

US EPA ARCHIVE DOCUMENT

2000 Water Quality Report Appendix F-1. Total Miles of Great Lakes Shoreline in the Nation

Jurisdiction	Total Miles	Assessed Miles	Percent Assessed
Illinois	63	63	100%
Indiana	43	43	100%
Michigan	3,250	3,250	100%
Minnesota	272	0	0%
New York	577	457	79%
Ohio	236	236	100%
Pennsylvania	63	0	0%
Wisconsin	1,017	1,017	100%
Total	5,521	5,066	92%

Appendix F-1. Total Miles of Great Lakes Shoreline in the Nation

Jurisdiction	Comment
Illinois Indiana Michigan Minnesota New York Ohio Pennsylvania Wisconsin	Entered value from 1998 report because state did not include it in their abbreviated report and did not indicate it had changed. Does not include miles classified as "fully supporting or not assessed" ADB lists more assessed waters than total waters for GL shoreline Includes GL as acres in the electronic submission. No information for shoreline. No GL shoreline miles in the ADB - and no assessment info in the report. Number from later communication with state.
Total	

Appendix F-2. Summary of Fully Supporting, Threatened, and Impaired Waters in Assessed Great Lakes Shoreline

Jurisdiction	Full Support - Evaluated	Full Support - Monitored	Full Support - Not Specified	Full Support - Total	Threatened - Evaluated	Threatened - Monitored	Threatened - Not Specified	Threatened - Total	Impaired - Evaluated	Impaired - Monitored	Impaired - Not Specified
Illinois				0	63			63			
Indiana				0	0	0		0	0	43	
Michigan				0				0	3,250		
Minnesota				0				0			
New York				0	40			40	417		
Ohio				0			185	185			35
Pennsylvania				0				0			
Wisconsin				0			807	807			210
								0			
Total				0	103		992.1	1,095	3667	43	244.8
Percent of assessed for summary of use support	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%	19.6%	21.7%	72.6%	0.9%	4.8%

Appendix F-2. Summary of Fully Supporting, Threatened, and Impaired Waters in Assessed Great Lakes Shoreline

Jurisdiction	Impaired - Total
Illinois	0
Indiana	43
Michigan	3,250
Minnesota	0
New York	417
Ohio	35
Pennsylvania	0
Wisconsin	210
	0
Total	3,955
Percent of assessed for summary of use support	78.3%

Appendix F-2. Summary of Fully Supporting, Threatened, and Impaired Waters in Assessed Great Lakes Shoreline

Jurisdiction	Not Attainable - Evaluated	Not Attainable - Monitored	Not Attainable - Not Specified	Not Attainable - Total	Total Evaluated	Total Monitored	Total Unspecified	Total Assessed
Illinois				0	63	0	0	63
Indiana				0	0	43	0	43
Michigan				0	3,250	0	0	3,250
Minnesota				0	0	0	0	0
New York				0	457	0	0	457
Ohio				0	0	0	220	220
Pennsylvania				0	0	0	0	0
Wisconsin				0	0	0	1,017	1,017
Total				0	3,770	43	1,237	5,050
Percent of assessed for summary of use support	0.0%	0.0%	0.0%	0.0%	74.7%	0.9%	24.5%	

Appendix F-2. Summary of Fully Supporting, Threatened, and Impaired Waters in Assessed Great Lakes Shoreline

Jurisdiction	Comment
Illinois	
Indiana	
Michigan	Includes effect of fish consumption advisories for each of the four Great Lakes.
Minnesota	No data.
New York	Does not include waters listed as "fully supporting or not assessed." Report states that all assessments should be considered as evaluated values (page 54).
Ohio	Entered aquatic life use support in lieu of summary use data.
Pennsylvania	No data.
Wisconsin	From ALUS
Total	
Percent of assessed for summary of use support	

Appendix F-3a. Aquatic Life Use Support in Assessed Great Lakes Shoreline

Jurisdiction	Full Support	Threatened	Partial Support	Not Supporting	Not Attainable	Total Assessed
Illinois		63				63
Indiana	43	0	0	0	0	43
Michigan						0
Minnesota						0
New York		0	0	0		0
Ohio		185	11	24		220
Pennsylvania						0
Wisconsin		807	210			1,017
Total	43 3.2%	1,055 78.6%	221 16.4%	24 1.8%	0 0.0%	1,343

Appendix F-3a. Aquatic Life Use Support in Assessed Great Lakes Shoreline

Jurisdiction	Comment
Illinois	No data. Included in fish consumption use support. No data. All miles classified as "fully supporting or not assessed", cannot tell the difference No data. data from state in email 10/29/01
Indiana	
Michigan	
Minnesota	
New York	
Ohio	
Pennsylvania	
Wisconsin	
Total	

Appendix F-3b. Fish Consumption Use Support in Assessed Great Lakes Shoreline

Jurisdiction	Full Support	Threatened	Partial Support	Not Supporting	Not Attainable	Total Assessed
Illinois				63		63
Indiana	0	0	43	0	0	43
Michigan	0			3,250		3,250
Minnesota						0
New York		0	374	0		374
Ohio			229			229
Pennsylvania						0
Wisconsin			1,017			1,017
Total	0 0.0%	0 0.0%	1,663 33.4%	3,313 66.6%	0 0.0%	4,976

Appendix F-3b. Fish Consumption Use Support in Assessed Great Lakes Shoreline

Jurisdiction	Comment
Illinois Indiana Michigan Minnesota New York Ohio Pennsylvania Wisconsin	No data. 203 miles classified as "fully supporting or not assessed" No data. State reports Lake Erie/Presque Isle impaired for fish consumption data from state in email 10/29/01
Total	

Appendix F-3c. Swimming Use Support in Assessed Great Lakes Shoreline

Jurisdiction	Full Support	Threatened	Partial Support	Not Supporting	Not Attainable	Total Assessed
Illinois	50		13			63
Indiana	0	0	43	0	0	43
Michigan	3,242			8		3,250
Minnesota						0
New York		40	37	0		77
Ohio		229				229
Pennsylvania						0
Wisconsin						0
Total	3,292	270	93	8	0	3,663
	89.9%	7.4%	2.5%	0.2%	0.0%	

Appendix F-3c. Swimming Use Support in Assessed Great Lakes Shoreline

Jurisdiction	Comment
Illinois	No data. 507 miles reported as "fully supporting or not assessed" Includes primary and secondary contact recreational uses. No data. No data.
Indiana	
Michigan	
Minnesota	
New York	
Ohio	
Pennsylvania	
Wisconsin	
Total	

Appendix F-3d. Secondary Contact Use Support in Assessed Great Lakes Shoreline

Jurisdiction	Full Support	Threatened	Partial Support	Not Supporting	Not Attainable	Total Assessed
Illinois	3,250		6			3,250
Indiana						
Michigan						
Minnesota						
New York						
Ohio						
Pennsylvania						
Wisconsin						
Total	3,250	0	6	0	0	3,256
	99.8%	0.0%	0.2%	0.0%	0.0%	

Appendix F-3d. Secondary Contact Use Support in Assessed Great Lakes Shoreline

Jurisdiction	Comment
Illinois	No data.
Indiana	No data.
Michigan	
Minnesota	No data.
New York	531 miles classified as "fully supporting or not assessed"
Ohio	Included in swimming use support.
Pennsylvania	No data.
Wisconsin	No data.
Total	

Appendix F-3e. Drinking Water Use Support in Assessed Great Lakes Shoreline

Jurisdiction	Full Support	Threatened	Partial Support	Not Supporting	Not Attainable	Total Assessed
Illinois	63					63
Indiana						
Michigan	3,170			80		3,250
Minnesota						
New York						0
Ohio						
Pennsylvania						
Wisconsin						
Total	3,233 97.6%	0 0.0%	0 0.0%	80 2.4%	0 0.0%	3,313

Appendix F-3e. Drinking Water Use Support in Assessed Great Lakes Shoreline

Jurisdiction	Comment
Illinois	No data.
Indiana	
Michigan	
Minnesota	
New York	577 miles classified as "fully supporting or not assessed"
Ohio	No data.
Pennsylvania	No data.
Wisconsin	No data.
Total	

Appendix F-3f. Agriculture Use Support in Assessed Great Lakes Shoreline

Jurisdiction	Full Support	Threatened	Partial Support	Not Supporting	Not Attainable	Total Assessed	Comment
Illinois	3,250					3,250	No data.
Indiana							No data.
Michigan							No data.
Minnesota							No data.
New York							No data.
Ohio							No data.
Pennsylvania							No data.
Wisconsin							No data.
Total	3,250	0	0	0	0	3,250	
	100%	0%	0%	0%	0%		

Appendix F-4. Leading Pollutants and Stressors Impairing Assessed Great Lakes Shoreline

Jurisdiction	Priority organics	Nutrients	Pathogens	Siltation	Organic enrichment/Low DO	Taste and odor	PCB's	Metals	Mercury	Pesticides
Illinois	63									
Indiana			43				43	43	43	
Michigan										
Minnesota										
New York	433.2	82.3	58.8	79.3	68.3	52.8				23
Ohio	0.5	26.77		18.58	5.05					
Pennsylvania										
Wisconsin										
Total	496.7	109.07	101.8	97.88	73.35	52.8	43	43	43	23
Percent of impaired	12.6%	2.8%	2.6%	2.5%	1.9%	1.3%	1.1%	1.1%	1.1%	0.6%
Percent of assessed	9.8%	2.2%	2.0%	1.9%	1.4%	1.0%	0.8%	0.8%	0.8%	0.5%

Appendix F-4. Leading Pollutants and Stressors Impairing Assessed Great Lakes Shoreline

Jurisdiction	Unknown toxicity	Other habitat alterations
Illinois		
Indiana		
Michigan		
Minnesota		
New York	21	
Ohio		16.39
Pennsylvania		
Wisconsin		
Total	21	16.39
Percent of impaired	0.5%	0.4%
Percent of assessed	0.4%	0.3%

Appendix F-4. Leading Pollutants and Stressors Impairing Assessed Great Lakes Shoreline

Jurisdiction	Salinity/TDS/chlorides
Illinois	
Indiana	
Michigan	
Minnesota	
New York	12.8
Ohio	
Pennsylvania	
Wisconsin	
Total	12.8
Percent of impaired	0.3%
Percent of assessed	0.3%

Appendix F-5. Leading Sources Impairing Assessed Great Lakes Shoreline

Jurisdiction	Contaminated Sediments	Urban Runoff/Storm Sewers	Agriculture	Atmospheric Deposition	Habitat Modification (other than Hydromodification)
Illinois	63	63		63	
Indiana					
Michigan					
Minnesota					
New York	456.2	85.6	57.3	7.8	59.3
Ohio		3.28	17.83		2.4
Pennsylvania					
Wisconsin					
Total	519.2	151.88	75.13	70.8	61.7
Percent of impaired	13.1%	3.8%	1.9%	1.8%	1.6%
Percent of assessed	10.2%	3.0%	1.5%	1.4%	1.2%

Appendix F-5. Leading Sources Impairing Assessed Great Lakes Shoreline

Jurisdiction	Land Disposal	Onsite Wastewater Systems (Septic Tanks)	Combined Sewer Overflow	Industrial Point Sources	Construction
Illinois			10	16	
Indiana					
Michigan					
Minnesota					
New York	61.3	61.3	42	21	48.5
Ohio			3.78	13.99	
Pennsylvania					
Wisconsin					
Total	61.3	61.3	55.78	50.99	48.5
Percent of impaired	1.5%	1.5%	1.4%	1.3%	1.2%
Percent of assessed	1.2%	1.2%	1.1%	1.0%	1.0%

Appendix F-5. Leading Sources Impairing Assessed Great Lakes Shoreline

Jurisdiction	Source Unknown	Spills
Illinois		
Indiana	43	
Michigan		
Minnesota		
New York	1	44
Ohio		
Pennsylvania		
Wisconsin		
Total	44	44
Percent of impaired	1.1%	1.1%
Percent of assessed	0.9%	0.9%

Appendix F-5. Leading Sources Impairing Assessed Great Lakes Shoreline

Jurisdiction	Other	Municipal Point Sources	Hydromodification	Nonirrigated Crop Production	Bank or Shoreline Modification/Destabilization
Illinois					
Indiana					
Michigan					
Minnesota					
New York	32.8	28.5	6		
Ohio	0.75	3.78	16.39	17.83	13.99
Pennsylvania					
Wisconsin					
Total	33.55	32.28	22.39	17.83	13.99
Percent of impaired	0.8%	0.8%	0.6%	0.5%	0.4%
Percent of assessed	0.7%	0.6%	0.4%	0.4%	0.3%

Appendix F-5. Leading Sources Impairing Assessed Great Lakes Shoreline

Jurisdiction	Major Municipal Point Source	Highway Maintenance and Runoff	Highway/Road/Bridge Runoff
Illinois			
Indiana			
Michigan			
Minnesota			
New York		12.8	6.8
Ohio	13.99		
Pennsylvania			
Wisconsin			
Total	13.99	12.8	6.8
Percent of impaired	0.4%	0.3%	0.2%
Percent of assessed	0.3%	0.3%	0.1%