still dropping	Fishery Commission on protecting
	naturally diverse, and	Northwest Indiana Advanced Identification of Wetlands Study underway	near and offshore spawning reefs
Actions that restore,	sufficient to sustain	Keystone species (diporeia) in Lake Michigan food web vanishing	Develop process to refine habitat
enhance, and sustain the	viable biological	Supreme Court Ruling narrows wetland regulation	restoration targets through public
health, biodiversity, and	communities	Wisconsin passes wetlands protection law	discussion and promote work
productivity of the		Piping Plover critical habitat designated by USFWS	toward targets
ecosystem	Status	Antrim County, Michigan Wetland Protection ordinance rescinded	Continue to support components of
	 Mixed in 2008 	Wolf populations recovering	biodiversity plans through the
SOLEC Indicator Bundles	 Mixed/Improving 	Habitat and Land Use Management Tool Box under development	Watershed Academy.
Biotic Communities	by 2010	Established a 1994 baseline for land cover	 Identify species sensitive to ground
 Coastal Zone 	 Sustainable by 	NIPC "Biodiversity Recovery Plan" document produced	and surface water interaction and
 Aquatic Habitats 	2020	Northwest Indian greenway plan unveiled	their current distribution
 Invasive Species 		Sturgeon restoration efforts begin	 Provide GIS tools and land use
 Land use/Land Cover 		2004	models in workshops to promote
 Resource Utilization 		Diporeia density continues to decrease	knowledge of and protection of key
 Climate Change 		Dam removals in southeastern Wisconsin improve fish habitat	habitat areas
		Nature Conservancy develops Biodiversity Blueprint	 Promote new stream buffers,
		Chicago signs migratory bird treaty	wetlands, and dam removals using
		Bald eagles return to Little Calumet River	federal, state, local, and private
		Manistee Watershed grant	resources and monitor loss and gain
		Wisconsin non-point source regulation promulgated	trends
		2006	
		Little River Band Release Sturgeon Fingerlings	
		Boardman River Dams settlement Executed	
		Perch Young of the Year larger in number	
		Michigan and Other States Set Wetland Restoration goals	
		USFWS Awards grant to restore Hegewisch Marsh	
		Piping Plover agreement in place	
		Wisconsin DNR works to protect dwarf lake iris	
		Diporeia density continues to decrease	
		Wolves thriving, delisting proposed	
		Chicago Wilderness Report Card released (<u>www.chicagowilderness.org</u>)	
		2008	
		Fish population decreased in 2007	
		Hersey Dam removed from Muskegon River and Sturgeon River Dam removed and river restored	
		States and federal government develop new plan for Lake Michigan Lake trout	
		GLFC releases 2007 Report and Environmental Objectives for lake Michigan	
		More sturgeon than thought found in Muskegon, Manistee, Grand, and Kalamazoo Rivers	
		Michigan DEQ report outlines impacts of beach maintenance	
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	Michigan LaMP	2000-2008	
Cuetain alala Haa	Cultura al F	2002	Double on with the constraint of a set of room
Sustainable Use	Subgoal 5 Public access to open	Governors and Premiers sign Great Lakes Charter Annex 2001	Partner with the growing coastal zone management programs in the Lake
Actions that concurrently	· ·	Indiana moves into Coastal Zone Management program	Michigan basin to ensure that the issue
sustain the health of the	natural areas is	Wisconsin Smart Growth act	of public access to the lake is balanced
environment, the	abundant and	Historic Agreement to Manage Fisheries in 1836 Treaty Waters	with protection of the ecosystem
economy, and the	provides enhanced	Economic valuation studies by Northeast-Midwest Institute, Lake Michigan Federation, and University of Wisconsin Sea Grant	Support a dialogue on green marinas
communities of the	opportunities for	Lake Michigan Potential Damages study continues in sixth year	(see Chapter 9) among states and Sea
ecosystem	human interaction with	USGS Lake Michigan Trends Project funded	Grant programs
	the Lake Michigan	USGS Pollutants of Concern list developed	 Determine protection status of world's
SOLEC Indicator Bundles	ecosystem	Upland Michigan Land Use report	largest collection of fresh water sand
 Contamination 		Federal two-year ban on drilling under the Great Lakes continued in 2003	dunes
	Status	Michigan moratorium on drilling under the Great Lakes	Promote public involvement in
• Invasive Species	Mixed in 2008	Dams removed in Milwaukee and Muskegon Rivers	preservation and stewardship of special
Coastal Zones Associated to the least to the lea	Mixed/Improving	Menominee tribe purchases proposed Crandon Mine site Crave division de sur actual de la companyation de la contraction del contraction de la contraction de la contraction de la contracti	natural areas and public access:
Aquatic Habitats Human Health	by 2010	Groundwater studies document unsustainable withdrawal UIC study shows economic benefits of sediment clean ups	Broaden the dialogue with state and lead government land use planners and
•Land Use/Land Cover	 Sustainable by 2020 	UIC study shows economic benefits of sediment clean ups 2004	local government land-use planners and decision-makers to balance
 Resource Utilization 	Subgoal 6	Crandon Mine site purchased by tribes	environmental and recreational needs
•Climate Change	Land use, recreation,	Northwest Indiana mayors join to remake Indiana lakeshore.	through the Lake Michigan Watershed
	and economic	Lake Michigan water trail proposed	Academy
	activities are	Chicago launches new water agenda.	Provide tools for local communities to
	sustainable and	Michigan governor outlines comprehensive water agenda.	understand the value of the resource
	support a healthy	MMSD creates river revitalization program using easement acquisition.	from a lakewide perspective and
	ecosystem	Chicago diversion deficit reduced faster than planned	develop long-term management
		2006	programs
	Status	Marquette Plan to open Indiana shore	Identify open space multi-use
	Mixed in 2008	Marquette Plan Phase 1 honored by American Society of Landscape Architects Lake Michigan Watershoot Trail proposed and under development.	opportunities and tools for such things as
	Mixed/Improving	Lake Michigan Watershed Trail proposed and under development Sleeping Rear Dunes Developing New Constal Plan	flood retention parks and open space
	by 2010Sustainable by	 Sleeping Bear Dunes Developing New General Plan Great Lakes Governors and Premiers Sign Great Lakes Charter Annex Implementing Agreements 	with commuter bike trails, among others • Assist development of Green: Marina,
	2020	Michigan passes new water withdrawal law	Highway, and Golf Course programs for
	2020	Illinois Governor Orders new water supply study	the basin to reduce inputs of nutrients,
		Lake Michigan diversion "debt" likely repaid in 2004 water year	pesticides, and other pollutants into
		Michigan court decree on walkable beaches	basin waters
		2008	 Promote studies that investigate the
		Predicted impacts of climate change on water resources identified	status of groundwater resources and
		Marquette Plan Phase II Visioning Plan launched	their impact on water quality, aquatic
		Chicago area nature centers found rich in public benefit	habitat, and levels of Lake Michigan
		Fishtown, Michigan receives NOAA Preserve America Initiative grant	Support studies to determine sustainable
		Michigan and five tribes agree on tribal hunting and fishing	yields for Great Lakes water resources
		Chicago Wilderness launches "No Child Left Inside" program	Continue to promote studies that
		• International Upper Great Lakes Study preliminary report indicates the armored layer of the St. Clair River is stable and not eroding	investigate the economic value of
		USEPA issues Green Infrastructure policy that is shared with state, local, and tribal governments and watershed groups Chicago developing comprehensive elimeter change strategy.	remediating contaminated sites as
		 Chicago developing comprehensive climate change strategy Brookings Institute releases three studies on Great lakes regional economic leadership and stability 	reported in LaMP 2006 • Promote a basin-wide opportunities for
		- brookings institute releases timee studies on Great takes regional economic leadership and stability	green areas that sequester carbon
			green areas that sequester earborn
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Strategic Action Agenda	Subgoals of the Lake	Significant Happenings	Next Steps
Strategie Nettori Agenda	Michigan LaMP	2000-2008	next steps
Remediation and	Subgoal 7	2002	Impacts of climate change
Pollution Prevention	Sediments, air, land,	Lake Michigan Mass Balance (LMMB) findings published	 Lack of comprehensive
	and water are not	PCB levels in lake trout achieving equilibrium	understanding of pollutant
Actions that achieve	sources or pathways of	U.S. EPA Atrazine Reassessment initiated	movement and remediation
substantial pollution	contamination that	IADN results consistent with LMMB findings	
reduction by remediating	affect the integrity of	Bush administration announced climate change and "Clear Skies" initiatives	makes the goal of reaching
sites, controlling	the ecosystem	1999 Toxic Air Emissions inventory released	sustainability by 2020 difficult
pathways, preventing or	3	U.S. EPA published Air Great Lakes Deposition (GLAD) Strategy	 Impacts of increased global
minimizing sources	Status	PCB/mercury Clean Sweep in Cook County, IL	mercury emissions
3	 Mixed in 2008 	Wisconsin mercury regulations	 Increasing monitoring of existing
SOLEC Indicator Bundles	 Mixed/Improving 	States act to control animal operations	and emerging stressors on the
Contamination	by 2010	New aquatic nuisance species found in Lake Michigan	
•Land Use/land Cover	Sustainable by	Michigan Ballast Water Bill	lake
•Invasive Species	2020	St. Lawrence Seaway Corporation to incorporate ballast water practices	 Need to set delisting targets for
vas.va apaalas	2020	Chicago River invasive species dispersal barrier installed	Areas of Concern and resources
	Subgoal 8	ANS Task Force and Great Lakes Panel on ANS continue work to control ANS	to implement cleanup actions
	Aquatic and terrestrial	2004	Conduct education and outreach on
	invasive species are	Corps funding secured for building permanent Asian Carp barrier on Chicago River system	aquatic invasive species.
	prevented and	Wisconsin begins mandatory rural NPS program	Eliminate ship and barge-mediated
	controlled	Michigan and Indiana add animal operation to permits	introductions and spread of AIS in the
	Controlled	Milwaukee Metropolitan Sewerage District adopts mercury dental program.	Great Lakes.
	Status	Michigan proposes new NPDES permit for CAFOs	Enact federal, state, and/or local
	 Downgraded to 	National Aquatic Invasive Species Act of 2003 passed.	governments measures that ensure
		2006	the region's canals and waterways
	moving toward Mixed/	Quagga Mussels Increasing in Number to Compete for Food with Native Mussels	are not a vector for AIS.
	Deteriorating in	Cound and Bubble Barrier Could Deter Asian Carp	Take immediate steps at the federal
			and state government level to
	2008, possible	PCB, Mercury and Nutrient findings from LMMB: Foregonated PCB concentrations in Joke traut may permit unlimited consumption as early as 2020 at Styragon Boy and 2044 at Sourcetuck.	prevent the introduction and spread
	deterioration	Forecasted PCB concentrations in lake trout may permit unlimited consumption as early as 2039 at Sturgeon Bay and 2044 at Saugatuck PCB transfer in the Appropriate Language and a limit of the Appropriate Consumption as early as 2039 at Sturgeon Bay and 2044 at Saugatuck PCB transfer in the Appropriate Consumption as early as 2039 at Sturgeon Bay and 2044 at Saugatuck PCB transfer in the Appropriate Consumption as early as 2039 at Sturgeon Bay and 2044 at Saugatuck PCB transfer in the Appropriate Consumption as early as 2039 at Sturgeon Bay and 2044 at Saugatuck PCB transfer in the Appropriate Consumption as early as 2039 at Sturgeon Bay and 2044 at Saugatuck PCB transfer in the Appropriate Consumption as early as 2039 at Sturgeon Bay and 2044 at Saugatuck PCB transfer in the Appropriate Consumption as early as 2039 at Sturgeon Bay and 2044 at Saugatuck PCB transfer in the Appropriate Consumption as early as 2039 at Sturgeon Bay and 2044 at Saugatuck PCB transfer in the Appropriate Consumption as 2039 at Sturgeon Bay and 2044 at Saugatuck PCB transfer in the Appropriate Consumption as 2039 at Sturgeon Bay and 2044 at Saugatuck PCB transfer in the Appropriate Consumption as 2039 at Sturgeon Bay and 2044 at Saugatuck PCB transfer in the Appropriate Consumption at 2044 at Saugatuck PCB transfer in the Appropriate Consumption at 2044 at Saugatuck PCB transfer in the Appropriate Consumption at 2044 at Saugatuck PCB transfer in the Appropriate Consumption at 2044 at Saugatuck PCB transfer in the Appropriate Consumption at 2044 at Saugatuck PCB transfer in the Appropriate Consumption at 2044 at Saugatuck PCB transfer in the Appropriate Consumption at 2044 at	of AIS through the trade and potential
	Mixed/Improving	PCB trends indicate that concentrations are declining in all media Attraction and application in the process of BCBs to the lake (from accuracy inside and autists the basis).	release of live organisms.
	by 2010	Atmospheric deposition is the major current route of PCBs to the lake (from sources inside and outside the basin) Chicago where are in a substantial atmospheric source of PCBs to Lake Michigans.	Establish a Great Lakes Aquatic
	Sustainable by	Chicago urban area is a substantial atmospheric source of PCBs to Lake Michigan There is a sluve michigan area of PCBs from and integrals and out to the substantial atmospheric source of PCBs from and integrals and out to the substantial atmospheric source of PCBs from and integrals and out to the substantial atmospheric source of PCBs from and integrals and out to the substantial atmospheric source of PCBs from and integrals and out to the substantial atmospheric source of PCBs from and integrals are substantial atmospheric source of PCBs to the substantial atmospheric source of PCBs from and integrals are substantial atmospheric source of PCBs from and integrals are substantial atmospheric source of PCBs from and integrals are substantial atmospheric source of PCBs from and integrals are substantial atmospheric source of PCBs from and integrals are substantial atmospheric source of PCBs from and integrals are substantial atmospheric source of PCBs from a substantial atmospheric source of PCBs from and integrals are substantial atmospheric source of PCBs from a substantial atmospheric source of PCBs fr	Invasive Species Integrated
	2020	• There is a dynamic interaction among water, sediments, and the atmosphere where large masses of PCBs from sediments cycle into and out	Management Program to implement
		of the lake via the atmosphere as vapor phase	rapid response, control, and
		The current major source of mercury to the lake is from atmospheric deposition. Madeling south and according to the source of the so	management programs and assess
		Modeling results suggest that a significant amount of the existing mercury settling out of water is being recycled back into the system. Also Michigan as the early and the system and the law CIMOA and the Association.	the effectiveness of those programs.
		Lake Michigan phosphorus loads and concentrations are low and below GLWQA and IJC targets Tile stories are the project of about borne to be local Michigan.	the enectiveness of those programs.
		Tributaries are the major source of phosphorus to Lake Michigan	
		Highest concentrations can be observed in selected nearshore zones near tributary mouths and in Green Bay	
		Green Bay clean-up agreements announced	
		2008	
		Lake Michigan Mass Balance resampling results released showing reductions in calculated loads of PCBs and mercury	
		Draft GLRC mercury Product Stewardship phase-down strategy released	
		Great lakes basin program for soil erosion and sediment control reauthorized	
		New Grand Calumet River Great Lakes Legacy Act Project Agreement signed.	
		Michigan begins to apply AOC delisting document	
		St. Lawrence Seaway Corporation require all ships coming to the Great lakes from foreign waters must flush ballast tanks with sea water	
		20th anniversary of introduction of zebra mussels into the Great lakes see their numbers declining and invasive quagga mussels numbers	
		increasing at rates higher than zebra mussels at their height	
		VHS virus found in all Great lakes	
		New ANS Mysidacea found in Lake Michigan	
		Chicago Sanitary and Ship Canal Electric Barrier fully funded	
		Black carp listed as an injurious species	

Strategic Action	Subgoals of the Lake	Significant Happenings	Next Steps
Agenda	Michigan LaMP	Significant Happenings 2000-2008	ivext steps
Information Sharing,	Subgoal 9	2000-2008	Develop projects utilizing the Lake Michigan LaMP
Collaboration and	Ecosystem stewardship	Lake Michigan Forum developing Stewardship trust	watershed fact sheets, land use management
Stewardship	activities are common	State of Lake Michigan Conference held - November 2001	tool box and exploration of other tools.
Stewardship	and undertaken by	Forum/Grand Valley State University "Making Lake Michigan Great Tour" continues to educate about Lake Michigan	Provide additional education and outreach
Actions that provide	public and private	ecosystem during summer cruises	materials on water conservation and source
data access and	organizations in	Great Lakes Strategy released in 2002 by U.S. EPA	water protection.
exchange, facilitate	communities around	Great Lakes Human Health Network established	Continue the Lake Michigan Watershed
involvement, and build	the basin	Voluntary monitoring Conference March 2002	Academy, support GIS and modeling workshops
capacity	tire basiii	Wingspread Accord signed	and obtain and provide small implementation
capacity	Status	Participation by regional councils in watershed planning and water supply conferences	grants to local communities.
SOLEC Indicator	Mixed in 2008	2004	Continue to build layers for the on-line habitat
Bundles	Mixed/Improving	Watershed Academy training held and 6 regional conferences held or planned	atlas.
Contamination	by 2010	Indiana Coastal Zone program gives out first grants	Hold FY 2009 State of Lake Michigan Conference
Biotic Communities	Sustainable by	Illinois Conservation Congress recommends investigation of CZM participation	in Milwaukee, Wisconsin.
•Invasive Species	2020	Great Lakes Cities Initiative launched	Continue the research vessel boat tour - Making
• Coastal Zones	Subgoal 10	Illinois Ecosystem Partnership for Lake Michigan in development	Lake Michigan Great combined with outreach
Aquatic Habitats	Collaborative	Waukegan recognized as an EPA Environmental Justice community	and teacher workshops.
•Human Health	ecosystem	Great Lakes restoration bill introduced into Congress	Continue publication of the Lake Michigan
 Land Use/Land Cover 	management is the	EPA utilizes watershed focus	Partnership Directory in each LaMP
 Resource Utilization 	basis for decision-	Mona Lake Watershed Stewardship Assessment completed	Continue development and linkage of local
 Climate Change 	making in the Lake	Illinois-Indiana-Wisconsin planning agencies agree to consistent groundwater planning	watersheds with basin-wide issues and activities
	Michigan basin	2006	through the Watershed Academy and partnering
	_	President signs Executive Order organizing Great Lakes Regional Collaboration	with state programs
	Status	• Great Lakes Regional Collaboration sees participation by numerous organizations and releases report and recommendation	Coordinate LaMP and GLBTS efforts on PCBs and
	 Mixed in 2008 	in December 2005	mercury
	 Mixed/Improving 	Regional planning agencies follow-up on Phase II Watershed Academy activities	LMMCC continues leadership role for
	by 2010	Lake Michigan Forum performs watershed assessment for Baird Creek	collaborative monitoring in 2010
	 Sustainable by 	NIRPC releases Water Conservation and Protection Toolkit	Coordinate with the four Coastal Management
	2020	NIPC releases 2040 regional framework plan with tools for decisionmakers	programs to explore partnership opportunities
		Michigan and Indiana Cooperate in Developing the St. Joseph River Watershed Management Plan	Explore partnerships with key EPA volunteer
		Great Lakes governors and Premiers sign Great Lakes Charter Annex Implementation Agreements	programs like Climate Change, Clean Ports,
		2008	Clean Marinas, and Pesticide Environmental
		USEPA using watershed scale for implementation more frequently	Stewardship
		Michigan builds "Clean Marina" program	
		USEPA and Forest Service sign agreement to restore water quality in national forests	
		Binational toxics Strategy under review	
		Great Lakes and St. Lawrence Mayors develop water conservation goals	
		Great lakes Water Quality Agreement under review	
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Strategic Action	Subgoals of the Lake	Significant Happenings	Next Steps
Agenda	Michigan LaMP	2000-2004	
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Research and	Subgoal 11	2002	Report on Lake Michigan nearshore
Monitoring	We have enough	LMMB project findings	and food web issues for Great Lakes
	information/data/unde	Lake Michigan Monitoring Coordinating Council monitoring and assessment inventory	Regional Research Information
Actions that monitor	rstanding/indicators to	Lake Michigan Monitoring Assessment report released	Network
the ecosystem, reduce		Beach monitoring program (BEACH) created by U.S. EPA	Review monitoring and research to
uncertainty, and inform	making process	BEC statement and monitoring conference	identify LaMP pollutants and trends to
our decisions		IJC/Delta Institute/Lake Michigan Forum Air Deposition Workshop	determine if LaMP pollutants list needs
	Status	Great Lakes Wetlands Consortium consolidates wetland information	to be changed
SOLEC Indicator	 Mixed in 2008 	EPA/ORD wetlands indicators	Complete, analyze, and publish
Bundles	 Mixed/Improving 	LaMP pollutant list review	coordinated monitoring results for the
	by 2010	Beach Conference, web site, and manager's group	lake intensive monitoring year 2005
 Proposed new 	 Sustainable by 	2004	Ensure Lake Michigan models will be
"Well-Being"	2020	National Park Service monitoring begins	documented further, and additional
bundle		Lake Michigan Monitoring Council develops 2005 intensive monitoring year plan	scenarios simulated with results shared
		 Midwest Spatial Information Partnership formed - Workshop held in conjunction with Lake Michigan Watershed Academy 	through the LaMP and in other ways
		LMMB data sets available	 Assist coordination for the intensive
		Ann Arbor Statement on long-range atmospheric transport proposed	year and the national coastal
		2006	assessment year monitoring programs
		USGS maintains surface water-quality network for streams in the Lake Michigan basin	for 2010
		 GLNPO's Aquatic Contaminant Monitoring program completes FY 05 Intensive Year of Monitoring 	Use 2008 Lake Michigan Pilot funding,
		First collaborative Lake Michigan basin-wide FY 05 Year of Intensive Monitoring completed	for sampling and analysis, to refine
		2008	monitoring plans
		Lake Michigan serves as national groundwater monitoring pilot	Utilize FY05 and other monitoring data
		EPA using new nearshore monitoring tool, the Traxus	to aid in adaptive management
		 GLNPO continues water quality surveys on the newly renamed "Peter L. Wise Lake Guardian" 	review of LaMP Pollutant List (See
			page 11-2 and Appendix A for more
			information)