

US EPA ARCHIVE DOCUMENT

2000 Water Quality Report Table D-1 Summary of Fully Supporting, Threatened, and Impaired Waters in Assessed Wetlands

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
American Samoa	151			151				0	357
California	5,205	6,835		12,040	308	497		805	43,799
Iowa	1,900	0		1,900	12,992			12,992	19,438
Kansas				0			9,124	9,124	
Louisiana	4,480	72,320		76,800				0	
Michigan		10		10				0	
Nevada	19,326			19,326				0	
North Carolina			4,706,000	4,706,000				0	
Tennessee				0				0	54,811
Total	31,062	79,165	4,706,000	4,816,227	13,300	497	9,124	22,921	118,405
Percent of assessed	0.4%	1.0%	56.8%	58.2%	0.2%	0.0%	0.1%	0.3%	1.4%

Table D-1 Summary of Fully Supporting, Threatened, and Impaired Waters in Assessed Wetlands

Jurisdiction	Impaired - Monitored	Impaired - Not Specified	Impaired - Total	Total Evaluated	Total Monitored	Total Unspecified	Total Assessed
American Samoa			357	508	0	0	508
California	162,817		206,616	49,312	170,149	0	219,461
Iowa			19,438	34,330	0	0	34,330
Kansas		26,483	26,483	0	0	35,607	35,607
Louisiana	665,600		665,600	4,480	737,920	0	742,400
Michigan	680		680	0	690	0	690
Nevada			0	19,326	0	0	19,326
North Carolina		2,469,000	2,469,000	0	0	7,175,000	7,175,000
Tennessee			54,811	54,811	0	0	54,811
Total	829,097	2,495,483	3,442,985	162,767	908,759	7,210,607	8,282,133
Percent of assessed	10.0%	30.1%	41.6%	2.0%	11.0%	87.1%	8%

Table D-1 Summary of Fully Supporting, Threatened, and Impaired Waters in Assessed Wetlands

Jurisdiction	Comment
American Samoa California Iowa Kansas Louisiana Michigan Nevada North Carolina Tennessee	Entered aquatic life use support status because State did not report on summary use. State reports 25069 monitored and 10538 evaluated acres. Data from ADB, overall use support p. 21. Acres considered "impacted" (p. 20)
Total Percent of assessed	total 105.5 million, from NWI 2000.

Table D-2 Leading Pollutants and Stressors Impairing Assessed Wetlands

Jurisdiction	Sediment/ Siltation	Nutrients	Flow Alterations	Habitat Alterations	Filling and Draining	Pesticides
Alabama	X					
Arkansas						
California						
DRBC						
District of Columbia						
Florida						
Georgia						
Indiana						
Iowa	X	X	X	X		X
Kansas	X	X		X		X
Louisiana			X	X	X	
Maine						
Maryland						
Michigan						
Minnesota						
Mississippi						
Montana						
Nebraska	X		X			
Nevada	X	X	X			
New Mexico						
New York						
North Carolina						
North Dakota	X	X	X		X	
Oregon						
Pennsylvania						
South Carolina						
South Dakota						
Tennessee						
Texas						
Utah						
Washington						
West Virginia						
Wisconsin					X	
Total	6	4	5	3	3	2

Table D-2 Leading Pollutants and Stressors Impairing Assessed Wetlands

Jurisdiction	Sediment/ Siltation	Nutrients	Flow Alterations	Habitat Alterations	Filling and Draining	Pesticides
X = The state, tribe, territory, or commission reported that the pollutant impairs wetland quality.						

Table D-2 Leading Pollutants and Stressors Impairing Assessed Wetlands

Jurisdiction	Metals	Salinity/ TSS/ Chlorides	Pathogens	Unknown Toxicity	Ammonia	Low DO
Alabama						
Arkansas						
California						
DRBC						
District of Columbia						
Florida						
Georgia						
Indiana						
Iowa						
Kansas	X	X				X
Louisiana	X					
Maine						
Maryland						
Michigan	X					
Minnesota						
Mississippi						
Montana						
Nebraska						
Nevada						
New Mexico						
New York						
North Carolina						
North Dakota						
Oregon						
Pennsylvania						
South Carolina						
South Dakota						
Tennessee						
Texas						
Utah						
Washington						
West Virginia						
Wisconsin						
Total	3	1	0	0	0	1

Table D-2 Leading Pollutants and Stressors Impairing Assessed Wetlands

Jurisdiction	Metals	Salinity/ TSS/ Chlorides	Pathogens	Unknown Toxicity	Ammonia	Low DO
X = The state, tribe, te						

Table D-2 Leading Pollutants and Stressors Impairing Assessed Wetlands

Jurisdiction	Oil and Grease	Water Diversions	Weeds	Natural	Salt/ Fresh Water Balance	
Alabama						
Arkansas						
California						
DRBC						
District of Columbia						
Florida						
Georgia						
Indiana						
Iowa				X		
Kansas						
Louisiana						
Maine						
Maryland						
Michigan						
Minnesota						
Mississippi						
Montana						
Nebraska						
Nevada						
New Mexico						
New York						
North Carolina						
North Dakota						
Oregon						
Pennsylvania						
South Carolina						
South Dakota						
Tennessee						
Texas						
Utah						
Washington						
West Virginia						
Wisconsin						
Total	0	0	0	1	0	

Table D-2 Leading Pollutants and Stressors Impairing Assessed Wetlands

Jurisdiction	Oil and Grease	Water Diversions	Weeds	Natural	Salt/ Fresh Water Balance	
X = The state, tribe, te						

Table D-3 Leading Sources Impairing Assessed Wetlands

[illegible]

Table D-3 Leading Sources Impairing Assessed Wetlands

Juris	Industrial point sources	Municipal point sources	Agriculture	Silviculture	Construction	Urban Runoff	Resource Extraction	Land Disposal	Septage Disposal
New Jersey									
New Mexico									
New York									
North Carolina			X	X	X				
North Dakota									
Ohio									
Oklahoma									
Oregon									
Pauma Band									
Pennsylvania									
Puerto Rico									
Rhode Island									
Round Valley Tribe									
South Carolina									
South Dakota									
Tennessee									
Texas									
Utah									
Vermont									
Virgin Islands									
Virginia									
Washington									
West Virginia									
Wisconsin									
Wyoming									
Total	1	1	4	2	3	2	1	1	1

X = The state, tribe, territory, or commission reported that the source causes impairment to wetlands

Table D-3 Leading Sources Impairing Assessed Wetlands

Juris	Hydromodification	Flow Regulation/Modification	Habitat Modification (other than Hydromodification)	Bank or Shoreline Modification/Destabilization
Alabama				
Alaska				
American Samoa				
Arizona				
Arkansas				
Big Sandy Rancheria	X		X	
California				
Colorado				
Connecticut				
Delaware				
District of Columbia				
Florida				
Georgia				
Guam				
Hawaii				
Hoopa Valley Tribe				
Idaho				
Illinois	X	X	X	X
Indiana				
Iowa				
Kansas				
Kentucky				
La Posta Band				
Louisiana				
Maine				
Maryland				
Massachusetts				
Michigan				
Minnesota				
Mississippi				
Missouri				
Montana				
N Mariana Islands				
Nebraska				
Nevada				
New Hampshire				

Table D-3 Leading Sources Impairing Assessed Wetlands

Juris	Hydromodification	Flow Regulation/Modification	Habitat Modification (other than Hydromodification)	Bank or Shoreline Modification/Destabilization
New Jersey				
New Mexico				
New York				
North Carolina				
North Dakota				
Ohio				
Oklahoma				
Oregon				
Pauma Band				
Pennsylvania				
Puerto Rico				
Rhode Island				
Round Valley Tribe				
South Carolina				
South Dakota				
Tennessee				
Texas				
Utah				
Vermont				
Virgin Islands				
Virginia				
Washington				
West Virginia				
Wisconsin				
Wyoming				
Total	2	1	2	1

X = The state, tribe, ter

Table D-3 Leading Sources Impairing Assessed Wetlands

Juris	Atmospheric Deposition	Leaking Underground Storage Tanks	Highway Maintenance and Runoff	Spills	Contaminated Sediments	Natural Sources
Alabama						
Alaska						
American Samoa						
Arizona						
Arkansas						
Big Sandy Rancheria		X	X	X	X	X
California						
Colorado						
Connecticut						
Delaware						
District of Columbia						
Florida						
Georgia						
Guam						
Hawaii						
Hoopla Valley Tribe						
Idaho						
Illinois						X
Indiana						
Iowa						
Kansas						
Kentucky	X					
La Posta Band						
Louisiana						
Maine						
Maryland						
Massachusetts						
Michigan						
Minnesota						
Mississippi						
Missouri						
Montana						
N Mariana Islands						
Nebraska						
Nevada						
New Hampshire						

Table D-3 Leading Sources Impairing Assessed Wetlands

Juris	Atmospheric Deposition	Leaking Underground Storage Tanks	Highway Maintenance and Runoff	Spills	Contaminated Sediments	Natural Sources
New Jersey						
New Mexico						
New York						
North Carolina						
North Dakota						
Ohio						
Oklahoma						
Oregon						
Pauma Band						
Pennsylvania						
Puerto Rico						
Rhode Island						
Round Valley Tribe						
South Carolina						
South Dakota						
Tennessee						
Texas						
Utah						
Vermont						
Virgin Islands						
Virginia						
Washington						
West Virginia						
Wisconsin						
Wyoming						
Total	1	1	1	1	1	2

X = The state, tribe, ter

Table D-3 Leading Sources Impairing Assessed Wetlands

Juris	Recreation and Tourism Activities (other than Boating)	Groundwater Loadings	Other	Unknown
Alabama				
Alaska				
American Samoa				
Arizona				
Arkansas				
Big Sandy Rancheria	X	X	X	X
California				
Colorado				
Connecticut				
Delaware				
District of Columbia				
Florida				
Georgia				
Guam				
Hawaii				
Hoopa Valley Tribe				
Idaho				
Illinois				X
Indiana				
Iowa				
Kansas				
Kentucky				X
La Posta Band				
Louisiana				
Maine				
Maryland				
Massachusetts				
Michigan				
Minnesota				
Mississippi				
Missouri				
Montana				
N Mariana Islands				
Nebraska				
Nevada				
New Hampshire				

Table D-3 Leading Sources Impairing Assessed Wetlands

Juris	Recreation and Tourism Activities (other than Boating)	Groundwater Loadings	Other	Unknown
New Jersey				
New Mexico				
New York				
North Carolina				
North Dakota				
Ohio				
Oklahoma				
Oregon				
Pauma Band				
Pennsylvania				
Puerto Rico				
Rhode Island				
Round Valley Tribe				
South Carolina				
South Dakota				
Tennessee				
Texas				
Utah				
Vermont				
Virgin Islands				
Virginia				
Washington				
West Virginia				
Wisconsin				
Wyoming				
Total	1	1	1	3

X = The state, tribe, ter

Table D-3 Leading Sources Impairing Assessed Wetlands

Juris	Comment
Alabama	
Alaska	
American Samoa	No data.
Arizona	
Arkansas	
Big Sandy Rancheria	
California	
Colorado	
Connecticut	
Delaware	
District of Columbia	
Florida	
Georgia	No data.
Guam	No data.
Hawaii	
Hoopa Valley Tribe	
Idaho	No data.
Illinois	
Indiana	No data.
Iowa	
Kansas	No data.
Kentucky	Entered data from ADB, converted to acres.
La Posta Band	
Louisiana	No data.
Maine	
Maryland	No data.
Massachusetts	No data.
Michigan	No data.
Minnesota	No data.
Mississippi	
Missouri	No data.
Montana	
N Mariana Islands	NH tracks overall loss of wetlands but does not assess water quality as numeric water quality standards for wetlands have not yet been developed.
Nebraska	
Nevada	
New Hampshire	

Table D-3 Leading Sources Impairing Assessed Wetlands

Juris	Comment
New Jersey	p. 21
New Mexico	No data.
New York	No data.
North Carolina	
North Dakota	
Ohio	No data.
Oklahoma	
Oregon	No data.
Pauma Band	No data.
Pennsylvania	No data.
Puerto Rico	No data.
Rhode Island	
Round Valley Tribe	No data.
South Carolina	No data.
South Dakota	No data.
Tennessee	No data.
Texas	No data.
Utah	No data.
Vermont	No data.
Virgin Islands	No data.
Virginia	No data.
Washington	
West Virginia	
Wisconsin	
Wyoming	
Total	

X = The state, tribe, ter

Table D-4 Leading Sources of Recent Wetlands Losses

Jurisdiction	Residential Development and Urban Growth	Agriculture	Road/Highway/ Bridge Construction	Hydrologic Modifications	Industrial Development	Filling and Draining	Channelization	Dredging	Silviculture
New York									
North Carolina									
North Dakota									
Ohio									
Oklahoma									
Oregon									
Pauma Band									
Pennsylvania									
Puerto Rico									
Rhode Island						X			
South Carolina									
South Dakota						X			
Tennessee									
Texas									
Utah									
Vermont		X							
Virgin Islands									
Virginia									
Washington	X					X		X	
West Virginia									
Wisconsin									
Wyoming	X	X	X						
Total	4	4	3	1	2	5	1	3	2
X = The state, tribe, territory, or commission reported that the source contributes to wetland loss									

Table D-4 Leading Sources of Recent Wetlands Losses

[illegible]

Table D-4 Leading Sources of Recent Wetlands Losses

Jurisdiction	Land Disposal	Landfills	Flooding	Mosquito Control	Peat Mining
Alabama					
Alaska					
Arizona					
Arkansas					
Big Sandy Rancheria					
California					
Colorado					
Connecticut					
Delaware					
District of Columbia					
Florida					
Georgia					
Hawaii					
Hoopa Valley Tribe					
Idaho					
Illinois					
Indiana					
Iowa					
Kansas					
Kentucky					
La Posta Band					
Louisiana					
Maine					
Maryland					
Massachusetts					
Michigan					
Minnesota	X	X		X	X
Mississippi					
Missouri					
Montana					
Nebraska					
Nevada					
New Hampshire		X			
New Jersey					
New Mexico					

Table D-4 Leading Sources of Recent Wetlands Losses

Jurisdiction	Land Disposal	Landfills	Flooding	Mosquito Control	Peat Mining
New York					
North Carolina					
North Dakota					
Ohio					
Oklahoma					
Oregon					
Pauma Band					
Pennsylvania					
Puerto Rico					
Rhode Island					
South Carolina					
South Dakota					
Tennessee					
Texas					
Utah					
Vermont					
Virgin Islands					
Virginia					
Washington					
West Virginia					
Wisconsin					
Wyoming					
Total	1	2	0	1	1
X = The state, tribe, terr					

Table D-4 Leading Sources of Recent Wetlands Losses

Jurisdiction	Comment
Alabama	No data.
Alaska	No data.
Arizona	No data.
Arkansas	No data.
Big Sandy Rancheria	
California	No data.
Colorado	No data.
Connecticut	Connecticut did not provide wetlands data.
Delaware	No data.
District of Columbia	No data.
Florida	
Georgia	
Hawaii	No data.
Hoopa Valley Tribe	No data.
Idaho	No data.
Illinois	No data.
Indiana	No data.
Iowa	No data.
Kansas	No data.
Kentucky	
La Posta Band	No data.
Louisiana	No data.
Maine	No data.
Maryland	No data.
Massachusetts	State does not have a monitoring program
Michigan	No data.
Minnesota	Entered information from 1998 report because State did not include this information in their abbreviated report and did not indicate it had changed.
Mississippi	No data.
Missouri	No data.
Montana	No data.
Nebraska	No data.
Nevada	
New Hampshire	All sources of wetland loss are regulated by State law and are small in size.
New Jersey	No data.
New Mexico	No data.

Table D-4 Leading Sources of Recent Wetlands Losses

Jurisdiction	Comment
New York	No data.
North Carolina	
North Dakota	No data.
Ohio	No data.
Oklahoma	
Oregon	No data is available to fill this table. Wetlands are included to some extent, in the summaries for rivers, lakes, and estuaries. Page 108.
Pauma Band	No data.
Pennsylvania	Report states net gain in wetland through DEP wetlands initiative
Puerto Rico	No data.
Rhode Island	State reports wetland losses due to illegal alterations (page III.G-8). Historic losses attributable to urbanization, State transportation projects, and residue
South Carolina	No data.
South Dakota	Page 137.
Tennessee	
Texas	No data.
Utah	No data.
Vermont	
Virgin Islands	No data.
Virginia	No data.
Washington	Page 5
West Virginia	No data.
Wisconsin	No data.
Wyoming	Entered data from 1998 report because State did not include it in their abbreviated report and did not indicate it had changed.
Total	
X = The state, tribe, terr	

Table D-5 Development of Wetland Water Quality Standards by States, Tribes, and Territories

	In Place						Under Development						Proposed					
Washington																		
West Virginia						X			X	X				X				
Wisconsin	X	X		X		X												
Total	8	6	2	6	1	9	3	2	2	5	6	2	2	0	0	2	3	1

Table D-5 Development of Wetland Water Quality Standards by States, Tribes, and Territories

Jurisdiction	Implementation Procedure
Alabama	Waters in wetlands are "Waters of the State"
Arkansas	Wetlands are "Waters of the State"
California	
DRBC	
District of Columbia	Wetlands are "Waters of the District of Columbia", antideg specifically applied to wetlands
Florida	Wetlands are "Waters of the State", regulated using the same standards as other waterbodies.
Georgia	
Indiana	Wetland water quality standards to be adopted by end of 2000
Iowa	Wetlands are "Waters of the State", no distinction with other waterbodies, three uses specifically applied
Kansas	Wetlands are "Waters of the State", designations for noncontact recreation, food procurement and aquatic life
Louisiana	
Maine	Wetlands are "Waters of the State", bioassessment program being developed (IBI)
Maryland	
Michigan	Wetlands are "Waters of the State", bioassessment program being developed (IBI)
Minnesota	Wetland-specific numeric criteria in place and being further developed with bioassessment program (IBI).
Mississippi	Wetlands are "Waters of the State", narrative criteria are being used with more being considered.
Nebraska	Wetland-specific standards in 1993, incl designated uses, narrative criteria, numeric toxics criteria.
Nevada	
New Mexico	Wetlands are "Waters of the State", designated for livestock watering and wildlife habitat use.
New York	Wetlands are "Waters of the U.S.", bioassessment program being developed (IBI)
North Carolina	Wetlands are "Waters of the State"; protected by State water quality laws and rules.
North Dakota	Wetlands are "Waters of the State", bioassessment program being developed (IBI)
Oregon	Wetlands are "Waters of the State"
Pennsylvania	Wetlands are "Waters of the Commonwealth", subject to all provisions of PA's water quality standards.
South Carolina	Wetlands assume standards of adjacent waterbodies; the State is considering wetland-specific standards.
South Dakota	Wetlands are "Waters of the State", designated for wildlife propagation and stock watering.
Tennessee	
Texas	
Utah	Antidegradation applies to wetlands, waters of the State.

Table D-5 Development of Wetland Water Quality Standards by States, Tribes, and Territories

Washington	Wetlandspecific program and criteria in place (IBI).
West Virginia	
Wisconsin	
Total	