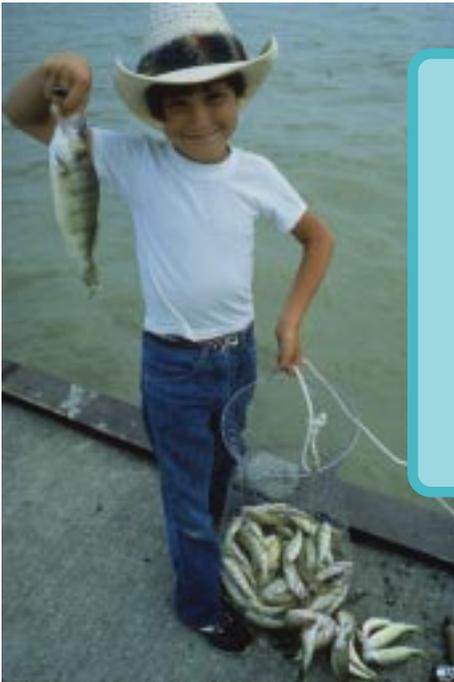


First Annual Progress Report
September 6, 2001



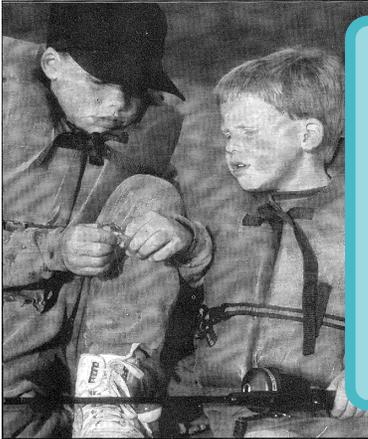
Water Quality:

(WQ - 1) Promote the acceptance by all Great Lakes states of the standardized Great Lakes protocol for the determination of fish consumption advisories by 2001. ODH, ODNR, OEPA

ACTION COORDINATOR: Dr. Deborah Arms; Chief, Division of Prevention – Ohio Department of Health

| Year | Agency | Action | Results |
|------|-------------------------------|--|---|
| 1994 | ODA, OEPA, ODNR, ODH | All agencies agree to adopt the Great Lakes Protocol with minor modification. This was first applied to Lake Erie in 1994, and subsequently adopted for all Ohio water bodies. | Ohio was one of the first states to adopt principles of the Great Lakes Protocol. |
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OHIO SPORT FISH
CONSUMPTION ADVISORY



OHIO DEPARTMENT OF HEALTH

Water Quality:

(WQ-2) Support efforts to communicate fish consumption advisories with the public. Reach out to the majority of the Ohio fishing population with this information by 2001. ODH

ACTION COORDINATOR: Dr. Deborah Arms; Chief, Division of Prevention – Ohio Department of Health

| Year | Agency | Action | Results |
|------|------------------|---|--|
| 1998 | ODH, OEPA, USEPA | Advisory information is posted on all three web sites. | Improved outreach to general public. |
| 1998 | ODH | Advisories are distributed through Ohio River Lockmasters. | Improved outreach to Ohio River anglers. |
| 1998 | ODH | Advisories are distributed through National Technical Association of Black Envoys and the Native American Indian Council. | Improved outreach to minorities. |
| 1999 | ODH | Established toll-free telephone number to receive advisory inquiries. | Improved outreach to general public. |
| 1999 | ODH | Established mailing list based on advisory inquiries. | Improved outreach to general public. |
| 1999 | ODNR, ODH | ODNR agrees to disseminate advisories through their distribution system. | Improved outreach to general public. |
| 1999 | LEC Office, ODH | Lake Erie Commission Office volunteers to distribute advisories. | Improved outreach to Lake Erie anglers. |
| 1999 | ODH | Advisories are distributed through Women's Health, WIC, and Help Me Grow Programs. | Improved outreach to sensitive populations. |
| 1999 | ODH | Distributed advisories through the Ohio Environmental Council. | Improved outreach to watershed groups subsistence fishermen. |
| 2000 | ODH | Souvenir magnets are made available at the ODH Ohio State Fair Display Booth. | Improved outreach to the general public. |
| 2000 | ODH | Promotional posters are displayed through State of Ohio Library System. | Improved outreach to general public. |
| 2000 | ATSDR, LEC, ODH | Promotional souvenir magnets and posters are distributed by Lake Erie Commission Office to north shore school systems as part of environmental education. | Improved outreach to children and their families. |

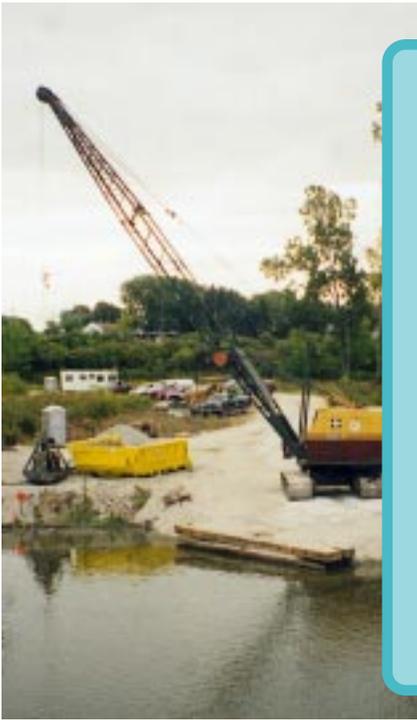


Water Quality:

(WQ-3) Prioritize funding for research concerning the bioaccumulation of contaminants and their pathways, and health impacts to humans and wildlife. *OEPA, ODH, Lake Erie Commission, Ohio Sea*

ACTION COORDINATOR: Lisa Morris; Chief, Division of Surface Water - Ohio EPA

| Year | Agency | Action | Results |
|---------|----------|---|--|
| Ongoing | Ohio EPA | In the past.,as research or additional monitoring was identified as needed to make management decisions, Ohio EPA has contacted researchers with expertise in that particular area to collaborate on developing a project. Ohio EPA then assisted the researchers by helping to find funding. | Several projects completed or underway include: contaminants in snapping turtles; analysis of eagle blood for contaminants; background sediment contaminant concentrations in streams in the Lake Erie basin; impacts of zebra mussels on accelerating bioaccumulation of contaminants in the food chain. These results have allowed us to determine if beneficial uses in an area were impaired, where sediment cleanups were needed, and where there may still be ongoing sources of contaminants. |
| 2000 | LEC | Awarded grant to Wright State University – “Developing the Bald Eagle as a Lake Erie Biosentinel”. Will look at contaminant trends in bald eagle tissue samples during the past 15 years. | Expected September 2001 |
| 2000 | LEC | Awarded grant to Ohio State University – “Food Web and Feeding Influences on PCB Bioavailability”. Will investigate contaminant bioaccumulation in zebra mussel – round gobies pathway. | Expected September 2003 |



Water Quality:

(WQ-4) More strongly support efforts to assess and address contaminated sediments. Consider sediment remediation as part of overall environmental improvement and as a cross program issue – not as a separate topic. *OEPA, ODH*

- Establish standardized criteria by which to evaluate sites in the Lake Erie watershed
- Continue to support weight of evidence approach to prioritize sites in the Lake Erie watershed
- Continue to expand assessments to include ecological risks as well as human health factors.

ACTION COORDINATOR: Lisa Morris; Chief, Division of Surface Water – Ohio Environmental Protection Agency

| Year | Agency | Action | Results |
|------|---|---|--|
| 2001 | Ohio EPA | Review existing studies and reports to establish reference guidelines for screening/assessment. | Common reference guidelines to be used in assessing Voluntary Action Program (VAP) sites. Lake Erie harbors and tributaries for potential contamination. |
| 2002 | Ohio EPA with USGS, USEPA and Env. Canada | As part of the Lake Erie Lakewide Management Plan (LaMP), map and evaluate surficial sediment, fish tissue and water quality along with sources of contaminants to Lake Erie proper and tributary/harbor areas. | Mapped results to be used to assist in identifying the most contaminated areas around the lake in connection with source areas. This will allow priority action areas for further pollution control or remediation to be identified. |
| 2002 | Ohio EPA | Evaluate existing biocriteria reference site surficial sediment data to determine regional reference values for metals concentrations in sediment. | Development of reference guidelines incorporating characteristics peculiar to particular regions. |
| 2001 | Ohio EPA | Adopt an updated sediment sampling methods manual into Agency procedures and put up on web site. | Use of common methods by all collecting sediment samples, either within or outside the agency will result in comparable results. |



Water Quality:

(WQ-5) Create information clearinghouse for all Ohio Lake Erie contaminant sediment and fish tissue data by 2003. OEPA

ACTION COORDINATOR: Lisa Morris; Chief, Division of Surface Water – Ohio Environmental Protection Agency

| Year | Agency | Action | Results |
|------|----------|---|---|
| 2003 | Ohio EPA | Develop background justification and strategic approach to request funding in next biennium budget (SFY04 & SFY05). The current Agency funding does not provide resources to create such a clearinghouse by 2003. | Specific funding in next biennium budget period at a level sufficient to manage database and provide a clearinghouse function. This is something that needs to be addressed Statewide and not just for the Lake Erie Basin. |
| 2002 | Ohio EPA | As part of the USGS NAWQA program, and the Lake Erie LaMP, USGS has collected much existing sediment and fish tissue data for the Lake Erie Basin into a common database for use in GIS mapping. Ohio EPA is working with them to coordinate and expedite entering additional data. | Use of communication and coordination among government agencies to make efficient use of scarce resources to develop a product that will be invaluable to future decision making. |
| 2003 | Ohio EPA | Submit a proposal to the Lake Erie Protection Fund to hire interns to enter existing, non-recorded Ohio EPA-generated data into existing databases. Data collected by outside agencies and consultants would be entered if time allowed. Based on past LEPF decisions, this proposal would likely be submitted in 2003. | Updated sediment and fish tissue databases for the Lake Erie watershed only. Data collected in the Ohio River basin would not be entered as part of this project, although the ultimate goal is to have one common database for the entire State. |



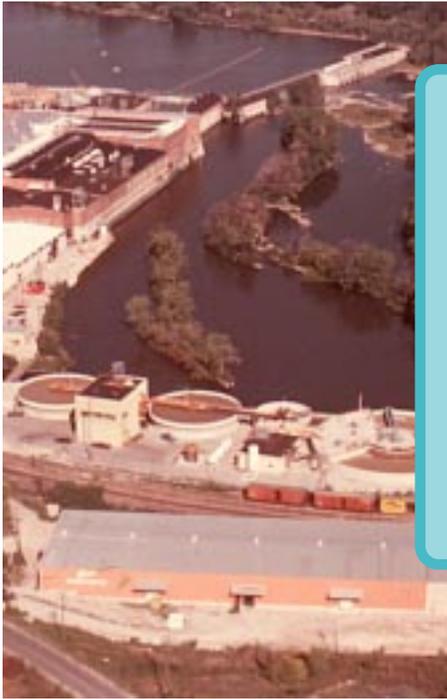
Water Quality:

(WQ-6) Implement laws and rules for new permitting requirements and operation of private home septic systems. *ODH, Ohio General Assembly*

- Require permits to install and operate home septic systems
- Require operational assessments of new and existing home septic systems
- Establish funding mechanisms at both state and local levels to cover costs of sewage disposal program activities
- Support additional use of existing OEPA-DEFA funding programs for replacement or upgrades of malfunctioning home sewage systems

ACTION COORDINATOR: Rebecca Maust; Chief, Division of Quality Assurance – Ohio Department of Health

| Year | Agency | Action | Results |
|---------|-------------------------------------|---|--|
| 2000 | ODH, Ohio General Assembly | Introduction of Senate Bill 105 regarding comprehensive changes to state and local sewage treatment programs, including operational assessments of systems, funding mechanisms for programs, state oversight of local programs, and use of new technology in conducting programs. | SB 105 passed the Ohio Senate by a 31 to 1 vote but failed to be passed by the Ohio House of Representatives. |
| 2000/01 | ODH ODH | Reviewed and drafted revisions to the state minimum sewage code. Input was gathered from all interested parties through a series of public meetings held around the state. | Revised sewage rules are to be presented to the Ohio Public Health Council and JCARR in February 2002 for adoption. |
| 2000/01 | ODH | Coordinated with OEPA and local health districts in providing information on potential funding sources for upgrading or replacement of malfunctioning sewage systems. An information handout on funding sources was developed by ODH for distribution to interested persons. | Information on funding sources has been made available to homeowners that need to repair or replace individual sewage systems. |
| 2000/01 | ODH | ODH cooperated with the OEPA in the development of a draft NPDES General Permit for discharges from household sewage disposal systems. Adoption of this permit will allow better control of discharges to the waters of the State from these types of systems. | Permit is under consideration for adoption in 2002 by the Director of the OEPA. |



Water Quality:

(WQ-7) Assist each Lake Erie watershed county in establishing a self-supporting House Bill 110 inspection program by 2003. *OEPA, Lake Erie Commission*

- Require biennial inspections for semi-public sewage treatment facilities

ACTION COORDINATOR: Jeff Busch; Executive Director, Ohio Lake Erie Commission

| Year | Agency | Action | Results |
|-----------|----------------------|--|--|
| 1999-2000 | Lake Erie Commission | <p>Lake Erie Protection Fund grants were awarded in these years to Ashtabula and Summit counties to implement House Bill 110 programs that would establish self-supporting semi-public sewage treatment facility inspection programs.</p> <p>The LEC will encourage counties in the Lake Erie watershed that have not yet implemented House Bill 110 programs to compete for Lake Erie Protection Fund support or other grant fund support to do so.</p> | The grants have instituted inspection programs in Ashtabula and Summit counties. |
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Water Quality:

(WQ-8) Declare Ohio's portion of Lake Erie a "No Discharge Zone" by 2003. *ODNR, ODH*

ACTION COORDINATOR: Jeff Hoedt; Chief, Division of Watercraft – Ohio Department of Natural Resources

| Year | Agency | Action | Results |
|-----------|--------|---|--|
| 2000-2003 | ODNR | All actions taken shall be towards meeting EPA's guidelines in regards to obtaining a "No Discharge Zone" declaration. | |
| 2000 | ODNR | Completed a survey of existing private and public facilities including pump-outs & dump stations on Lake Erie. | We have an inventory and database of existing facilities, the condition of some are geographically referenced. The public facilities are in a document titled: "Ohio's Public Boating Facilities." |
| 2001 | ODNR | Updated Lake Erie Coastal Clean Vessel Act plan. This document is titled: "Ohio's Plan for Proper Disposal of Marine Sewage." | This plan improved the definition of needs, target areas or determine the "voids" in coverage, geographic areas of concern. |
| 2001-2002 | ODNR | Successfully completed 1999, 2000 & 2001 Clean Vessel Act grant cycles. | Received federal funds each year for both public and private facility additions and improvements. Ohio is continuing to work towards a goal of having 75% of marinas and launch ramps to have disposal facilities. |
| 2001-2002 | ODNR | Coordinating with Ohio Sea Grant to collect data on effects of overboard sewage discharged from boats and to update the current inventory of locations, condition and cost to use the facilities. The survey will also include a summary of the number of boats w/pump-outs, M.S.D.'s and port-a-potties. | Provide direction for application for a "no discharge declaration" from the Environmental Protection Agency. |

Water Quality: (WQ-8) Continued.....

| Year | Agency | Action | Results |
|-----------|--------|--|---|
| 2002-2003 | ODNR | Apply to the Environmental Protection Agency for a "No Discharge Declaration" under the Clean Water Act. | Obtain a successful ruling by the Environmental Protection Agency. |
| 2002-2003 | ODNR | Request Ohio Law amendment be enacted regarding the establishment of a no discharge zone. | Successful passage of the law. Have the tool necessary to enforce same. |
| 2002-2003 | ODNR | Public education and Lake Erie community training programs developed and presented. | Public is informed of law and Lake Erie community is trained in the application of the law. |

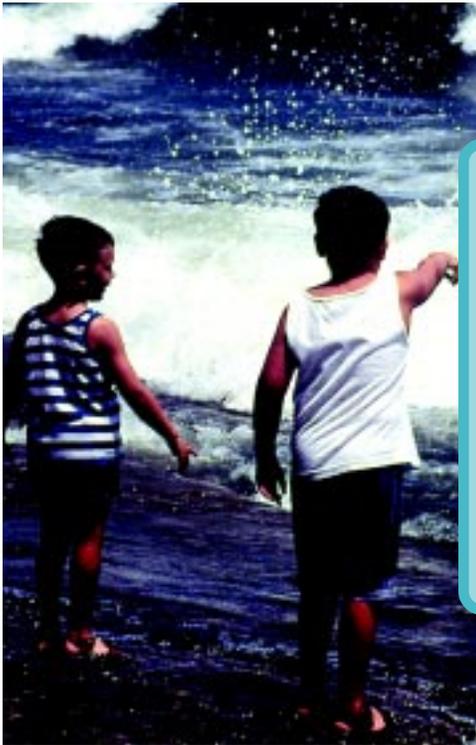


Water Quality:

(WQ-9) Fully implement new state law mandating posting of swimming advisories at Ohio beaches. ODH, ODNR

ACTION COORDINATOR: Rebecca Maust; Chief, Division of Quality Assurance – Ohio Department of Health

| Year | Agency | Action | Results |
|------|--------|---|--|
| 2001 | ODH | The new state law has been fully implemented by ODH. Interns from regional offices have been hired from regional offices in Akron and Toledo to sample 17 Lake Erie beaches twice per week. The samples are immediately cultured for fecal coliform bacteria. Upon receiving unacceptable fecal coliform bacterial counts, beach managers are immediately notified and beach advisory signs are immediately posted. Signs remain posted until a satisfactory reading is obtained. Phone lines and web sites have been designed to give up-to-date bacterial levels to the general public. | The primary Lake Erie public beaches are now sampled more frequently for bacterial contamination - and contaminant information is made available to beach users on a much more reliable and frequent basis than in the past. This information is also made more accessible through telephone messages and Internet access. |
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Water Quality:

(WQ-10) Establish Internet based forecasting system for presenting bacterial levels and beach advisories at state beaches to provide timely and accurate warning to citizens by 2003. *ODH, Lake Erie Commission*

ACTION COORDINATOR: Jeff Busch; Executive Director, Ohio Lake Erie Commission

| Year | Agency | Action | Results |
|------|--------|---|-------------------------|
| 2000 | LEC | Awarded grant to US Geological Survey (Donna Francy) and OSU (Keith Bedford) to begin process of completing extensive modeling of 3 beaches (Huntington, Edgewater, and Euclid) to construct predictive models of bacterial contamination as a function of past and prevailing meteorological conditions. Access to this model will be incorporated into the Great Lakes Forecasting System. This project will hopefully serve as the prototype for a future system that will provide predictions for all major Ohio Lake Erie beaches. | Expected September 2003 |
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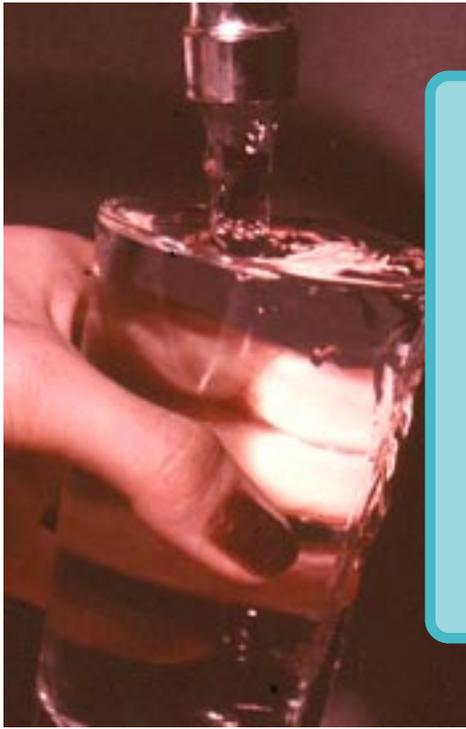


Water Quality:

(WQ-11) Development of technologies and field studies to identify and trace sources of local bacterial contamination. *ODH, OEPA, Lake Erie Commission, Ohio Sea Grant*

ACTION COORDINATOR: Rebecca Maust; Chief, Division of Quality Assurance – Ohio Department of Health

| Year | Agency | Action | Results |
|------|--------|-----------------------|---------|
| | | Plan to be developed. | |
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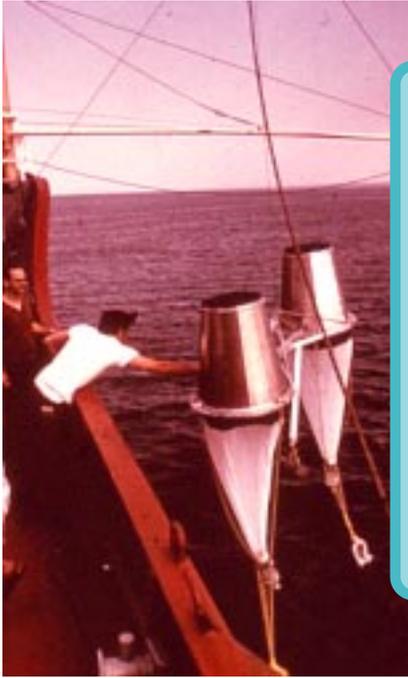
Water Quality:

(WQ-12) Publicize availability of drinking water quality information through OEPA drinking water web sites. *OEPA*

- www.epa.gov/safewater
- www.epa.gov/enviro/html/ef_overview.html
- www.epa.state.oh.us/ddagw/

ACTION COORDINATOR: Mike Baker; Chief, Division of Drinking and Ground Water – Ohio EPA

| Year | Agency | Action | Results |
|-----------|----------------|--|--|
| 2000 | Ohio EPA-DDAGW | September 27 th , 2000 Agency News Release of availability of Public Water System Annual Compliance Report for 1999. Reference Ohio EPA web site in News Release and report has reference to U.S. EPA EnviroFacts web site. | Increased awareness of public water system information regarding violations of monitoring and reporting violations and health based standards. Internet link to public water system and violation information. |
| 1999-2001 | Ohio EPA-DDAGW | During October 1999 and May of 2001, the Agency issued News Releases of availability of Community Public Water System Consumer Confidence Reports. Consumer Confidence Reports are annual drinking water quality reports prepared by public water systems and distributed to all their consumers. U.S. EPA maintains a web site that has links to annual reports for all water systems serving greater than 100,000 consumers. It is voluntary for smaller systems to link their reports to this site. Both News Releases reference Ohio EPA and U.S. EPA consumer confidence report web site addresses: www.epa.state.oh.us/ddagw/ccr.html and www.epa.gov/safewater/ccrl.html | Increased awareness of the source(s) and quality of drinking water provided by local public water systems. Internet link to local drinking water quality information. |

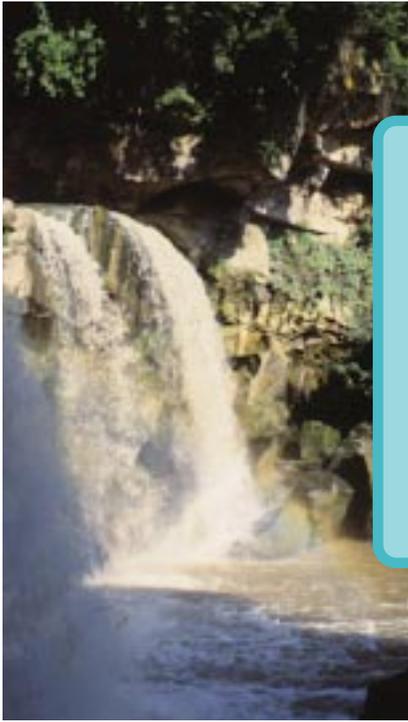


Water Quality:

(WQ-13) Collaborate with federal, local, and private organizations in establishing monitoring stations and regular sampling schedules that include offshore and nearshore stations for water clarity, water chemistry and biological sampling by 2001. OEPA, ODNR, Ohio Sea Grant

ACTION COORDINATOR: Jeff Busch; Executive Director, Ohio Lake Erie Commission

| Year | Agency | Action | Results |
|------|----------------------|--|--------------------------|
| 2001 | LEC & Ohio Sea Grant | These two partners will conduct a workshop at Stone Lab in late September to begin work on an Ohio Lake Erie monitoring network. Public and private data sources, managers, and users will be brought together to discuss what suite of monitoring will provide adequate information to protect and manage Lake Erie and its watershed – and how to build and maintain that network. | Expected September 2001. |
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Water Quality:

**(WQ-14) Support efforts that assist in restoring and protecting all the beneficial uses to Ohio's four Areas of Concern.
OEPA**

ACTION COORDINATOR: Lisa Morris; Chief, Division of Surface Water – Ohio Environmental Protection Agency

| Year | Agency | Action | Results |
|-----------|----------|---|---|
| 2001 | Ohio EPA | With the US Army Corps of Engineers and the Ashtabula River Partnership, release the final Comprehensive Management Plan/EIS for public comment. | Sets the stage for the implementation actions needed to dredge contaminated sediments from the Ashtabula River. |
| 2001-2002 | Ohio EPA | Preparation of Ashtabula Project Cooperation Agreement to designate lands, easements, rights-of-way, etc. resulting in final bid and specifications package for Ashtabula River dredging. | Further progress toward dredging of contaminated sediments. |
| 2001-2004 | Ohio EPA | Final design of dredging project, dewatering site, disposal site, monitoring, requirements, etc. for Ashtabula River. | Issue all permits needed for implementation of sediment remediation dredging. |
| 2005-2006 | Ohio EPA | Dredging of Ashtabula River. | Removal of contaminated sediments from the lower Ashtabula River. |
| 2001-2002 | Ohio EPA | Coordinate 2-year comprehensive DO modeling effort of the lower Black River with several government agencies and the four major dischargers to that segment of the river. | Better understanding of the dynamics of the lower river, loadings, and cause of the low dissolved oxygen levels in the lower river. |

Water Quality: (WQ-14) Continued.....

| Year | Agency | Action | Results |
|-------------|---------------|---|--|
| 2001 | Ohio EPA | Continued implementation of a 319 funded project in the Black River RAP to demonstrate the use of precision farming in lessening agricultural NPS impacts, identify areas of failing onsite septic systems, and assist local health departments in implementing an HSDS maintenance and inspection program. | Reduction of NPS impacts to the Black River. |
| 2001 | Ohio EPA | Pursue funding (Corps of Engineers and local match) for a sediment transport study of the Black River. | Identification of major source areas of sediment into the river and depositional/erosive areas in the river. |
| 2001-2002 | Ohio EPA | Continue to support implementation of habitat/wetland/riparian corridor enhancement/restoration on the East and West Forks of the Black River in association with several funding sources focused on improvements to the Loci WWTP | Improved habitat and less NPS runoff. |
| 2001 | Ohio EPA | Continue to provide Black River RAP input into the design of Grove Site brownfield redevelopment project near the river mouth to protect natural shoreline and improve habitat. | Preservation of natural shoreline and improved habitat. |
| 2001 | Ohio EPA | Update action agenda and extend stream stewardship projects in the Cuyahoga River AOC. | Promote additional public involvement and buy-in. |
| 2001-2002 | Ohio EPA | Continuation of phased TMDL on the navigation channel and development of TMDLs on other segments of the river. | Establishment of targets for pollutant loads to the river and plans to achieve them. |
| 2001-2002 | Ohio EPA | Continue habitat and wetlands restoration/enhancement projects. | Workshops to educate local managers and elected officials on stream-side/wetland restoration and enhancement techniques. Identification of areas with Cuyahoga basin suitable for wetland creation. Additional riparian habitat restoration. |

Water Quality: (WQ-14) Continued.....

| Year | Agency | Action | Results |
|-------------|---------------|--|--|
| 2002 | Ohio EPA | Implement GLNPO grant to investigate sources of sediment contamination and fish tumors in the old Cuyahoga River channel. | Preservation of natural shoreline and improved habitat. |
| 2002-2025 | Ohio EPA | Support funding/plans to reduce/eliminate CSOs and SSOs in the Cuyahoga River AOC. | Reduction of bacterial, BOD and other contaminant loads to the river. |
| 2001 | Ohio EPA | Preparation of 10-year Progress report for Maumee RAP. | Measure accomplishments against 1991 recommendations report and set stage for what still needs to be done. |
| 2002 | Ohio EPA | Preparation of revised recommendations report highlighting needed restoration activities and plans for implementing them. | Sets stage for selecting priorities for implementation of further remedial or investigative actions. |
| 2002 | Ohio EPA | Continuation of very active public outreach and education program in the Maumee AOC. | Improves public buy-in and support. |
| 2002 | Ohio EPA | Petition to establish Maumee River stormwater management district. | Management of stormwater on a regional watershed basis. |
| 2002-2005 | Ohio EPA | Continue efforts for environmental and navigational dredging of the Ottawa River. | Removal of PCB contaminated sediments, relief of recreational boating hazards. |
| 2002 | Ohio EPA | Continue implementation of Toussaint River improvement Incentive Program to promote set-asides, filter and buffer strips and conservation tillage practices. | Reduction in NPS impacts, particularly sediment loading to the Toussaint in the Maumee AOC, and Lake Erie. |
| 2002 | Ohio EPA | Identification of wetlands in the Maumee AOC to be protected, enhanced or expanded. | Ready list when mitigation is needed for other projects in the Maumee AOC. |



Pollution Sources:

(PL-1) Rewrite all Ohio Lake Erie NPDES permits to comply with new Great Lakes Quality Initiative standards and Ohio anti-degradation standards by 2003.

OEPA

- Enforce tighter compliance of approved permits

ACTION COORDINATOR: Lisa Morris; Chief, Division of Surface Water – Ohio Environmental Protection Agency

| Year | Agency | Action | Results |
|------|----------|--|---|
| 2003 | Ohio EPA | Continue to reissue NPDES permits consistent with the GLI and antidegradation. | All permits will be updated by 2003. |
| 2002 | Ohio EPA | Continue to implement existing compliance program. | Compliance with permit limits and conditions to the extent our resources allow. |
| | | | |



Pollution Sources:

(PL-2) Expand efforts to reduce and substitute for the use of hazardous materials in industry and small business and provide technical assistance by 2002. *Ohio Environmental Education Fund, OEPA, Lake Erie Commission*

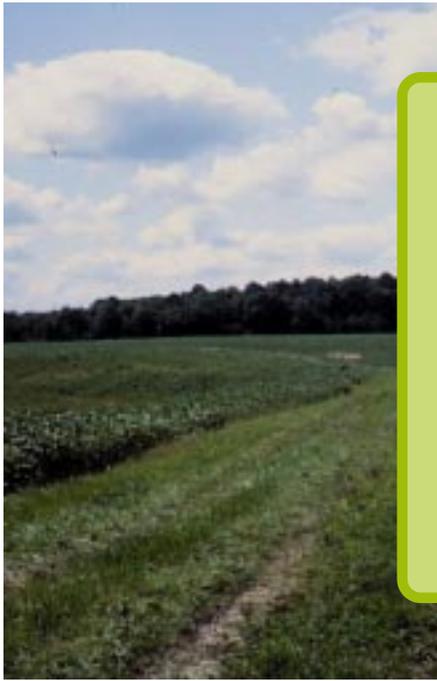
- Prioritize pollution prevention implementation and research for Lake Erie protection Fund projects.
- Set goal of 90% of watershed dischargers to have implemented P2 plans by 2015
- Set goal of 15% of enforcement settlements will contain supplemental pollution prevention projects in place of additional financial penalties.

ACTION COORDINATOR: Mike Kelley; Chief, Division of Pollution Prevention – Ohio EPA

| Year | Agency | Action | Results |
|-----------|---------------|---|---|
| 2001-2005 | Ohio EPA, OPP | Ohio EPA's Office of Pollution Prevention (OPP) continues to incorporate pollution prevention into enforcement settlements. | Increase the number of enforcement settlements containing supplemental pollution prevention projects. |
| 2001-2015 | Ohio EPA, OPP | OPP assesses number of enforcement settlements containing supplemental pollution prevention projects compared to the total number of enforcement settlements. | Determination of whether goal of 15% of enforcement settlements contain supplemental pollution prevention projects is attained. |
| 2001-2015 | Ohio EPA, OPP | OPP continues to provide pollution prevention technical assistance to wastewater dischargers and other facilities in the Lake Erie Basin portion of Ohio. | Increase the number of wastewater dischargers and other facilities in the Lake Erie Basin portion of Ohio completing pollution prevention activities. |
| 2002 | LEPF | Lake Erie Protection Fund works with OPP to develop criteria that promotes funding of pollution prevention projects. | Increase number of pollution prevention projects funded through LEPF. |
| 2003 | Ohio EPA, OPP | OPP completes review of Ohio Prevention First voluntary pollution prevention planning initiative to determine number of wastewater dischargers in the Lake Erie Basin that have completed pollution prevention plans. | Identify number of wastewater dischargers in the Lake Erie Basin that completed pollution prevention plans. |
| 2003 | Ohio EPA, OPP | OPP compares number of wastewater dischargers that have completed pollution prevention plans with total number of wastewater dischargers in the Lake Erie Basin. | Identify percentage of wastewater dischargers in the Lake Erie Basin portion of Ohio that have completed pollution prevention plans. |

Pollution Sources: (PL - 2) Continued.....

| Year | Agency | Action | Results |
|---------------|------------------|---|--|
| 2005 | Ohio EPA, OPP | If number of wastewater dischargers completing pollution prevention plans in the Lake Erie Basin is below 90%, OPP works with external stakeholders to develop a new voluntary pollution prevention planning initiative to encourage the remaining wastewater dischargers to complete pollution prevention plans. | Development of new voluntary pollution prevention planning initiative to achieve 90% goal of wastewater dischargers completing pollution prevention plans. |
| 2006- 2015 | Ohio EPA, OPP | OPP assists wastewater dischargers in the Lake Erie Basin portion of Ohio to develop pollution prevention plans. | Increase the number of wastewater dischargers completing pollution prevention plans. |
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Pollution Sources:

(PL-3) Increase from 52% to 80% the percentage of agricultural acreage in the Lake Erie watershed under conservation tillage practices by 2010. ODNR, OEPA, ODA

ACTION COORDINATOR: Larry Vance; Chief, Division of Soil & Water Conservation – Ohio DNR

| Year | Agency | Action | Results |
|-----------|-------------------|--|--|
| Ongoing | SWCDs, NRCS, OSUE | Continue promoting local demonstrations in new technologies that manage crop residue in a conservation tillage system. | Acreage expansion of conservation tillage using new technologies (e.g., ridge till, strip till, compaction reduction methods) |
| Ongoing | SWCDs, NRCS, OSUE | Provide technical assistance to local growers on equipment, agronomic practices, and fertility management. | Acreage expansion of conservation tillage using new technologies (e.g., ridge till, strip till, compaction reduction methods) |
| 2001-2005 | SWCDs, OSUE | Continue and expand opportunities in working through local chemical and grain dealers as links from industry/government to growers as CAP has done. | Providing technical assistance to dealers to expand use of grid sampling and mapping. (Expansion of acreage using variable rate application technology.) |
| Ongoing | Multiple Agencies | Ohio Lake Erie Buffer Team established to market various government assistance programs – goal being to maximize installation of buffer acreage in Lake Erie watershed. Team consists of over 25 federal, state, local and private agencies. | Provides technical assistance to farmers in design & installation of buffers, extensive distribution of brochures, signage, media spots on effectiveness of buffers. |
| Ongoing | CAP, SWCDs | Look for cluster opportunities of growers/dealers who are innovators and respected in their community to demonstrate new ideas, equipment, etc. to other growers in their vicinity. | Yearly field days in each SWCD that provide forums to present state of the art conservation. |

Pollution Sources: (PL-3) Continued.....

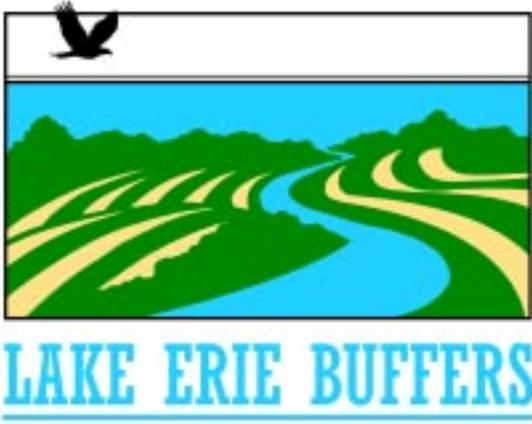
| Year | Agency | Action | Results |
|-----------|------------------------------------|--|--|
| 2001-2005 | DSWC, NRCS, OSUE, SWCDs | Hold information/educational grower events on efforts outside the traditional thinking in conservation tillage systems (e.g., Sudden Soil Density Change). | Yearly field days in each SWCD that provide forums to present state of the art conservation. |
| 2001-2002 | CAP, SWCDs w/ assistance from DSWC | Provide latest advancements in equipment to growers to advance the system at minimal cost. | Grant applications will be made to Lake Erie Commission to promote these ideas. |
| 2001-2002 | Lake Erie Commission | Grant awarded to Conservation Action Project that will remedy problems of soil compaction experienced by conservation tillage practices. Project will lease machinery, provide technical assistance to farm community, and collect detailed data on the effectiveness of specialized equipment and techniques. | Results anticipated in 2003. |

Pollution Sources:

(PL-4) Establish buffers on 80% of Lake Erie watershed ditches, streams and tributaries. *ODNR, OEPA, ODA, Lake Erie Commission*

- Support Ohio Lake Erie Buffer Team Initiative
- Support initiatives that promote or fund the placement of buffers, including the Lake Erie Buffer Program and the Conservation Reserve Enhancement Program (CREP)

ACTION COORDINATOR: Larry Vance; Chief, Division of Soil & Water Conservation – Ohio DNR



| Year | Agency | Action | Results |
|--------------|-------------------|---|--|
| 2000-2001 | ODNR/DSWC | \$3,132,250 is contracted to 27 Soil & Water Conservation District offices to implement the Ohio Lake Erie CREP. Ohio's financial contribution will result in \$21,040,920 of federal match dollars. | Over 1,300 landowner-SWCD contracts have been signed to install over 8,440 acres of conservation practices along streams and ditches in NW Ohio. |
| 2001-ongoing | ODNR/DSWC | Upon appropriation of funds in SFY 2002-03 budget, additional funds will be contracted to SWCDs to continue signup and enrollment. Should \$3,132,250 be appropriated, an additional \$21,040,920 of federal match dollars would be provided. | Enter into an additional 2,000 landowner contracts and enroll additional 13,400 acres of practices. |
| 2002 | ODNR/DSWC | Build collaboration with USDS-NRCS and NACD to implement the national CORE4 initiative. | Coordinate nutrient management, conservation tillage, buffer strips, and integrated pest management strategies to reduce nonpoint source pollution. |
| 2000-2005 | Multiple Agencies | Ohio Lake Erie Buffer Team established to market various government assistance programs – goal being to maximize installation of buffer acreage in Lake Erie watershed. Team consists of over 25 federal, state, local and private agencies. | Provides technical assistance to farmers in design & installation of buffers, extensive distribution of brochures, signage, media spots on effectiveness of buffers. |



**Ohio Coastal
Management
Program**

Pollution Sources:

(PL-5) Complete and begin implementing Ohio's Coastal Nonpoint Plan by 2000. *OEPA, ODNR*

- Provide funding and technical resources to help meet the highest priority objectives and geographic target areas of the finished plan

ACTION COORDINATOR: Larry Vance; Chief, Division of Soil & Water Conservation – Ohio DNR

| Year | Agency | Action | Results |
|-------------------|--------|--|--|
| 9/00 | ODNR | Submitted Ohio Coastal Nonpoint Pollution Control Program Plan to NOAA and USEPA for federal review. | Awaiting federal comments. |
| 12/00 | ODNR | CNPCP available in electronic format from Division of Soil & Water Conservation web site. Executive Summary printed (also available on DSWC web site.) | Electronic availability allows for greater public access to the document and the executive summary puts the plan into a more palatable form. |
| 12/00- Ongoing | ODNR | Actively publicizing the existence of the CNPCP Plan through organized meetings. Promoting usefulness of plan as a regional coordination mechanism. | Awareness of program and its features as well as promoting the use of CNPCP elements in local watershed planning. |
| 12/00- ongoing | ODNR | Soliciting feedback on the Plan's 178 recommendations from various stakeholder groups. | Focused efforts on high priority recommendations for implementation. |
| 5/01- ongoing | ODNR | Coordinate with DSWC field staff to provide technical assistance to local governments, watershed groups, and SWCDs. | Technical assistance provided to target areas. |
| 5/01- 8/02 | ODNR | Facilitate distribution of Great Lakes Coastal Restoration Grant funds to state and local agencies for implementation of CNPCP. | Implementation of CNPCP elements by local and state agencies. |
| 7/01- ongoing | ODNR | Coordinate with various agencies to implement policy-related elements of CNPCP. | Coordinated policies among agencies facilitating nonpoint source reductions. |



Pollution Sources:

(PL-6) Prioritize funding for implementation of soil conservation projects and research into new conservation practices. *Lake Erie Commission*

ACTION COORDINATOR: Jeff Busch; Executive Director – Ohio Lake Erie Commission

| Year | Agency | Action | Results |
|------|----------------------|--|--|
| 2001 | Lake Erie Commission | Implementation of soil conservation projects and research into new conservation practices remains a priority area for Lake Erie Protection Fund grants. | |
| 2001 | Lake Erie Commission | This year, an 85K award was made to the Conservation Action Project, entitled <i>Securing Quality Data Using Farmer Clusters and Summer Interns</i> . This projects will work to demonstrate and monitor new technologies available to address problems associated with conservation tillage for corn. Such problems have prevented more farmers from adopting conservation tillage practices. | Results from this project anticipated in 2004. |
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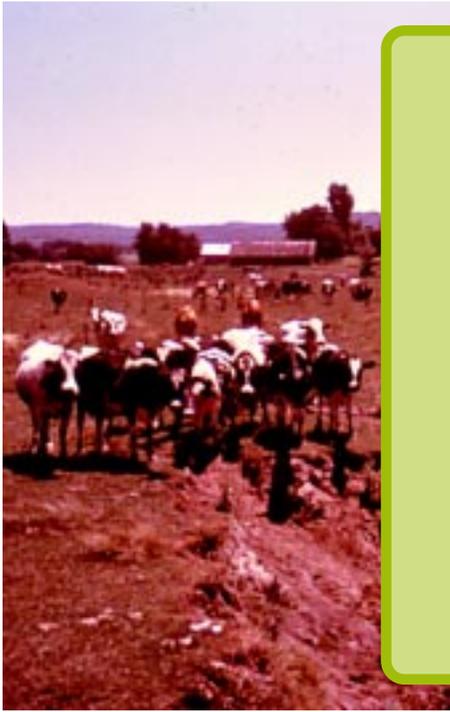


Pollution Sources:

(PL-7) Continue funding research and implementation into precision fertilizer application and other best management technologies. *Lake Erie Commission, ODA*

ACTION COORDINATOR: Jeff Busch; Executive Director – Ohio Lake Erie Commission

| Year | Agency | Action | Results |
|------|----------------------|--|------------------------------|
| 2001 | Lake Erie Commission | Funding for research and implementation into precision fertilizer application and other best management technologies remains a priority area for Lake Erie Protection Fund grants. | |
| 2001 | Lake Erie Commission | A \$100 K Lake Erie Protection Fund grant was awarded to the Department of Agriculture entitled <i>Bulk Pesticide/ Fertilizer Containment Cost-Share Program</i> . This project will provide cost-share funding for at least 40 farmers to construct containment facilities for bulk pesticide/fertilizer tanks. It is anticipated that this project will stimulate the voluntary construction of containment facilities throughout the watershed. | Results anticipated in 2002. |
| | | | |
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Pollution Sources:

(PL-8) Enact legislation to improve regulation for concentrated animal feed operations (CAFO) by 2001. *ODNR, ODA, OEPA*

- Encourage County Soil & Water Conservation districts to educate livestock producers regarding requirements for concentrated animal feeding operations and all producers for meeting Best Management Practices (BMPs) requirements to minimize water quality impacts to meet the goals established under the federal Clean Water Act.
- Formulate strategy to encourage implementation of best management practices on farms with less than 1,000 animal units

ACTION COORDINATOR: Kevin Elder, Ohio Department of Agriculture

| Year | Agency | Action | Results |
|------|--|--|--|
| 2000 | ODA, ODNR, OEPA | Enact legislation to improve legislation for CAFO. | SB 141 was passed and signed into law. |
| 2000 | ODA, ODNR, OEPA, OLC, OSU Ext. | Encourage education of Livestock Producers regarding CAFO requirements and BMP's for minimizing impacts to Water Quality | Livestock Environmental Assurance Program (LEAP) Level I has provided education to 658 Producers. |
| 2001 | ODA, ODNR, OEPA, OSU Ext., OLC | Formulate strategy to encourage implementation of BMP's on forms with less than 1,000 A.U. | Livestock Environmental Assurance Level II Program to assist producers in preparation of Comprehensive Nutrient Management Plans (CNMP) and provide incentives for implementation. |
| 2001 | ODA | Develop rules for implementation or SB 141 for permitting CAFO's. | |
| 2002 | ODA | Begin permitting all CAFO's seeking federal delegation authority for NPDES permits and inspecting on semi-annual basis. | |
| 2002 | OLC, ODNR, ODA, OSU Ext. | Implementation of LEAP Level II Program and continue LEAP Level 1. | |

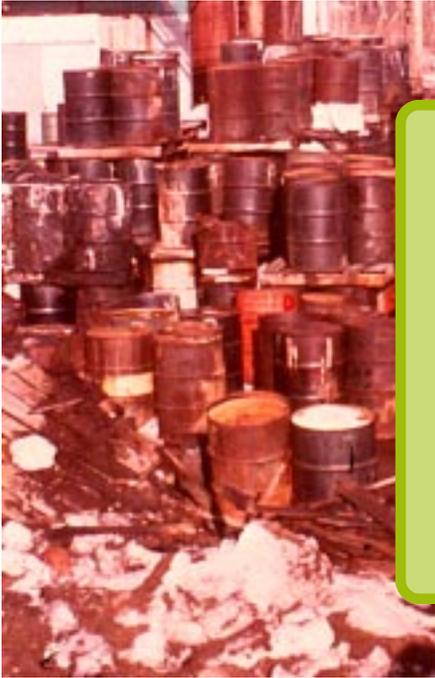


Pollution Sources:

(PL-9) Clarify requirements and expand the number of sites eligible for Voluntary Action Program (Brownfields). *OEPA*

ACTION COORDINATOR: Cindy Hafner; Chief, Division of Emergency & Remedial Response – Ohio EPA

| Year | Agency | Action | Results |
|-----------|----------|---|---|
| 2000-2001 | Ohio EPA | Ohio EPA, the Ohio Attorney General's Office and the Ohio Department of Commerce prepared draft legislation to expand VAP eligibility to include underground storage tank cleanups. | Draft consensus legislation. |
| 2001 | Ohio EPA | Agencies sought stakeholder input on draft legislation and incorporated changes satisfying stakeholders. | Redrafted consensus legislation. Draft consensus legislation. |
| 2001 | Ohio EPA | Agencies will work with the General Assembly and the Taft Administration to pass the legislation. | Expanded VAP eligibility. |

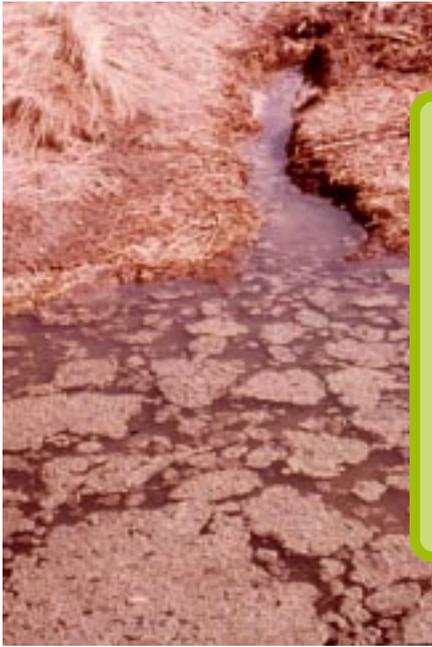


Pollution Sources:

(PL-10) Improve the hazardous waste cleanup program by developing uniform cleanup standards, using new and improved methods for remediation and improving site assessment methodologies. *OEPA*

ACTION COORDINATOR: Cindy Hafner; Chief, Division of Emergency & Remedial Response – Ohio EPA

| Year | Agency | Action | Results |
|-----------|----------|---|---|
| 1997 | Ohio EPA | Director chartered the Waste Steering Committee (WSC) to oversee the unification of the agency's cleanup standards. | The committee was formed and has been meeting regularly since that time. |
| 1998 | Ohio EPA | WSC chartered subcommittees to work on various aspects of the unified standards process. | The groups are working on five papers which will discuss in detail how the unified standards program will work. |
| 1999-2000 | Ohio EPA | Concept papers for various aspects of the process, including human and ecological risk assessment, groundwater response requirements, and chemical leaching from soils to groundwater, have been completed and distributed internally for review. | Papers are being revised as needed. |
| 2001 | Ohio EPA | Additional papers are being written and prepared for peer review; expert peer review being conducted for aspects of process and "overview" paper is also being written to help give "big picture" about this project. | Public review of all of the papers will lead to unified standards projected for spring of 2002. |
| 2001 | Ohio EPA | Participate more fully in the Interstate Technology Resource Council by reviewing and commenting on new cleanup technologies, training and participating in conference calls when appropriate. | The Agency will be better informed about emerging technologies that could be used in Ohio to clean up sites. |

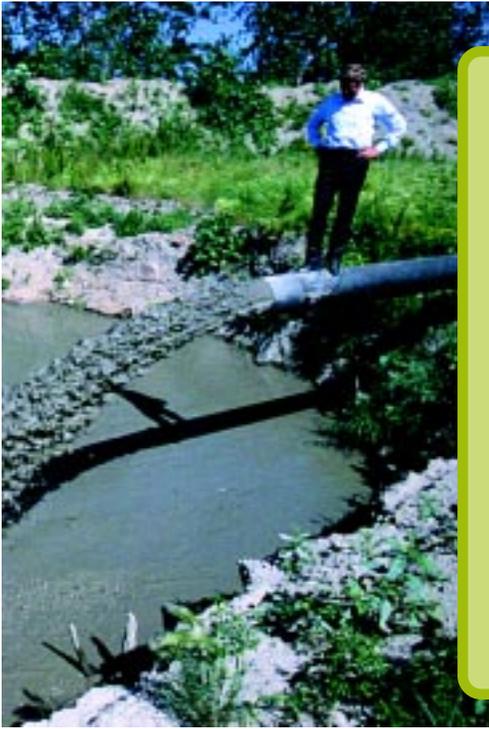


Pollution Sources:

(PL-11) Implement recommendations of the Divisions of Emergency and Remedial Response & Hazardous Waste Management Advisory Committee for improvements in the hazardous waste cleanup programs. *OEPA*

ACTION COORDINATOR: Cindy Hafner; Chief, Division of Emergency & Remedial Response – Ohio EPA

| Year | Agency | Action | Results |
|------|----------|---|---|
| 1999 | Ohio EPA | The consensus recommendations of the Divisions of Emergency and Remedial Response & Hazardous Waste Management Advisory Committee were implemented before the beginning of state fiscal year 2000. This extensive list of actions implemented may be obtained by contacting the action coordinator. | Division organization and budgeting aligned with its core mission-response and cleanup. |
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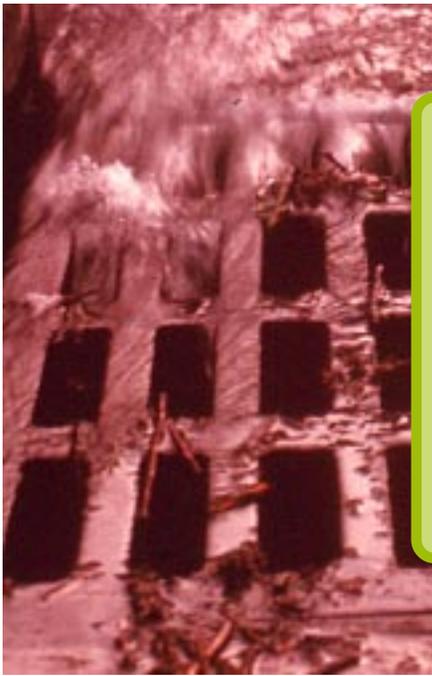
Pollution Sources:

(PL-12) Provide resources for cleanup. *OEPA, Ohio General Assembly*

- Establish a state cleanup fund for sites which impact public health
- Establish grant/loan fund for local communities to access sites, perform cleanups and/or attract federal matching funds.
- Take further advantage for site cleanups through the Water Pollution Control Loan Fund.

ACTION COORDINATOR: Laura Powell; Chief, Legislative Division - Ohio EPA

| Year | Agency | Action | Results |
|------|--|--|--|
| 2000 | Ohio EPA Ohio DOD Ohio DOA Ohio DNR | Pass \$400 million ballot initiative to amend the Ohio Constitution to issue Clean Ohio Bonds | Constitutional amendment. |
| 2001 | Ohio EPA Ohio DOD Ohio DOA Ohio DNR | Agencies draft vision for enabling legislation for Clean Ohio Fund proceeds distribution | Vision statement. Constitutional amendment. |
| 2001 | Ohio House of Representatives | Enabling legislation introduced by Representative Blasdell. | House Bill |
| 2001 | General Assembly/ Gov. Taft | Pass enabling legislation into law. Created the Clean Ohio Fund. Process being developed to administer funds and award grants for brownfield cleanups and greenspace conservation. | Anticipate first Clean Ohio Fund grants to be awarded in July of 2002. |

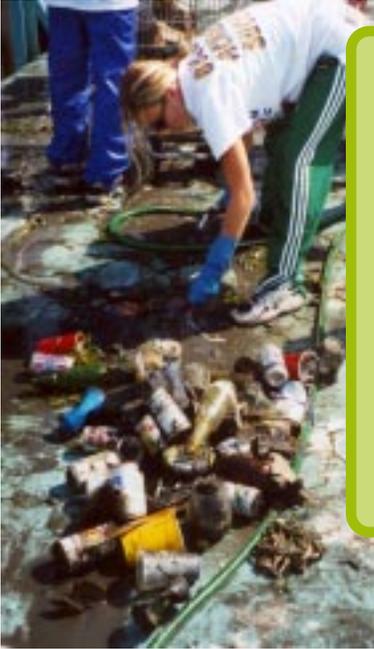


Pollution Sources:

(PL-13) Establish an objective for Urban Nonpoint pollution reduction for inclusion in the 2003 Lake Erie Quality Index.
Lake Erie Commission

ACTION COORDINATOR: Larry Vance; Chief, Division of Soil and Water Conservation – Ohio DNR

| Year | Agency | Action | Results |
|-----------|--|---|---|
| 2001-2006 | ODOT | Utilize transportation funding (TEA-21) to restore and enhance headwater streams and riparian corridors. | Development of demonstration projects in conjunction with highway reconstruction. |
| 2001-2004 | OEPA | Alter priorities of State Revolving Loan Fund to provide greater incentives for nonpoint source control plans and implementation. | Increased percentage of WPCLF dollars for nonpoint BMPs. |
| Ongoing | ODNR, County & Areawide Planning Agencies | Encourage local land use planning that includes green space protection and stormwater control. | Hold a number of workshops in the Lake Erie region to promote these ideas. |
| 2001-2002 | ODOT, ODNR | Integrate stream protection standards and specifications into ODOT's Location and Design Manuals and standard drawings to improve consistency in engineering design and construction statewide. | Development of revised standards and specifications. |
| 2001-2002 | ODH | Enact legislation to require state minimum standards for septic system inspection and maintenance. | Development, passage, and implementation of statute. |
| 2001-2011 | ODNR, air pollution agencies, stormwater utilities | Increase size and scope of urban forests, including riparian forested buffers, to address pollution prevention and abatement as part of a comprehensive planning process. | 10% canopy increase within 10 years. |
| 2002-2012 | ODNR | Encourage fishing in urban rivers by holding clinics, performing creek surveys, and increasing urban river recreation as part of "Wild Ohio." | Increase number of ODNR recreational events. |



Pollution Sources:

(PL-14) Assist Lake Erie communities in developing regional recycling facilities for disposal of hazardous wastes from small businesses , households and agriculture – set goal of making such services available in all Lake Erie watersheds by 2010. *OEPA, ODOD, ODA, Lake Erie Commission*

ACTION COORDINATOR: Michael Savage; Chief, Division of Hazardous Waste Management – Ohio EPA

| Year | Agency | Action | Results |
|------|----------------------|---|---|
| 2001 | Ohio EPA | Continue to provide the Summit/Akron Solid Waste Authority with technical assistance and regulatory guidance on their established permanent drop-off facility for household hazardous waste. We also continue to explore with them, options available to expand their program to accept hazardous waste from small businesses. A major hurdle will be to address hazardous waste permitting requirements during a two-year pilot and then long-term if pilot proves successful. | The IRS granted tax-exempt status in 2/01 to the Ohio Organization for Recycling and Reuse (OORR) to which this project is a part of. Summit and Cuyahoga counties have awarded grant funding to this project which has enabled them to begin a site search for the new center. |
| 2001 | Lake Erie Commission | The Ohio Organization for Recycling and Reuse was awarded a Lake Erie Protection Fund grant of \$184,500 for the project <i>Business Hazardous Waste Recycling Center and Brownfield Abatement Fund Project for Cuyahoga and Summit Counties</i> . This grant will allow OORR to establish and operate the center for a three year period. | Facility to be operational in 2002. Results of pilot project anticipated in 2005. |



Pollution Sources:

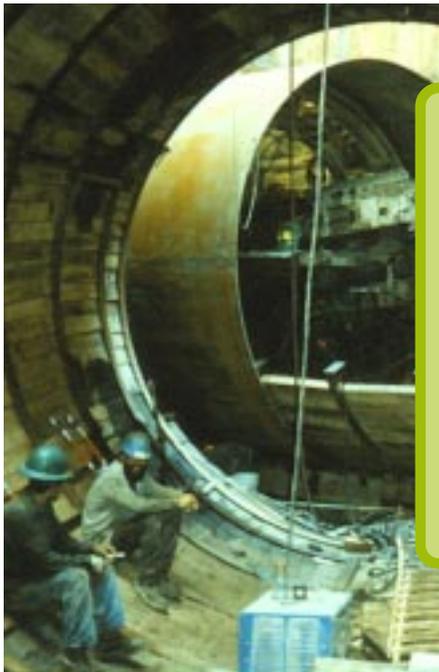
**(PL-15) Encourage and fund the completion of comprehensive watershed stormwater management plans in all Lake Erie sub-watersheds by 2005 and assist in their implementation.
OEPA, ODNR, Lake Erie Commission**

ACTION COORDINATOR: Larry Vance; Chief, Division of Soil & Water Conservation – Ohio DNR

| Year | Agency | Action | Results |
|----------------|------------------------------|---|---|
| 2000 | ODNR/ DSWC | Lake SWCD is preparing a comprehensive watershed plan for Arcola Creek. The plan will detail measures to protect or enhance water resources. | Completed landowner surveys, monitored stream sites, and held meetings with public officials and stakeholders. |
| 10/00- 6/01 | ODNR- DSWC | Develop stormwater discharge criteria to minimize impact on natural stream morphology. | Contracted with Dr. Andrew Ward, OSU, to research and develop stormwater discharge criteria. |
| 10/00- 6/01 | ODNR- DSWC | Define methods and procedures for designing stormwater management facilities that will protect natural channel integrity. | Contracted with Dr. Andrew Ward, OSU, to develop and define methods and procedures. These methods and procedures will be incorporated into a standard engineering textbook by Dr. Ward. |
| 2001 | Lake Erie Commis- sion | LEPF grants awarded to NEFCO-Yellow Creek Storm Water Management Consortium (\$80K) and NOACA-Developing Regional Watershed Based Model Storm Water Permit Implementation Plans (\$123K) for comprehensive watershed stormwater planning efforts. | Results anticipated in 2004. |

Pollution Sources: (PL-15) Continued.....

| Year | Agency | Action | Results |
|-------------|--------|---|--|
| 2002-2007 | OEPA | Under the Phase I Storm Water Program, industries and municipalities >100,000 require NPDES permits for storm water discharge. As part of the Phase II Storm Water Program develop and issue a general permit for municipalities <100,000 to include BMPs to reduce pollutants to the maximum extent practicable. Many of these areas are located in the densely populated Lake Erie basin. Designated municipalities and unincorporated areas must submit storm water management plans by 2003, and fully implement them by 2007. Depending on the level of local cooperation, the plans may be developed on either a regional or watershed basis. | Communities in the Maumee RAP area of concern (parts of Wood and Lucas counties) have come together to study and develop a plan to form a regional storm water management district which would assist in Phase II implementation, development of regional standards and storm water master planning. Additional groups in Cleveland, Summit County and the Chagrin River watershed areas are evaluating how they will assist in the implementation of Phase II storm water regulations in their areas. Reduction in pollutant loadings from storm water runoff. |
| 2001-20013+ | OEPA | TMDLs to determine maximum daily loads of contaminants and associated stream impacts are scheduled throughout the state through 2013. | Development of restoration plans under TMDLs will include storm water management activities in the impacted stream segments. |

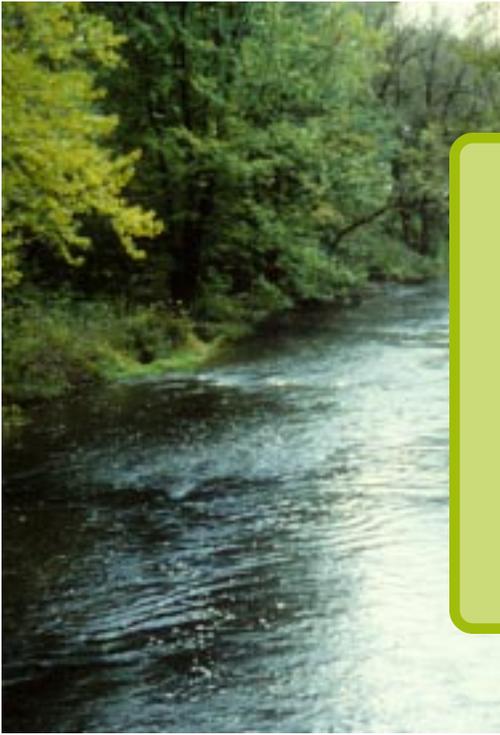


Pollution Sources:

(PL-16) Support USEPA's Combined Sewer Overflow Strategy. *OEPA*

ACTION COORDINATOR: Lisa Morris; Chief, Division of Surface Water – Ohio Environmental Protection Agency

| Year | Agency | Action | Results |
|------|----------|--|--|
| 2001 | Ohio EPA | Continue to follow the existing Ohio EPA program in support of the USEPA CSO strategy. The main focus now is on the review of control plans for improvements needed in communities with CSOs | NPDES permits issued since 1994 are consistent with the USEPA strategy. Ohio EPA will continue to issue NPDES permits and review control documents consistent with the USEPA CSO strategy. |
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Pollution Sources:

(PL-17) Establish urban riparian buffers. Set goal of reestablishing forested buffers on 50% of residential tributaries and 25% of urban tributaries. *ODNR*

ACTION COORDINATOR: Ronald Abraham; Chief, Division of Forestry – Ohio Department of Natural Resources

| Year | Agency | Action | Results |
|-----------|----------------------|---|---|
| 2002 | ODNR-Forestry, REALM | Identify (map) urban tributaries in need of reforestation (less than 25% forested or otherwise determined by the Division of Forestry.) | Maps of watersheds/communities' riparian needs. |
| 2002-2003 | ODNR-Forestry | Implement ation awareness campaign (videos, power point, articles, etc.) for communities, tree commissions – to gain local support. | Shared local commitment |
| 2002-2005 | ODNR-Forestry | Offer technical assistance to local communities that support the initiative. | Properly implemented/established forest buffers (i.e. species selections, planting method, maintenance) |
| 2002-2005 | ODNR-Forestry | Develop grants program for cooperating communities. | Funds to assist buffer establishment. |
| 2006 | ODNR-Forestry | Survey local communities/tree commissions to evaluate implementation/reevaluate program. | Feedback on initiative effectiveness. |
| 2002-2006 | ODNR-Forestry, REALM | Update maps (annually, if possible) to show progress toward goal. Share with public via internet. | Informed public |
| 2002-2006 | ODNR-Forestry | Coordinate actions with partners – Ohio Watershed Network, U.S. Forest Service, Ohio EPA, other DNR. | Shared response and mutual accomplishments |

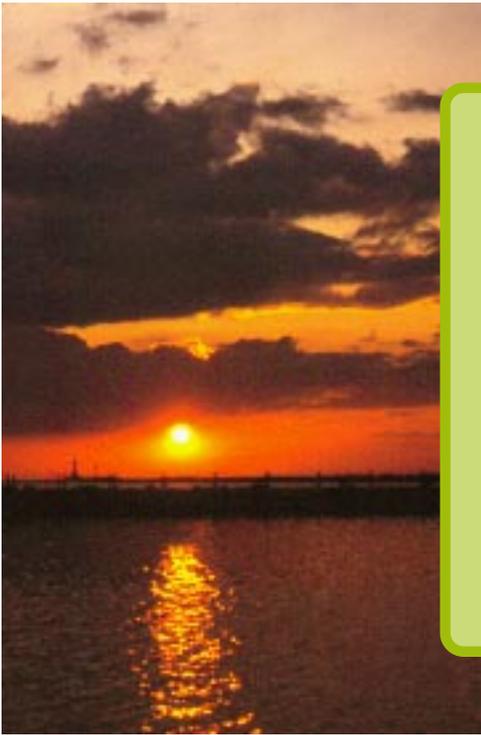


Pollution Sources:

(PL-18) Establish an objective for Atmospheric Pollution for inclusion in the 2003 Lake Erie Quality Index. OEPA, Lake Erie Commission

ACTION COORDINATOR: Robert Hodenbosi; Chief, Division of Air Pollution Control – Ohio EPA

| Year | Agency | Action | Results |
|-------------|---------------|--|----------------|
| 2002 | Ohio EPA | Develop an RFP for the development of an objective measure of atmospheric deposition on Lake Erie water quality. | |
| 2002 | Ohio EPA | Evaluate possible funding mechanism for completing the RFP. | |
| 2003 | Ohio EPA | Issue RFP - Estimated time to complete project is 12 to 18 months. | |
| 2003 | Ohio EPA | Provide oversight to contractor working on project. | |
| 2004 | Ohio EPA | Review interim and final reports of contractor. | |



Pollution Sources:

(PL-19) Establish two state-funded air contaminant collectors as part of the Great Lakes Integrated Atmospheric Deposition Network. *OEPA, Lake Erie Commission*

ACTION COORDINATOR: Robert Hodenbosi; Chief, Division of Air Pollution Control – Ohio EPA

| Year | Agency | Action | Results |
|------|----------|--|---------|
| 2002 | Ohio EPA | Develop a detailed plan to establish two state funded air deposition sites as part of the Great Lakes Integrated Atmospheric Deposition Network. | |
| 2002 | Ohio EPA | Examine alternate funding mechanisms for the purchase of two air deposition samplers - estimated cost \$140,000. | |
| 2002 | Ohio EPA | Examine alternative funding mechanisms for the operation (analysis and labor) for two air deposition sites-estimated cost \$60,000 per year. | |
| 2003 | Ohio EPA | Based upon obtaining funding of the acquisition and operation of the two air monitors, purchase the instruments. | |
| 2004 | Ohio EPA | Initiate operation of two air deposition sites. | |
| 2005 | Ohio EPA | Continue operation of two air deposition sites. | |
| 2006 | Ohio EPA | Prepare a report on the results of the sampling and analysis of the two air deposition sites. Continue operation of monitors. | |

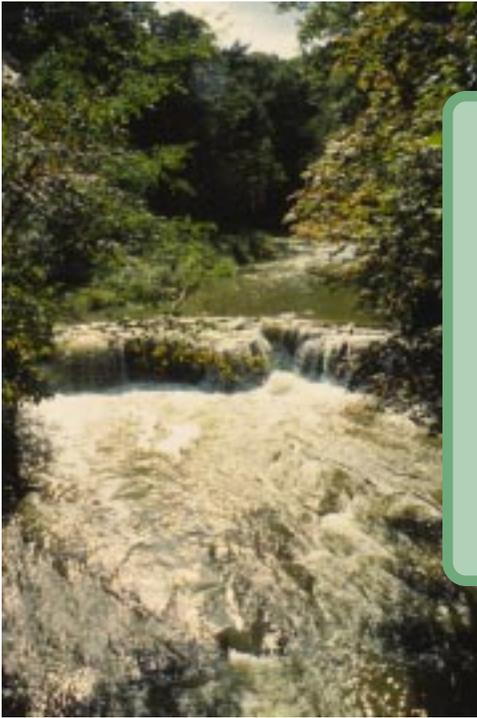


Pollution Sources:

(PL-20) Prioritize funding for projects that encourage energy conservation through reducing electrical consumption, retire emission credits or result in other environmental improvements in the advent of electrical deregulation. *ODOD, Lake Erie Commission*

ACTION COORDINATOR: Jeff Busch; Executive Director, Ohio Lake Erie Commission

| Year | Agency | Action | Results |
|------|----------------------|---|---------|
| 2001 | Lake Erie Commission | <p>Funding for projects that encourage energy conservation through reducing electrical consumption, retire emission credits or result in other environmental improvements in the advent of electrical deregulation is included in the priorities of the Lake Erie Protection Fund.</p> <p>No proposals were received or funded in the 2001 grant cycle.</p> | |
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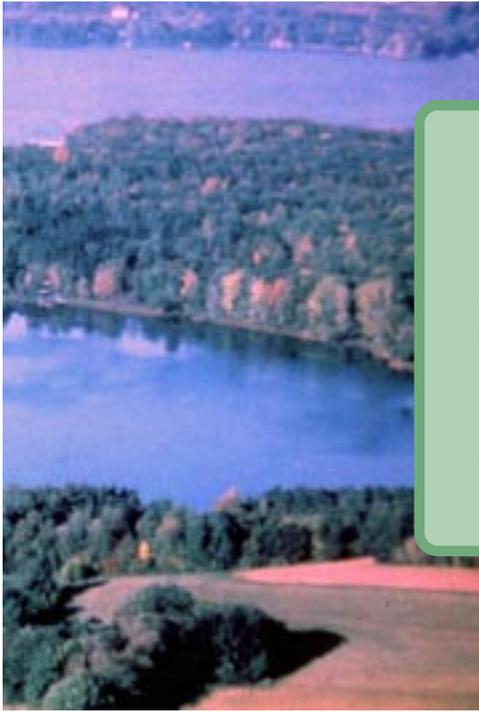


Habitat:

(H-1) Assess the environmental and economic benefit of each Lake Erie tributary dam and encourage the removal of non-beneficial dams, or modify existing dams with fish passage structures where appropriate by 2025. ODNR

ACTION COORDINATOR: Jim Morris; ODNR, Division of Water

| Year | Agency | Action | Results |
|-----------|--------|---|--|
| 2001 | ODNR | Create a workgroup within ODNR to draft a project charter to identify tributary dams using existing dam safety information as well as watercraft and wildlife data. Dam identified but not currently in the dam safety database because they are not jurisdictional would be added into the database. | A list by location of existing tributary dams, owners and existing purposes. |
| 2001-2002 | ODNR | Contact other state, federal and state agencies to identify interest in dam removal and to identify contacts for future workgroup discussions. | Future workgroup members. |
| | | | |

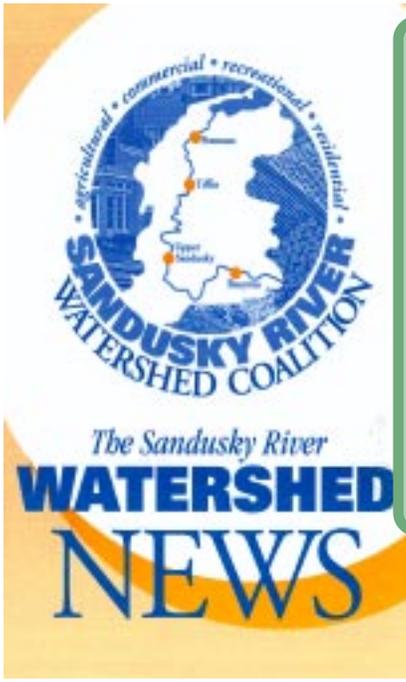


Habitat:

**(H-2) Limit additional development and restore flood retention capabilities of Lake Erie tributary floodplains.
ODNR, OEPA, Lake Erie Commission**

ACTION COORDINATOR: Jim Morris; ODNR, Division of Water

| Year | Agency | Action | Results |
|------|--------|--|--|
| 2001 | ODNR | Provide additional support to Lake Erie tributary communities in developing criteria that would support a “no adverse impact” floodplain management approach. Specifically, work with the Chagrin River Watershed Partners in the development of their model code. | Model code that can be used to educate other Lake Erie tributary communities on a possible approach to limit loss of flood retention capabilities. |
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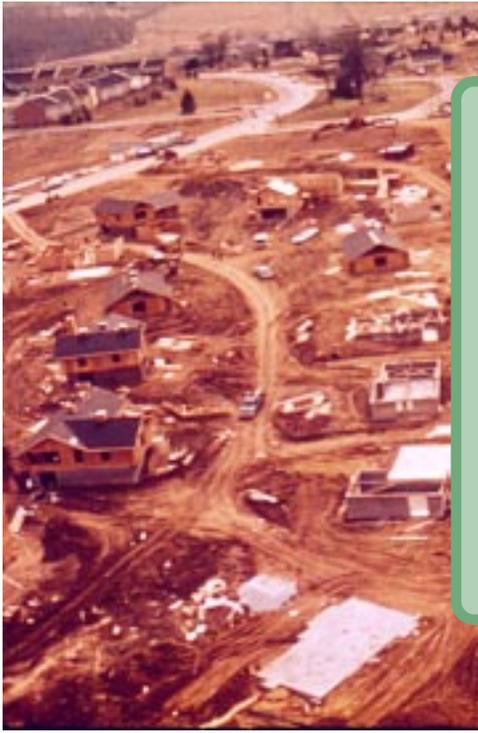


Habitat:

(H-3) **Support local jurisdictions and conservation groups by providing funding and technical assistance for comprehensive watershed planning. ODNR, OEPA, Lake Erie Commission**

ACTION COORDINATOR: Larry Vance, ODNR; Division of Soil & Water Conservation

| Year | Agency | Action | Results |
|------|---------------|---|---|
| 2000 | ODNR/ DSWC | Watershed Coordinator grants awarded. One goal was to create permanent positions in local units of government, non-profit organizations or other non-governmental organizations to plan and implement watershed programs to restore or protect a water resource. Another focus of the coordinator program is the partnership aspect between ODNR, OEPA, OSU Extension, local watershed groups and other local partners. These groups came together to support community-based watershed protection (with real dollars and on-going training and support). | Two coordinator positions were awarded in the Lake Erie watershed in 2000: Sandusky River under WSOS Community Action and Duck and Otter Creek Partnership. (A total of 6 applications from the Lake Erie watershed were received.) |
| 2000 | ODNR/ DSWC | Two Lake Erie Soil and Water Conservation Districts received a grant to implement GIS planning to solve a resource concern. | Medina SWCD utilized GIS to project land use trends in the Rock River watershed. Lucas SWCD partnered with the County Auditor to identify and give tax breaks for high quality wetlands. |
| 2000 | LEC | Lake Erie Protection Fund grant awarded to Chagrin River Partners (\$65K) for watershed planning. | Anticipated results in 2004. |



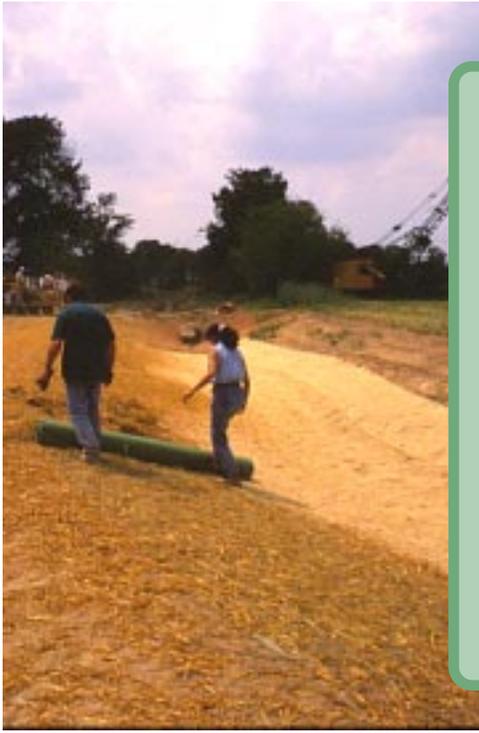
Habitat:

(H-4) Give greater scrutiny concerning maintaining local watershed hydrology during the permitting of future development projects. *ODNR, OEPA*

- Establish headwaters water quality standards. *OEPA*

ACTION COORDINATOR: Lisa Morris; *OEPA, Division of Surface Water*

| Year | Agency | Action | Results |
|------|----------|---|--|
| 2002 | Ohio EPA | Distribute a white paper on the ecology, policy and regulatory aspects of primary headwater streams (<1 square mile) for external stakeholder comments. | The ability to fully assess technical, policy and regulatory factors associated with the adoption of headwater stream water quality standards. It is expected that this will lead to a decision about a water quality standards rulemaking in late 2002. |
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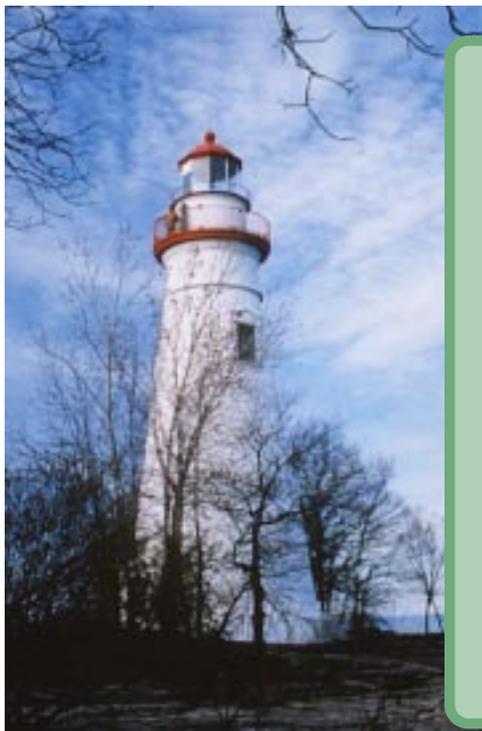
Habitat:

(H-5) Publish and distribute a Lake Erie Model Zoning Ordinance and Building Code by 2003 and encourage its voluntary acceptance by local communities. *ODOD, Lake Erie Commission*

- Ensure that all interested concerns (local communities, property owners, developers, conservationists, agriculture, etc.) have the opportunity to fully participate

ACTION COORDINATOR: Jeff Busch; Executive Director, Ohio Lake Erie Commission

| Year | Agency | Action | Results |
|------|----------------------|---|--------------------------|
| 2001 | Lake Erie Commission | <p>Lake Erie Commission will commission a Blue Ribbon Panel on “Lake Erie Watershed Balanced Growth Strategy”</p> <p>The panel will provide recommendations to the Lake Erie Commission on how the State of Ohio can foster sustainable development practices throughout the Lake Erie watershed. Products that may be produced by the panel include:</p> <ul style="list-style-type: none"> ▪ A Lake Erie Watershed Balanced Growth Strategy Report ▪ A “Governor’s Balance Growth Awards” program ▪ An “Ohio Lake Erie Lighthouse” designation program ▪ A Lake Erie Model Zoning Ordinance and Building Code | Results expected in 2002 |
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Habitat:

(H-6) Institute a Lake Erie Lighthouse designation for entities practicing sound Balanced Growth principles by 2003. *Lake Erie Commission*

- Establish a suite of practices and/or characteristics that would qualify for Lighthouse designation
- Create suitable awards to recognize and celebrate those entities receiving the designation
- Consider making the Lighthouse designation a factor in the selection process for specific Ohio grants and loan programs
- Types of entities may include communities, farms, businesses, schools, etc.

ACTION COORDINATOR: Jeff Busch; Executive Director, Ohio Lake Erie Commission

| Year | Agency | Action | Results |
|------|----------------------|---|--------------------------|
| 2001 | Lake Erie Commission | Lake Erie Commission will commission a Blue Ribbon Panel on "Lake Erie Watershed Balanced Growth Strategy" The panel will provide recommendations to the Lake Erie Commission on how the State of Ohio can foster sustainable development practices throughout the Lake Erie watershed. Products that may be produced by the panel include: <ul style="list-style-type: none"> ▪ A Lake Erie Watershed Balanced Growth Strategy Report ▪ A "Governor's Balance Growth Awards" program ▪ An "Ohio Lake Erie Lighthouse" designation program ▪ A Lake Erie Model Zoning Ordinance and Building Code | Results expected in 2002 |
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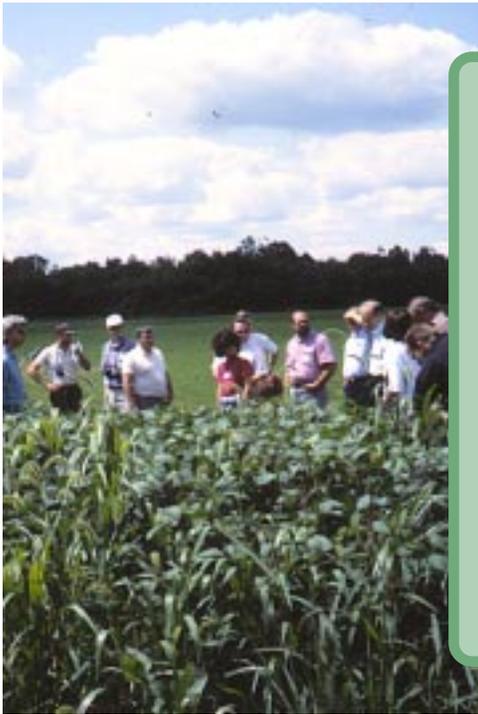
Habitat:

(H-7) Establish by 2003 the Governor’s Lake Erie Balanced Growth Awards – monetary award program from the Lake Erie Protection Fund for innovative examples of balanced growth practices. *Lake Erie Commission*

- Award money would be earmarked for continued implementation of these practices

ACTION COORDINATOR: Jeff Busch; Executive Director, Ohio Lake Erie Commission

| Year | Agency | Action | Results |
|------|----------------------|--|--------------------------|
| 2001 | Lake Erie Commission | <p>Lake Erie Commission will commission a Blue Ribbon Panel on “Lake Erie Watershed Balanced Growth Strategy” The panel will provide recommendations to the Lake Erie Commission on how the State of Ohio can foster sustainable development practices throughout the Lake Erie watershed. Products that may be produced by the panel include:</p> <ul style="list-style-type: none"> ▪ A Lake Erie Watershed Balanced Growth Strategy Report ▪ A “Governor’s Balance Growth Awards” program ▪ An “Ohio Lake Erie Lighthouse” designation program ▪ A Lake Erie Model Zoning Ordinance and Building Code | Results expected in 2002 |
| | | | |
| | | | |



Habitat:

(H-8) Commission a Balanced Growth Blue Ribbon Task Force, comprised of property owners, government officials, business leaders, conservationists, academia, agriculture, and other stakeholder groups to be charged with advising the Lake Erie Commission on ways to:

(Lake Erie Commission)

- Develop strategies that will balance the protection of the Lake Erie watershed with continued economic growth

ACTION COORDINATOR: Jeff Busch; Executive Director, Ohio Lake Erie Commission

| Year | Agency | Action | Results |
|------|----------------------|---|--------------------------|
| 2001 | Lake Erie Commission | <p>Lake Erie Commission will commission a Blue Ribbon Panel on “Lake Erie Watershed Balanced Growth Strategy”</p> <p>The panel will provide recommendations to the Lake Erie Commission on how the State of Ohio can foster sustainable development practices throughout the Lake Erie watershed. Products that may be produced by the panel include:</p> <ul style="list-style-type: none"> ▪ A Lake Erie Watershed Balanced Growth Strategy Report ▪ A “Governor’s Balance Growth Awards” program ▪ An “Ohio Lake Erie Lighthouse” designation program ▪ A Lake Erie Model Zoning Ordinance and Building Code | Results expected in 2002 |
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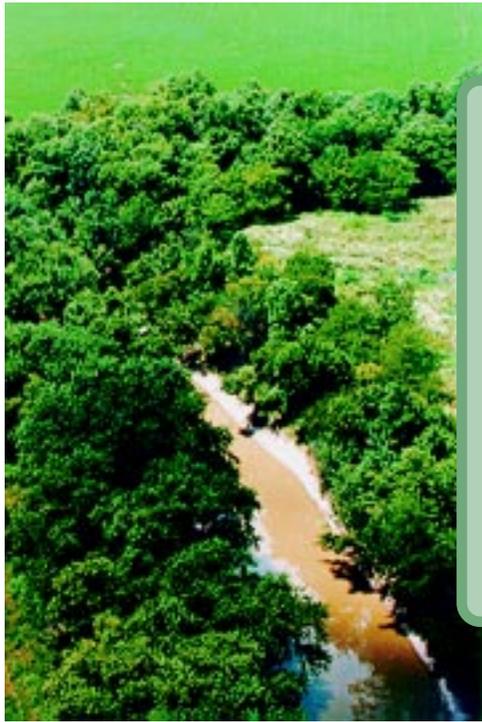
Habitat:

(H-9) Fully implement Ohio Farmland Preservation Program. ODA, OEPA, ODNR

- Provide incentives and easements to keep prime agricultural farmland in production

ACTION COORDINATOR: Kevin Elder; Ohio Dept. of Agriculture

| Year | Agency | Action | Results |
|------|--------|---|---|
| 2000 | ODA | Continue assisting farmers, local officials and citizens on the economic, environmental and social benefits of farmland preservation. | Participated in approximately 75 meetings and conferences throughout Ohio. Participated in approximately 75 meetings and conferences throughout Ohio. |
| 2000 | ODA | SB 223 authorized landowners to donate agricultural easements to ODA in perpetuity. | To date, 7 easements, totaling nearly 1,000 acres, have been donated to ODA. |
| 2001 | ODA | HB 3, currently pending, would provide the office with \$25 million to administer an Agricultural Easement Purchase Program. | We project that \$25 million would procure 30-40 farms and 2,200 acres annually. |

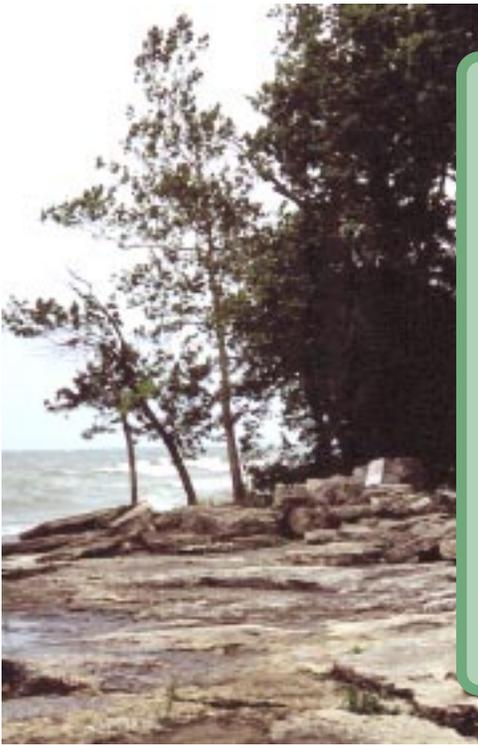


Habitat:

(H-10) Reforest marginal agricultural acreage, floodplains and wetlands of the Ohio Lake Erie watershed, utilizing the Lake Erie Buffer Initiative, Conservation Reserve Enhancement Program (CREP), the Governor’s Bicentennial Tree Planting Program and other programs. ODNR

ACTION COORDINATOR: Ron Abraham; ODNR, Division of Forestry

| Year | Agency | Action | Results |
|-----------|--------------------------------------|---|---|
| 2002 | ODNR- Forestry, Div. of Soil & Water | Jointly develop parameters that would identify “marginal agricultural acreage” (MAA). | Parameters to identify “MAA” |
| 2002-2003 | ODNR- Forestry, REALM | REALM to identify and map acres, meeting definitions available to reforestation, by sub-watershed. | Target acres by sub-watershed |
| 2003 | ODNR- Forestry, Div. of Soil & Water | Identify methodology to use direct and indirect marketing of tree planting to owners of “MAA” – identify funding and implement. | Direct/Indirect marketing campaign |
| 2003-2004 | ODNR- Forestry | Work to develop and encourage tree planting vendors; investigate opportunity for “turn-key” tree planting program similar to NW Ohio Windbreak. | Implemented tree planting |
| 2004 | ODNR- Forestry, REALM | Update maps of “forested MAA” to track accomplishments; update public via internet and other publications. | Reinforced message, accomplishment tracking |



Habitat:

(H-11) Make coastal parcels a high priority for state or local acquisition through direct purchases or purchase of conservation easements from willing sellers. *ODNR, Ohio General Assembly*

- Create list of high priority parcels for purchase when available or other protection strategies by 2002
- Create special fund for property purchases or purchase of easements on valuable coastal properties for recreation and habitat conservation

ACTION COORDINATOR: Wayne Warren; ODNR, Division of Real Estate & Land Management

| Year | Agency | Action | Results |
|-----------|--------|--|--|
| 2001-2002 | ODNR | Consult with other division to prioritize available high quality Lake Erie parcels for acquisition or for conservation easement purchase. | Report prepared consisting of acquisition priorities and GIS location maps w/data. |
| 2001-2002 | ODNR | Coordinate with various interest groups, organizations and business groups through various planning processes to determine their priorities regarding high quality coastal acquisitions. | Report prepared consisting of acquisition priorities and GIS location maps w/ data. |
| 2001-2002 | ODNR | Consider ways to protect viewsheds and small local lake access points through coastal grants, etc. | Consider ways to protect viewsheds and small local lake access points through coastal grants, etc. |
| 2002 | ODNR | Request capital funding for Waterfront Acquisition. | Funding obtained. |
| | | | |



Habitat:

(H-12) Encourage local communities through financial inducements to limit shoreline development to water-dependent uses. *ODNR, Lake Erie Commission*

- Prioritize funding for coastal planning grants

ACTION COORDINATOR: Wayne Warren; ODNR, Division of Real Estate & Land Management

| Year | Agency | Action | Results |
|------|-----------|---|--|
| 2000 | ODNR | Establish priorities in Coastal Management Assistance Grants for comprehensive planning, growth management, and sustainable communities planning, and planning for reduction of risks from coastal hazards. | 4 planning projects funded for coastal communities |
| 2000 | ODNR, LEC | Sustainable Development Cross-training to familiarize agency staff with principles and management | Workshop conducted November 2000; liaisons established among OCMP networked agencies. |
| 2001 | ODNR | Consider ways to protect viewsheds and small local lake access points through coastal grants, etc. | Consider ways to protect viewsheds and small local lake access points through coastal grants, etc. |
| 2001 | ODNR | Request capital funding for Waterfront Acquisition. | Funding obtained. |
| | | | |



Habitat:

(H-13) Implement Lake Erie marshes Focus Plan as part of North American Waterfowl Plan by 2020. *ODNR*

ACTION COORDINATOR: Mike Budzik; ODNR, Division of Wildlife

| Year | Agency | Action | Results |
|-----------|----------------|--|---------|
| 2001-2010 | ODNR, Wildlife | Identify a Lake Erie Marshes Focus Area to concentrate wetland management activities. | |
| 2001-2010 | ODNR, Wildlife | Protect, enhance and restore adequate wetland habitat to maintain viable populations of all wetland wildlife native to Ohio. | |
| | | | |



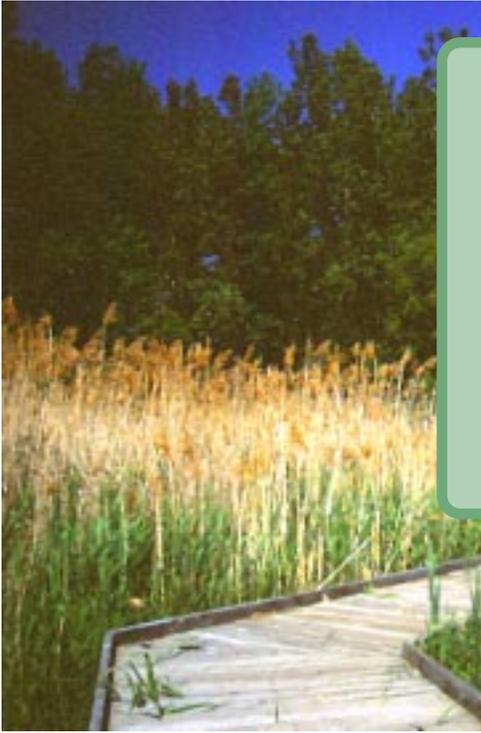
Habitat:

(H-14) Use incentives to encourage proper use and placement of shoreline erosion structures. *ODNR*

- Prohibit use of inappropriate fill materials on shorelines
- Promote the natural movement of sand along Lake Erie's shoreline and nearshore area
- Promote use of non-structural shoreline protection strategies
- Develop and implement cost effective technologies to move available offshore sand deposits into the littoral zone for beach nourishment, barrier building, etc.

ACTION COORDINATOR: Jim Morris; ODNR, Division of Water

| Year | Agency | Action | Results |
|------|--------|---|--|
| 2001 | ODNR | Review erosion control structure permit process to identify process improvements that would encourage proper use and placement of shore erosion control structures. | Improved permit and education processes. |
| | | | |
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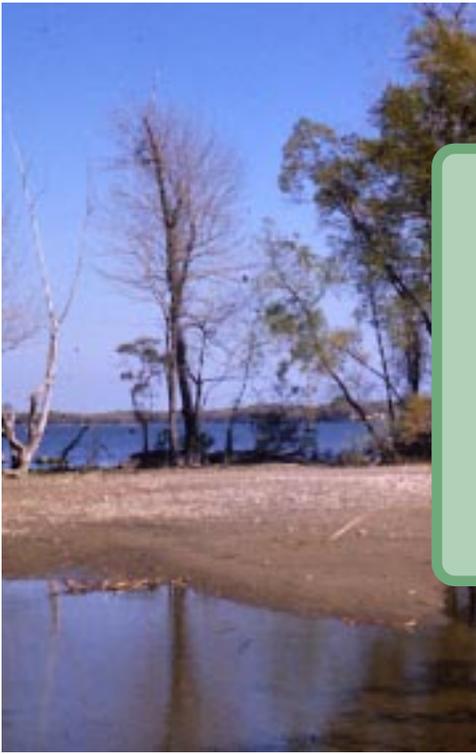


Habitat:

(H-15) Establish intensive programs by 2003 to eradicate purple loosestrife, Phragmites, and other noxious exotic plants in prime Lake Erie coastal wetlands by 2015.
ODNR

ACTION COORDINATOR:

| Year | Agency | Action | Results |
|------|--------|--|---------|
| | | Strategic Action Plan Not Yet Developed. | |
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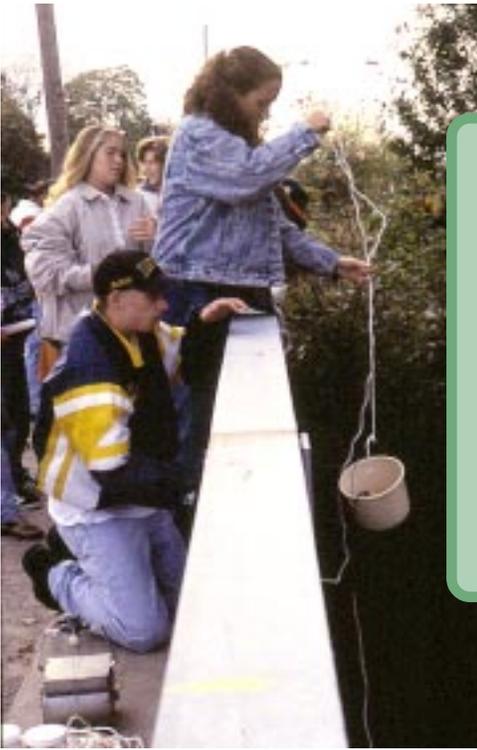


Habitat:

(H-16) Educate coastal beach managers on integrating conservation of rare beach habitats into beach maintenance programs by 2001. ODNR

ACTION COORDINATOR: Dan West; ODNR, Division of Parks & Recreation

| Year | Agency | Action | Results |
|-----------|------------------------|--|---------|
| 2002-2003 | ODNR – DNAP & Wildlife | Inventory rare/sensitive beach and shoreline habitat locations for entire Lake Erie shoreline and islands. | |
| 2002-2003 | ODNR – DNAP & Wildlife | Identify activities which endanger rare and/or sensitive habitats. Relocate or find alternatives to be identified. | |
| 2002-2003 | ODNR – DNAP & Wildlife | Conduct workshops or training for Beach Managers to educate them on BMP's for shoreline habitat protection. | |
| | | | |

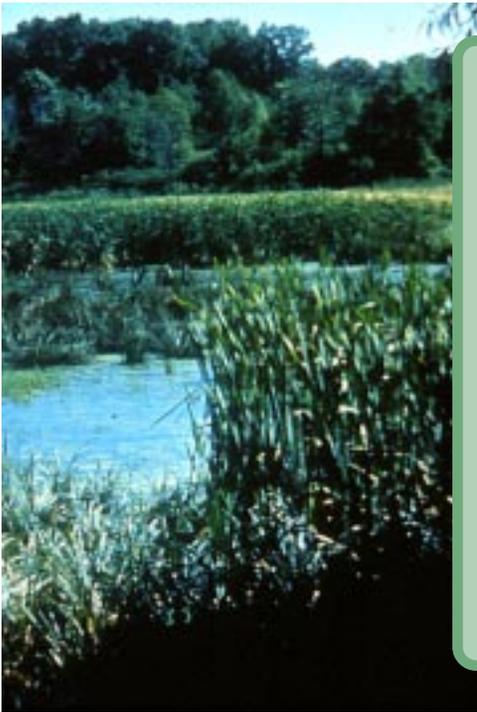


Habitat:

(H-17) Implement voluntary program for all Lake Erie watershed schools to receive an extensive Great Lakes curriculum and field experience by the 8th grade by 2005. ODNR, Lake Erie Commission, Ohio Sea Grant

ACTION COORDINATOR: Jeff Busch; Executive Director, Ohio Lake Erie Commission

| Year | Agency | Action | Results |
|------|--------------------------|---|---------|
| 2002 | LEC Sea Grant ODNR | Program to be developed that will include a 1-2 week extensive Great Lakes/Lake Erie curriculum featuring various subjects of importance to the Great Lakes (i.e., geology, ecology, shipping, history, economics, recreation, an others). Also provided would be the opportunity for classes to participate in a 1-day field trip to a Lake Erie heritage destination. | |
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Habitat:

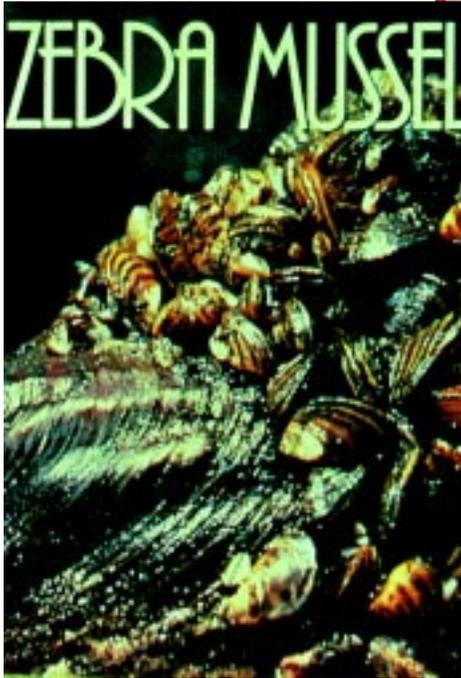
(H-18) Define and inventory where acquisition/protection of wetlands and buffer areas and other enhanced management is needed to protect these resources.

ODNR, OEPA

- Create prioritized list for enhanced management
- Use conservation reserve program for restoration of upland wetlands (See H-2)

ACTION COORDINATOR: Wayne Warren; ODNR, Division of Real Estate & Land Management

| Year | Agency | Action | Results |
|-----------|------------------------------|--|--|
| 2001 | ODNR-DNAP | Inventory of Unprotected Wetlands along the Lake Erie Coast (Coastal Plan) completed. | Definitive survey at more detailed scale provides specific mapped outlines of the priority wetlands that should be acquired. Distributed to ODNR divisions and Ohio EPA Divisions of Surface Water and Environmental and Financial Assistance for use in meeting protection and restoration goals. |
| 2001 | ODNR Coastal Management Team | Charter a team to identify and develop funding mechanism and land managing entities to acquire or facilitate acquisition of the priority wetlands identified in the DNAP report released in January 2001. | Implementation list prepared. |
| 2001 | ODNR Coastal Management Team | Request funding for Waterfront Acquisition. | Funding obtained. |
| 2001-2002 | ODNR, OEPA | OCMP Cumulative and Secondary Impacts working group (OEPA-Division of Surface Water, ODNR, REALM, SWC, NAP, and Geological Survey, with the possible inclusion of additional members) will take up the issue of enhanced protection measures in proximity to Special Management Areas (generic APCs [wetlands] and specific APRs [State Nature Preserves] identified in the OCMP document. | Wetland Protection Plan developed. |



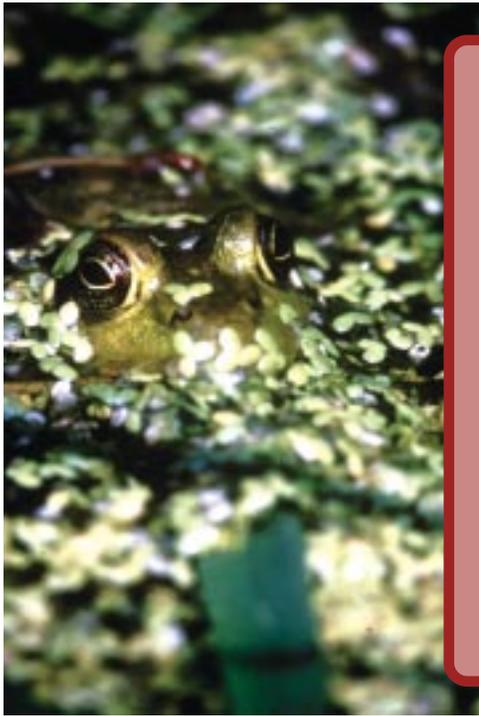
Biological:

(B-1) Fully implement Ohio's Aquatic Nuisance Species (ANS) Plan by 2003. *ODNR*

- Support efforts by the Great Lakes Commission and Great Lakes protection Fund to develop technology and regulations to eliminate ballast water introduction by marine commerce
- Develop and maintain monitoring programs in Lake Erie for early detection of new infestations
- Conduct effective information/education campaign on the prevention of ANS introductions
- Develop and implement abatement strategies to eradicate or reduce populations of targeted nuisance ANS in Lake Erie

ACTION COORDINATOR: Mike Budzik; ODNR, Division of Wildlife

| Year | Agency | Action | Results |
|-----------|--------|---|---------|
| 2001-2010 | ODNR | ODNR will continue to administer and oversee implementation of the Ohio Aquatic Nuisance State Management Plan. | |
| | | | |
| | | | |



Biological:

(B-2) Complete the inventory initiative of the Biological Diversity Strategic and Implementation Plan by 2003 emphasizing: *ODNR*

- Comprehensive inventories of coastal biological resources within Lake Erie and its watershed Promote the acceptance by all great Lakes states of the standardized Great Lakes protocol for the determination of fish consumption advisories by 2001. ODH, ODNR, OEPA

ACTION COORDINATOR: Mike Budzik; ODNR, Division of Wildlife

| Year | Agency | Action | Results |
|-----------|----------------|---|---------|
| 2001-2010 | ODNR-Wildlife | Maintain and expand upon comprehensive information base about unique habitat communities. | |
| 2001-2010 | ODNR, Wildlife | Update wetland inventory to identify priority areas to focus wetland acquisition, restoration, and enhancement efforts. | |
| | | | |



Biological:

(B-3) Continue intensive bald eagle management program with goal of establishing 50 nesting pairs within the Lake Erie watershed by 2025. *ODNR*

ACTION COORDINATOR: Mike Budzik; ODNR, Division of Wildlife

| Year | Agency | Action | Results |
|-----------|----------------|--|---------|
| 2001-2010 | ODNR, Wildlife | Monitor and protect eagle populations. | |
| 2001-2010 | ODNR, Wildlife | Protect, enhance and restore adequate wetland habitat to maintain viable populations of all wetland wildlife native to Ohio. | |
| | | | |



Biological:

(B-4) Maintain or restore viable populations of Lake Erie water snake, trumpeter swans, osprey and otter by 2025. *ODNR*

- Institute specific management programs for the above species
- Identify and protect essential habitat refuge

ACTION COORDINATOR: Mike Budzik; ODNR, Division of Wildlife

| Year | Agency | Action | Results |
|-----------|----------------|---|---------|
| 2001-2010 | ODNR, Wildlife | Protect and conserve unique habitat communities through land acquisition, conservation easements, landowner incentive programs, and partnerships. | |
| 2001-2010 | ODNR, Wildlife | Restore or enhance degraded, unique habitats where feasible. | |
| 2001-2010 | ODNR, Wildlife | Maintain and expand upon a comprehensive information base about unique habitats. | |



Biological:

(B-5) Continue development, refinement, and measurement of OEPA's Index of Biotic Integrity by 2005 – adopt as metrics for the Lake Erie Quality Index.

OEPA, ODNR

- Develop separate integrated index that incorporates plankton, benthic invertebrates and higher vertebrates as indicator species for:
 - Lake Erie tributary communities
 - Lake Erie nearshore communities
 - Lake Erie coastal wetland communities
 - Lake Erie offshore communities

ACTION COORDINATOR: Lisa Morris; Chief, Division of Surface Water - Ohio EPA

| Year | Agency | Action | Results |
|------|----------------------|--|---|
| 2000 | Ohio EPA | IBIs for fish have been developed for the Lake Erie shoreline and lacustraries. Need to be added to WQS | Adoption of IBIs into the State WQS will provide a standard value against which to measure the quality of these areas in a manner comparable to how quality is measured in rivers and waterbodies in the rest of the State. A timeline needs to be developed concerning when these biological criteria will be sent to JCARR. |
| 2001 | Lake Erie Commission | Grants awarded through the Commission' Lake Erie Quality Index development work to design indices of biotic integrity for: <ul style="list-style-type: none"> - offshore Lake Erie plankton (Dr. David Culver) - offshore Lake Erie fish (Dr. Mark Kershner) - Lake Erie coastal wetlands (Dr. David Johnson) <p>The 2003 Lake Erie Quality Index will also feature an IBI designed for terrestrial bird communities.</p> | Results anticipated in 2003 |

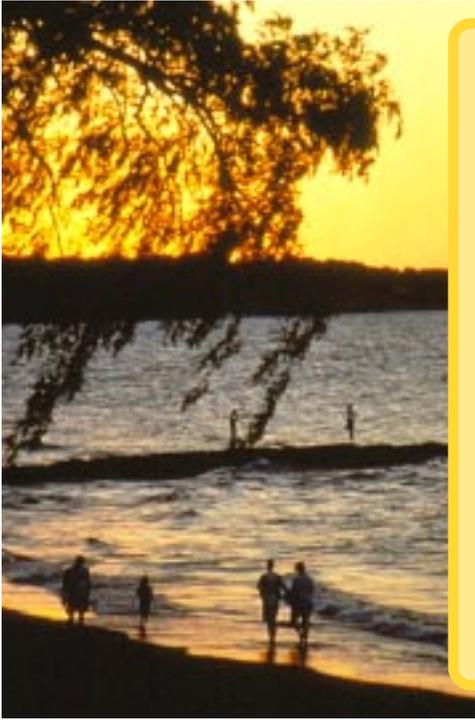


Biological:

(B-6) Establish monitoring network and evaluate above indices every five years and publish in lake Erie Quality Index. *Lake Erie Commission*

ACTION COORDINATOR: Jeff Busch; Executive Director, Ohio Lake Erie Commission

| Year | Agency | Action | Results |
|------|--------|---|--|
| 1998 | LEC | Release of <i>Ohio State of the Lake Report; Lake Erie Quality Index</i> . Report included 34 different measurements of Lake Erie environmental, recreational and economic quality. Over 5,000 copies distributed world-wide. | The LEQI was the first published set of indicators for an ecosystem as large and complex as Lake Erie and its watershed. It is intended that an LEQI would be compiled and released every 5 years. |
| 2003 | LEC | Scheduled released of 2003 Lake Erie Quality Index | |
| | | | |



Coastal Recreation:

(CR-1) Make coastal parcels a high priority for state acquisition through direct purchases or purchases of conservation easements. *ODNR, Ohio General Assembly.*

- Create list of high priority parcels for purchase when available or other protection strategies by 2001.
- Create special fund by 2002 for property purchases or purchase of easements on valuable coastal properties for recreation and habitat conservation

ACTION COORDINATOR: Wayne Warren; ODNR, Division of Real Estate & Land Management

| Year | Agency | Action | Results |
|-----------|--------|--|--|
| 2001-2002 | ODNR | Consult with other divisions to prioritize available high quality Lake Erie parcels for acquisition or for conservation easement purchase. | Report prepared consisting of acquisition priorities and GIS location maps w/data. |
| 2001-2002 | | Coordinate with various interest groups, organizations and business groups through various planning processes to determine their priorities regarding high quality coastal acquisitions. | Report prepared consisting of acquisition priorities and GIS location maps w/ data. |
| 2001-2002 | | Consider ways to protect viewsheds and small local lake access points through coastal grants, etc. | Consider ways to protect viewsheds and small local lake access points through coastal grants, etc. |
| 2002 | | Request capital funding for Waterfront Acquisition. | Funding obtained. |
| | | | |



Coastal Recreation:

(CR-2) Continue to work with local governments to assist with development and funding of bike and pedestrian facilities. *ODNR, ODOT, Lake Erie Commission*

- Create spurs and side trips to Ohio Lake Erie attractions
- Create adjoining bikeways/hikeways along Ohio's Lake Erie Circle Tour route
- Set goal of providing a biking/hiking route from Michigan to Pennsylvania linking cultural, natural, historical and recreational resources

ACTION COORDINATOR: Sharon Todd, Office of Local Assistance - Ohio Department of Transportation

| Year | Agency | Action | Results |
|--------------|--------|--|--|
| 2001 | ODOT | Ashtabula County, Geneva-on-the-Lake. Provide federal funds to add shoulders to SR 531 between the county park at Road and Geneva-on-the-Lake's east corporate line. | 7-mile path will connect a large campground to the village park and beach. |
| 2002 | ODOT | Cuyahoga County, City of Cleveland, western half of Lakefront Bikeway. Project will provide federal funds to construct a tunnel under the Conrail main line tracks, and sign a route for bicyclists to travel between Cleveland/Lakewood border to downtown Cleveland. | 14-mile path |
| Half of 2001 | ODOT | Lorain County, Black River Intermodal Center. Provide federal funds to construct a building that will allow people to transfer from one mode to another (bikes, cars, buses, water taxis, etc.) Trains are also planned. | |



Coastal Recreation:

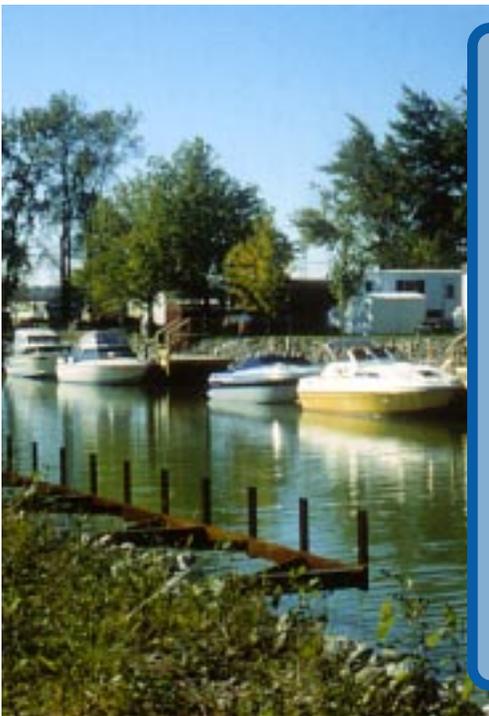
(CR-3) Use federal and state authorities to designate underwater sanctuary reserves to protect valuable Lake Erie underwater habitat and archaeological sites by 2001.

ODNR

- Create beach embarkation points for shore accessible dive destinations

ACTION COORDINATOR: Wayne Warren; ODNR, Division of Real Estate & Land Management

| Year | Agency | Action | Results |
|------|-----------|--|--|
| 2000 | ODNR, OHS | Complete feasibility study for designating underwater preserves and establish criteria. | |
| 2000 | ODNR, OHS | Initiate pilot preserve project in cooperation with local community. | Kelleys Island Shipwreck Preserve Study Initiated. |
| 2000 | ODNR, OHS | Conduct planning, evaluate existing preserves, provide for citizen participation and input from Lake Erie users. | Newsletter created, planning underway, issues, scoped. |
| 2001 | OHS | Educate divers and non-divers on underwater cultural resources and opportunities. | Publish Maritime History Guide. |
| | | | |



Boating:

(BT-1) Establish an objective for Boat Dockage for inclusion in the 2003 Lake Erie Quality Index. Then, implement a program to achieve the LEQI objective by 2010.

ODNR, ODH

- Provide public operated or partner with private marinas to provide full-service transient dockage at least every 15-25 miles along Ohio's lake Erie shoreline at market rates.
- Give high priority for expanding transient dockage at the Lake Erie islands and Cleveland's Inner Harbor

ACTION COORDINATOR: Jeff Hoedt; ODNR, Division of Watercraft

| Year | Agency | Action | Results |
|-----------|--------|---|---|
| 2003 | ODNR | Establish an objective for Boat Dockage for inclusion in the 2003 Lake Erie Quality Index (LEQI). Then, implement a program to achieve the LEQI objective. | By 2010, work with partners to have set aside an adequate number of available docks for transient moorage at state-run marinas, local government-run marinas and private marinas. Work with the City of Cleveland to open Cleveland's Inner Harbor for transient moorage. |
| 2000 | ODNR | Completed a survey of existing private and public facilities, including transient dock facilities on Lake Erie. | ODNR has data on numbers, location and condition of existing dock facilities. The public facilities are in the publication, "Ohio's Public Boating Facilities." |
| 2001 | ODNR | Analyze condition and distribution of facilities from survey data to determine the need for new or improved publicly owned docks. Update and maintain database periodically. | ODNR will be able to identify areas of most need and target agencies to apply for grants. |
| 2001 | ODNR | ODNR will make 3 applications to the USFWS for funding assistance through the Big Program (FY 2000, 2001, 2002) to increase the amount of transient dockage on Lake Erie. | Additional public transient dockage on Lake Erie, suitable for boats over 26 ft. |
| 2000-2003 | ODNR | ODNR purchased 124 acres on Middle Bass Island that included an existing marina harbor. Actively participate in the design, management and operational plan of the park as a top shelf full-service transient facility. | The area will be developed as a state park. The marina will be a key component and will include transient docks. Meet and/or exceed the expectations of boaters experiences from transient harbors in Michigan and Ontario, Canada. |

Boating: (BT - 1) Continued.....

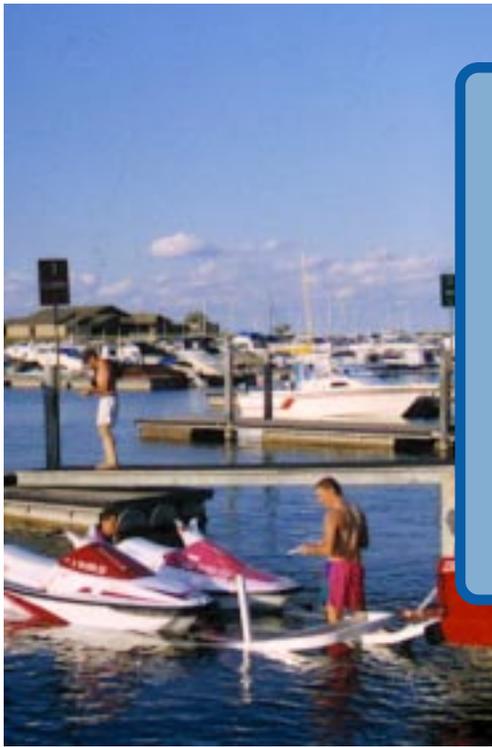
| Year | Agency | Action | Results |
|-----------|--------|---|---|
| 2001-2002 | ODNR | "Boating On Ohio Waterways-A-Plan for Access and Use Management", to be completed in 2002, will study public boat dockage needs on Lake Erie. | ODNR will have a completed regional analysis that will provide a basis for public boat dockage objectives. |
| 2001-2002 | ODNR | Create and fill boating facility grant coordinator position in northern Ohio to specifically address boat transient docking facility needs in Lake Erie region and then assist facility management organization to address needs and successfully compete for financial assistance from the Waterways Safety Fund when desired. Position will also be able to provide support in applying for federal financial assistance for projects in that region. | Improved assessment of boating transient docking facility needs in the Lake Erie region and improved system for addressing these needs. |

Boating:

(BT-2) Establish an objective for Launching Facilities for inclusion in the 20032 Lake Erie Quality Index. Then implement a program to achieve the LEQI objective by 2010. ODNR

- **Consider boat launch access initiatives to Lake Erie tributaries and rivers as well as direct Lake access**

ACTION COORDINATOR: Jeff Hoedt; ODNR, Division of Watercraft



| Year | Agency | Action | Results |
|-----------|--------|---|--|
| 2000 | ODNR | Completed a survey of existing private and public facilities, including launching facilities on Lake Erie. | ODNR has data on location, condition and number of launching facilities. The public facilities are in the publication, "Ohio's Public Boating Facilities." |
| 2001-2002 | ODNR | "Boating on Ohio Waterways-A-Plan for Access and Use Management", to be completed in 2002, will study boat launching needs on Lake Erie and its tributaries and rivers. | ODNR will have a completed regional analysis that will provide a basis for determining launching facilities objectives. |
| 2001 | ODNR | Analyze condition and distribution of facilities from survey data to determine the need for new or improved publicly owned launch access facilities. | ODNR will be able to identify areas of most need, and target agencies to apply for grants. |
| 2001 | ODNR | Cleveland Lakefront State Park, Edgewater ramp reconstruction complete 2001 boating season. | Improvement to Lake Erie launch access at Edgewater-Cleveland L.S.P. |
| 2001-2002 | ODNR | Create and fill boating facility grant coordinator position in northern Ohio to specifically address launch facility needs in the Lake Erie region and then assist land management agency to address needs and successfully compete for financial assistance from the Waterways Safety Fund when desired. Position will also be able to provide support in applying for federal financial assistance for projects in that region. | Improved assessment of boating launch facility needs in the Lake Erie region and improved system for addressing these needs. |



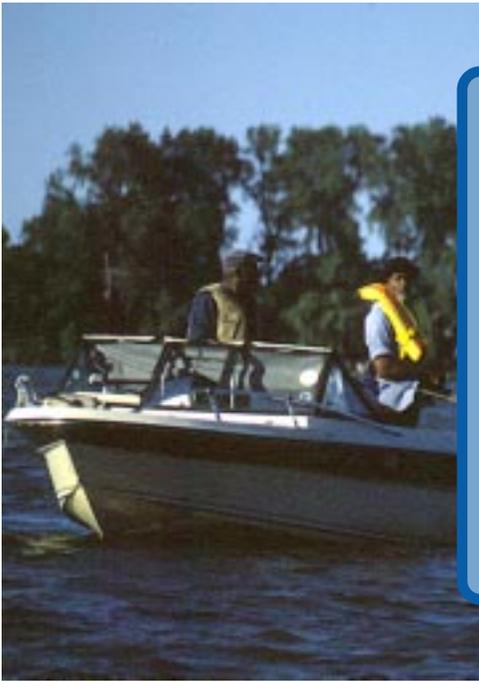
Boating:

(BT-3) Evaluate all state-operated launch facilities and make improvements when appropriate by 2010. ODNR

- **Expand the number of lanes**
- **Increase available parking**
- **Improve lighting and security**
- **Improve access roads and signage**
- **Make grants/loans available for local ramp developers**

ACTION COORDINATOR: Jeff Hoedt; ODNR, Division of Watercraft

| Year | Agency | Action | Results |
|-----------|--------|---|--|
| 2001-2002 | ODNR | “Boating on Ohio Waterways-A-Plan for Access and Use Management”, to be completed in 2002, will study boat launching needs on Lake Erie and its tributaries and rivers. | ODNR will have a completed regional analysis that will provide a basis for determining launching facilities objectives. |
| 2001 | ODNR | Analyze condition and distribution of facilities from survey data to determine the need for new or improved publicly owned launch access facilities. | ODNR will be able to identify areas of most need and target agencies to apply for grants. |
| 2000 | ODNR | Completed survey of existing private and public facilities, including launching facilities on Lake Erie. | ODNR has data on location, condition and number of launching facilities. The public facilities are in the publication, “Ohio’s Public Boating Facilities.” |
| 2000 | ODNR | Completed a survey existing of private and public facilities, including launching facilities on Lake Erie. | ODNR has data on location, condition and number of launching facilities. The public facilities are in the publication, “Ohio’s Public Boating Facilities.” |
| 2001 | ODNR | Cleveland Lakefront State Park, Edgewater ramp reconstruction complete for 2001 boating season. | Improvement to Lake Erie launch access at Edgewater-Cleveland L.S.P. |
| 2001-2002 | ODNR | Create and fill boating facility grant coordinator position in northern Ohio to specifically address launch facility needs in the Lake Erie region and then assist land management agency to address needs and successfully compete for financial assistance from the Waterways Safety Fund when desired. | Improved assessment of boating launch facility needs in the Lake Erie region and improved system for addressing these needs. |

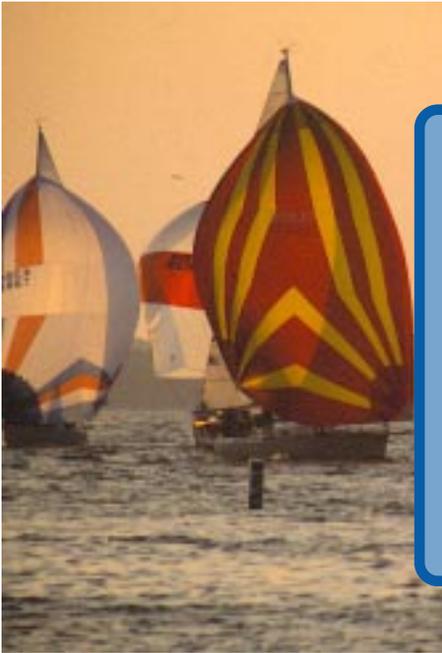


Boating:

(BT-4) Periodically evaluate the percentage of fuel purchased in Ohio which is used by recreational boats. Use this information to make adjustments to the funds appropriated to the Waterways Safety Fund. *ODNR, Ohio General Assembly*

ACTION COORDINATOR: Jeff Hoedt; ODNR, Division of Watercraft

| Year | Agency | Action | Results |
|-----------|------------|---|--|
| 1998-1999 | ODNR & LSC | The Legislative Service Commission provided an analysis of motorboat fuel consumption to the General Assembly. It stated that , "An increase in the allocation to a full 1% or even 1.25% appears sustainable from the data gathered. | The portion of fuel tax distributed to the Waterways Safety Fund rose from .5% to .75%. |
| 2001 | ODNR | Budget requests were made to have an additional 1/8 of 1% go to the Waterways Safety Fund (WWSF) and 1/8 of 1% go to a new Boater Angler Fund that would be administered by the ODNR-Division of Wildlife. | The portion of fuel tax distributed to state boating accounts is being increased from .75% to 1%. 0.875% will go into the WWSF and .125% will go to a new Boater Angler Fund that will be administered by the ODNR-Division of Wildlife. |
| 2002-2003 | ODNR | An updated survey motorboat fuel consumption will be completed. | Results will be provided to appropriate decision makers. |



Boating:

(BT-5) Make boater registration available on-line on the Internet by 2003. *ODNR*

ACTION COORDINATOR: Jeff Hoedt; ODNR, Division of Watercraft

| Year | Agency | Action | Results |
|-----------|--------|--|---|
| 2001 | ODNR | Boat E-renewal registrations began January 2001. | As of May 20, 2001; 2,512 E-renewals have been received and processed. |
| 2001-2003 | ODNR | Have an E-agent system available online. | Both agents and boaters will have enhanced registration services. This system will allow agents to directly access the Watercraft Information System database and issue the registration instead of the current paper system. The boater will have enhanced look-up capability to public record information from their home PC. |
| | | | |



Boating:

(BT-6) Increase the presence and activity of state and local law enforcement on Lake Erie and stiffen boating operation laws. *ODNR, Ohio General Assembly*

- Increase the number of Ohio watercraft officers and explore opening one additional Lake Erie field office
- Double the number of annual check points/boardings
- Provide support facilities (secure impoundment areas) for more stringent enforcement of all boating safety laws.

ACTION COORDINATOR: Jeff Hoedt; ODNR, Division of Watercraft

| Year | Agency | Action | Results |
|-----------|--------|--|---|
| 2002 | ODNR | Increase funding to Marine Patrol grant program from \$500,000 in 2001 to \$550,000 in 2002 and \$600,000 in subsequent years. Also, increase the cap on the amount of assistance that a Marine Patrol can receive from \$30,000/year to \$35,000/year to adjust for future inflation. | Additional funding for existing Marine Patrols in the Lake Erie region. |
| 2002 | ODNR | Encourage establishment of local Marine Patrols in areas of need, i.e. Port Clinton, Erie County and Ashtabula County. | Create a marine law enforcement presence in areas presently served by Division of Watercraft only. Increase number of check points and safety presence. |
| 2002 | ODNR | Increase Marine Patrol equipment loan program to \$250,000 annually. | Provide newer and safer patrol vessels to Lake Erie Marine Patrols to enhance law enforcement presence. |
| 2000-2003 | ODNR | In 2000, established Watercraft Officer presence in former USCG Ashtabula Station. For future, try to obtain ownership of facility and consider renovating it to be ADA accessible and open to the public for registration and education purposes. | Increase Division of Watercraft presence and increase boater services in eastern and end of Lake Erie. |
| 2002 | ODNR | Increase the size and number of boat impoundment areas (both indoor and outdoor secure storage) as Watercraft offices are built or remodeled. | Safe, secure storage of trailerable vessels seized or impounded during enforcement actions. |

Boating: (BT - 6) Continued.....

| Year | Agency | Action | Results |
|-----------|--------|--|--|
| 2001 | ODNR | Contract with local marinas in Lake Erie region to secure boat lift and vessel storage of impounded or seized vessels. | Safe and secure storage of non-trailerable watercraft seized or impounded during marine law enforcement actions. |
| 2000-2001 | ODNR | Hired additional state watercraft officers and cadets statewide. In Lake Erie region, officers also redistributed to locations that reduce travel time on the road to get to patrol sites. | Increased presence and activity of state watercraft officers on Lake Erie. |
| Ongoing | ODNR | Coordinating with the U.S. Coast Guard and their six stations on Lake Erie, in Ohio, to provide additional patrols and supports on the waters. | Increased presence and activity of total safety patrols on Lake Erie and increase in number of check points/boardings. |



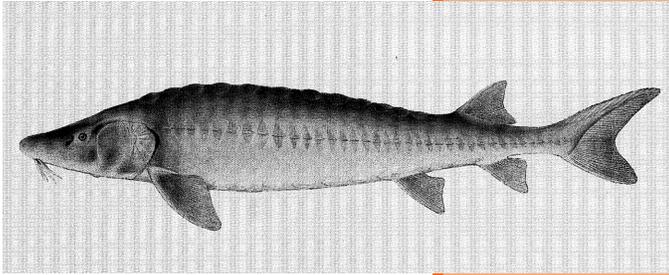
Fishing:

(F-1) Identify, designate and enforce special protection areas for offshore reefs, nearshore areas, and tributaries that are essential for the propagation of Lake Erie sportfish by 2010. *ODNR, Ohio General Assembly*

- Special Protection Areas will be protected from inappropriate development, waste disposal, overfishing and mineral extraction damages

ACTION COORDINATOR: Mike Budzik; ODNR, Division of Wildlife

| Year | Agency | Action | Results |
|-----------|--------|--|---------|
| 2000-2001 | ODNR | Fund research into Lake Erie smallmouth bass habitats. | |
| 2001-2002 | ODNR | Continue enforcement of commercial and sportfishing regulations in areas identified in Ohio Revised Code and the Ohio Administrative Code. | |
| 2001-2010 | ODNR | Identify, appraise, and inventory critical habitats for Lake Erie fishes and develop a prioritization scheme for habitat protection and restoration. | |



Fishing:

(F-2) Reestablish viable fisheries for Lake Sturgeon, Muskellunge and Northern Pike by 2025. *ODNR*

- Evaluate and establish catch rate goals for 2005 management plan

**ACTION COORDINATOR: Mike Budzik;
ODNR, Division of Wildlife**

| Year | Agency | Action | Results |
|-----------|--------|--|---------|
| 2001-2002 | ODNR | Continue support for funding research projects through the Great Lakes Fish Commission, the Great Lakes Protection Fund, and CARA. | |
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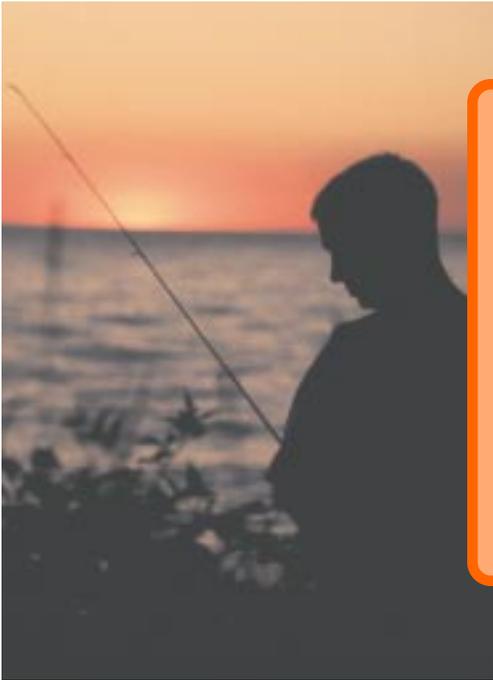


Fishing:

(F-3) Evaluate the impacts and effectiveness of off-shore artificial reefs as a method for expanding fisheries in Lake Erie. *ODNR, Lake Erie Commission, Ohio Sea Grant*

ACTION COORDINATOR: Mike Budzik; ODNR, Division of Wildlife

| Year | Agency | Action | Results |
|-----------|--------|--|---------|
| 2001-2002 | ODNR | Continue creel surveys to measure effort and catch at reef areas. | |
| 2001-2002 | ODNR | Continue to identify reef locations by identification buoys and GPS coordinates. | |
| | | | |

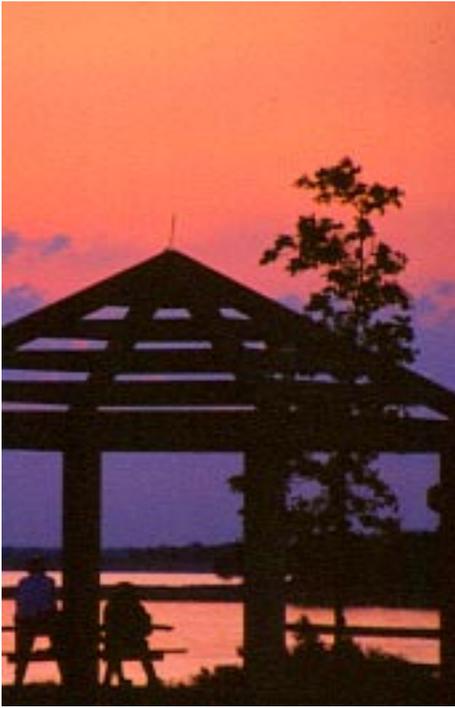


Fishing:

(F-4) Establish an objective for Shoreline Fishing for inclusion in the 2003 Lake Erie Quality Index. Then, implement a program to achieve the LEQI objective by 2010. *ODNR*

ACTION COORDINATOR: Mike Budzik; ODNR, Division of Wildlife

| Year | Agency | Action | Results |
|------|--------|--|---------|
| 2001 | ODNR | Implement Lake Erie tributary creel survey on the Maumee and Sandusky Rivers to resume effort and catch. | |
| | | | |
| | | | |



Fishing:

(F-5) Evaluate all state fishing facilities and make necessary improvements by 2005. This effort will emphasize: *ODNR*

- Installation of weather protection structures (roofs and wind blocks)
- Safety and handicap accessibility of approaches and fishing areas
- Restroom facilities
- Cleaning tables and refuse disposal
- Aesthetics and natural landscaping of facilities and surroundings

ACTION COORDINATOR: Mike Budzik; ODNR, Division of Wildlife

| Year | Agency | Action | Results |
|-----------|--------|--|---------|
| 2001-2002 | ODNR | Continue operation and maintenance at ODNR facilities. | |
| 2001-2010 | ODNR | Evaluate existing facilities and incorporate angler recruitment and retention goals in decision process. | |
| | | | |

OHIO SPORT FISH
CONSUMPTION ADVISORY



OHIO DEPARTMENT OF HEALTH

Fishing:

(F-6) Provide timely and consistent publication and dissemination of fish consumption advisory information by 2001 (See WQ-2). *ODNR, ODH, OEPA*

ACTION COORDINATOR: Mike Budzik; ODNR, Division of Wildlife

| Year | Agency | Action | Results |
|-----------|--------|--|---------|
| 2001-2002 | ODNR | Continue to provide OEPA fish tissue samples for contaminant analyses. | |
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Fishing:

(F-7) Develop portable program and equipment for a beginner fishing class that can be implemented through existing clubs and organizations by 2003. *ODNR*

- Maintain and expand Hooked on Fishing Not on Drugs program and other programs to promote fishing.

ACTION COORDINATOR: Mike Budzik; ODNR, Division of Wildlife

| Year | Agency | Action | Results |
|-----------|--------|---|---------|
| 2001-2010 | ODNR | Increase ODNR's efforts towards recruitment and retention of anglers. | |
| 2001-2010 | ODNR | Develop curriculum and hold workshops for conservation organizations to work with their constituents. | |
| | | | |



Fishing:

(F-8) Produce and widely disseminate a guidebook on “smart” ice fishing that includes public access points, parking availability and associated services by 2001.
ODNR

ACTION COORDINATOR: Mike Budzik; ODNR, Division of Wildlife

| Year | Agency | Action | Results |
|------|--------|--|---------|
| 2001 | ODNR | Formulate strategies to increase public awareness on the dangers involved with ice fishing on Lake Erie. | |
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| | | | |



Beaches:

(BCH-1) Establish an objective for Beach Availability for inclusion in the 2003 Lake Erie Quality Index. Then, implement a program to achieve the LEQI objective by 2015.

ODNR

- Inventory beaches to produce an accurate assessment of available public swimming beaches and public demand
- Prioritize the acquisition of available tracts of Lake Erie beach properties and acquire them
- Seek partnerships with local governments and organizations to provide public access to beaches
- Reestablish or maintain new public beaches using beach nourishment technologies where feasible

ACTION COORDINATOR: Wayne Warren; ODNR, Division of Real Estate and Land Management

| Year | Agency | Action | Results |
|-----------|--------|--|--|
| 2001-2002 | ODNR | Using Lake Erie Access Inventory Data and other available resources (SCORP, etc.) to evaluate existing beaches and their density along shoreline. | Profile prepared noting existing beaches, size (length), facilities available, usage numbers, etc. |
| 2001-2002 | ODNR | Use new and existing survey information to evaluate public demand for beach facilities and public satisfaction. | Needs assessment prepared based on results of public survey. |
| 2001-2002 | ODNR | Determine areas of need and prioritize areas where there may be willing sellers. | Prioritized acquisition list prepared. |
| 2001-2002 | ODNR | Develop program for interaction with communities along shoreline to enhance and provide access to local beach property. | Community/agency partnerships formed to increase beach access in local shoreline communities. |
| 2001-2002 | ODNR | Investigate beach quality and provide education, planning and financial assistance to communities with emphasis on beach nourishment and sound management practices. | Community/agency partnerships formed to encourage the survival of high quality beaches. |
| 2001-2002 | ODNR | Using above information, develop Beach Availability Objective and rate progress to goal. | Index developed. |



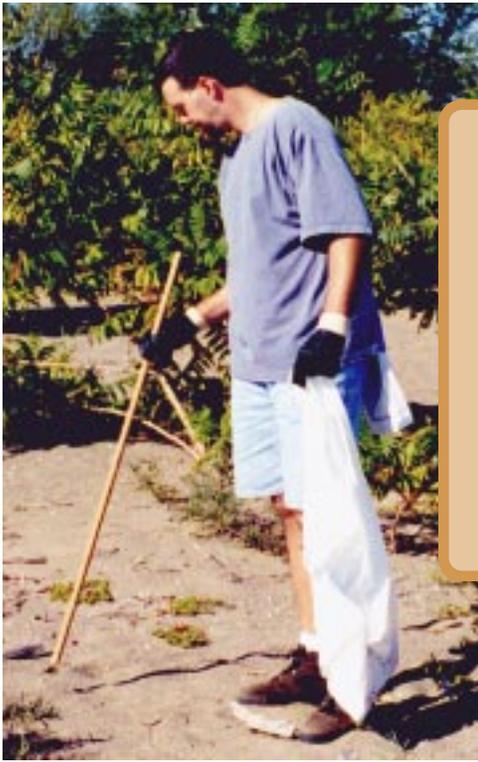
Beaches:

(BCH-2) Evaluate and make necessary improvements at all state-managed beaches by 2010 to include: *ODNR*

- Improved access
- Parking
- Concessions
- Services
- Safety and security

ACTION COORDINATOR: Dan West; ODNR, Division of Parks & Recreation

| Year | Agency | Action | Results |
|-----------|--------------|---|---------|
| 2001-2002 | ODNR | Survey beach users for additional activities and amenities desired at beach areas. | |
| 2001-2003 | ODNR | Identify under-used existing facilities. Encourage use of these areas through advertising and promotional activities. | |
| 2001-2003 | ODNR ODOT | Examine existing highway system as potential barrier to easy/convenient access to beach areas. | |
| 2001-2003 | ODNR | Identify/study other successful models of beach operations and concessions for adoption by Ohio State Parks. | |
| 2002-2005 | ODNR – Parks | Prioritize facility improvements requested/desired by public. Identify and secure resources needed to accomplish. | |



Beaches:

(BCH-3) Organize local sponsorship and stewardship programs to maintain state managed beaches by 2005.
ODNR

ACTION COORDINATOR: Dan West; ODNR, Division of Parks & Recreation

| Year | Agency | Action | Results |
|-----------|--------|--|---------|
| 2001-2003 | ODNR | Ohio State Parks will organize sponsorship opportunities for local civic, school and corporate groups to take increased responsibility for beach cleaning, facility improvement and customer satisfaction. | |
| 2001-2003 | ODNR | Ohio State Parks will redirect the efforts of its volunteer program to provide increased support for improvements, cleaning and customer satisfaction services at Lake Erie beaches. | |
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Tourism:

(T-1) Implement comprehensive program to promote cultural and eco-tourism as tools to expand Lake Erie tourism revenues and conserve natural and cultural resources by 2002.
ODOD, ODNR, Lake Erie Commission

- Provide training to business owners, local officials and natural resource managers to better capture eco-tourism dollars.
- Provide grants for signage, trails, landscaping, security, access and parking at suitable natural areas and cultural landmarks
- Increase state staffing of naturalists to provide better customer service to eco-tourists at state facilities
- Partner with county tourism bureaus in developing and implementing a comprehensive strategic plan to promote cultural and eco-tourism
- Review ways to improve signage to tourism attractions along the lake and tributaries. ODOT

ACTION COORDINATOR: Jeff Busch; Executive Director, Lake Erie Commission

| Year | Agency | Action | Results |
|------|-----------------------|--|-----------------------------|
| 2001 | Lake Erie Circle Tour | Lake Erie Circle Tour team applied for and received designation for "Lake Erie Heritage Area". Effort is centered on developing and marketing the coastal natural, recreational, historic, and cultural tourism assets. | |
| 2001 | ODOD | Awarded grant to Lake Erie Circle Tour to undertake an inventory of all heritage tourism assets in the Lake Erie Heritage Area. Contract awarded to Ted Eubanks, an internationally known expert on heritage based tourism. Information generated from the inventory will be developed into a marketing strategic plan to market the North Coast as an international destination for heritage tourism. | Expected completion in 2002 |
| 2001 | LEC | Lake Erie Circle Tour awarded a 3-year 235K grant to implement the Lake Erie Heritage Area marketing plan. Work will include hiring of staff, publishing specialized tour documents, and an outreach/education component to increase the awareness of heritage based tourism benefits and opportunities to local officials and decision makers across northern Ohio. | Expected completion in 2005 |



Tourism:

(T-2) Support the reestablishment of the Great Lakes cruising industry. *Lake Erie Commission*

- Work to attract cruise liners into the Great Lakes and include Ohio ports-of-call in their cruise itineraries

ACTION COORDINATOR: Jeff Busch; Executive Director, Ohio Lake Erie Commission

| Year | Agency | Action | Results |
|------|--------|--|---|
| 2001 | LEC | Awarded small grant to Toledo-Lucas County Port Authority to support Ohio membership in Great Lakes Cruising Marketing effort. This organization markets internationally to cruise lines to entice cruise liners to include Great Lakes itineraries. | In 2001, a modern record of 8 separate cruise lines had scheduled service into the lakes. |
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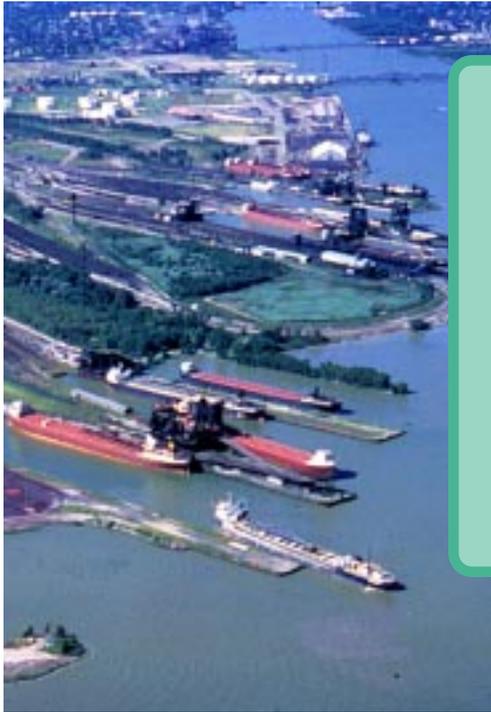
Tourism:

(T-3) Enhance the Lake Erie Circle Tour by 2003.
 ODOT, Lake Erie Commission, ODOD

- Ensure route appears on state road maps
- Maintain and improve signage to ensure that the Lake Erie Circle Tour is recognized at major intersections
- Enhance appearance of Tour destinations through Kiosks, shelters, signage, etc.
- Incorporate adjoining bikeways/hikeways, natural preserves and cultural landmarks with Lake Erie Circle Tour

ACTION COORDINATOR: Sharon Todd; Office of Local Assistance - Ohio Department of Transportation

| Year | Agency | Action | Results |
|------|--------|--|---|
| 2000 | ODOT | Provided funds to Lake County Metroparks to build a rail-trail on former B&O Railroad right-of-way beginning in Painesville at Jackson Street and continuing south to Colburn Road. | 3-mile rail-trail – UNDER CONSTRUCTION |
| 2002 | ODOT | Ashtabula County. Provide federal funds to build 8 miles of rail-trail on the former Conrail right-of-way. | |
| 2002 | ODOT | Lucas County, City of Oregon. Provide federal funds to build bikepath from the Eagle Landing Golf Course and Residential Community north, connecting to the Bay Shore Road Bikeway. | |
| 2002 | ODOT | Ottawa County, South Bass Island. Provide federal funds to add shoulders to each side of Langram Road between the ferry dock and downtown Put-In-Bay, and mark them as bike lanes. | |



Shipping:

(S-1) Implement Ship Ohio Program by 2002. ODOD, Ohio General Assembly

- Supports the development and use of Ohio's ports
- Establish position of Ship Ohio coordinator within Ohio Department of Development

ACTION COORDINATOR: Nate Green; Ohio Department of Development

| Year | Agency | Action | Results |
|-----------|------------------|---|--|
| 2001-2002 | ODOD, ODOT, ORDC | Ohio Port Authority Council to work with ODOD, ODOT, ORDC and the General Assembly on ways to more actively fund port infrastructure projects. | Modernization of Lake Erie port infrastructure. |
| 2001 | ODOD | ODOD's Transportation Liaison will work with ODOD administration to develop a feasible plan for companies to use Ohio's seaports when possible. (Ship Ohio) | Implementation of Ship Ohio program. |
| 2001 | ODOD | Ohio Port Authority Council will identify infrastructure projects that need funding. | Modernization of Lake Erie port infrastructure. |
| 2001-2002 | ODOD | As part of the E-Corridor Marketing Plan, ODOD can highlight Ohio's shipping industry. (Ship Ohio) | Public awareness of the assets existing along the Lake Erie shoreline. |
| 2001-2002 | ODOD, ODOT, ORDC | These agencies will continue to support the development efforts of Ohio's Port Authorities. | Ohio is a continued leader in economic development. |
| | | | |



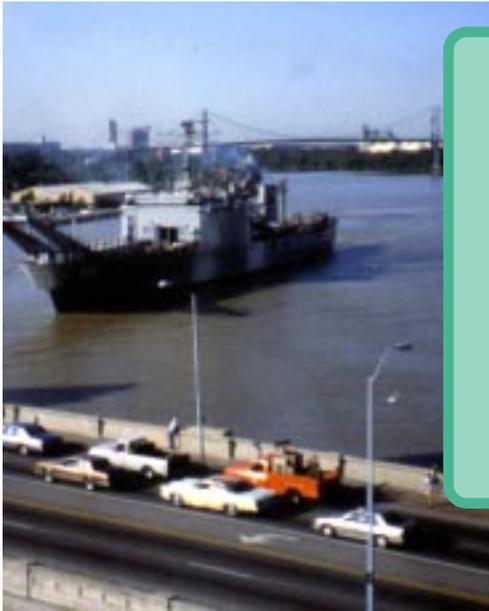
Shipping:

(S-2) Direct Great Lakes regional management forums to support interests of Great Lakes shipping community by 2002. *ODOD*

- Develop Ship Great Lakes initiative
- Encourage the completion of a 50-year St. Lawrence Seaway strategic plan.

ACTION COORDINATOR: Nate Green; Ohio Department of Development

| Year | Agency | Action | Results |
|------|------------------|--|---|
| 2001 | ODOD | ODOD's Transportation Liaison will work with ODOD administration to develop a feasible plan for companies to use Ohio's seaports when possible. | Implementation of Ship Ohio Program. |
| 2001 | ODOD, ODOT | State of Ohio will work with the Great Lakes Commission to actively support their efforts on the 50-year St. Lawrence Strategic Plan. | Implementation of 50-year St. Lawrence Seaway Strategic Plan. |
| 2002 | ODOD | Ohio Port Authority Council will hold forums in communities along Lake Erie to develop plans for increasing shipping. | A comprehensive plan that is beneficial to industry, communities and the environment. |
| 2002 | ODOD | In conjunction with local economic development professionals, Ohio Port Authority Council will work to see what Ohio goods can be shipped through Lake Erie ports that are currently being shipped from elsewhere. | Increase traffic for Lake Erie seaports. |
| 2002 | ODOD | In conjunction with local economic development professionals, identify what new opportunities exist for shipping out of Lake Erie seaports. | Increase traffic for Lake Erie seaports. |
| 2002 | ORDC | Identify opportunities for increased multi-modal traffic. | Increase cargo tonnage for Lake Erie seaports. |
| 2002 | ODOD, ODOT, ORDC | Work with Army Corps of Engineers on their commodity flow study to identify new shipping opportunities. | Increase cargo tonnage for Lake Erie seaports. |



Shipping:

(S-3) Include intermodal transportation access to seaports in strategic highway planning. ODOT

**ACTION COORDINATOR: Suzann Gad, Administrator;
Office of Urban Corridor Planning - Ohio Department of
Transportation**

| Year | Agency | Action | Results |
|--------------|--------|---|---|
| FY 2000-2006 | ODOT | Construct new Maumee River Crossing (Bridge) and new Interchange at I-280 and Front Street to serve the Port of Toledo (\$320 million to design, inspect, construct bridge, approaches, and interchange improvements.) | Improved access to Port of Toledo by trucks, improved weight limits to accommodate Michigan loads (154,000 lbs.) using the Port. Addition of the bridge means that trucks are no longer delayed while they wait for the drawbridge to go up or down. New Front Street interchange provides more direct access from interstate directly to the Port. |
| FY 2001 | ODOT | Upgrade Interchange and ramps in Cuyahoga County State Route 2 at West 3 rd to improve access to the Port of Cleveland (\$3.3 million) | Improve access by trucks entering the Port of Cleveland. |
| FY 2001 | ODOT | Freight Research and Planning Study, Data acquisition and analysis. Purchased freight commodity data for the state including all modes, intermodal connections, origin/destination, and commodities to the 4 digit SIC level. (\$152,000) | Identify typed of freight commodities flowing into, out of and through Ohio and project freight growth; this will help ODOT plan for improvements to the transportation system to accommodate growth and to identify opportunities to shift commodities between modes. |
| FY 2002-2003 | ODOT | Partner with ORDC, ODOT, and the Army Corps to conduct Commodities and Market analysis and plan for all Ohio water ports. (\$400,000 total shared study cost.) | Identify opportunities to improve intermodal facilities and improve access to Ohio's water ports and shipping facilities. |
| FY 2002-2003 | ODOT | ODOT has begun the process to update its Statewide Long Range, Multi-modal Plan, Access Ohio. (Estimated budget, entire update approximately \$1.8 million.) | |