US ERA ARCHIVE DOCUMENT

		Lakes, Reservoirs,	Great						Multi-class	.		Total
Jurisdiction	Rivers	Ponds	Lakes	Estuaries	Bayous	Coasta	ıl Canal	Wetland	Waters	Regional	Statewide	Advisories
Alabama	11	2			-		1			•	1	15
Alaska												0
American Samoa					1							1
Arizona	3	2										5
Arkansas	8					3				1		22
California	4				2		11			1		30
Colorado		11										11
Connecticut	5	6			1							1 13
Delaware	6				8			1				20
District of Columbia												1 1
Florida	27	52					8	1		10		98
Georgia	68				3		1		1			106
Hawaii	2				1							3
Idaho	_	1			•							1
Illinois	19		1									31
Indiana	127		1									1 198
lowa		1										1
Kansas	10											11
Kentucky	7									1		1 10
Louisiana	8				1	6	1			1		29
Maine	15				•	J	1			•		2 18
Maryland	1				2		'					4
Massachusetts	17				4		1			1		1 107
Michigan*	62			!	7		ı		1	'		1 141
Minnesota*	89								'			1 941
Mississippi	8						1				1	13
Missouri	5	3					1			1	1	1 8
Montana	3									1	1	26
Nebraska	15							2				37
Nevada	13							2				2
New Hampshire	1						4					1 6
New Jersey	14				6		1 2			1		1 49
New Mexico					О		2			1		26
New York	3 27				2		^					
				•	3		3					1 87
North Carolina	6	7			1		1	4			1	1 17
North Dakota	2	18						1				21
Ohio	53		1									1 64
Oklahoma	1											1
Oregon	6											13
Pennsylvania	28				1							33
Rhode Island	1						1	•				3
South Carolina	39						1	2		1		60
South Dakota		1										
Tennessee	7				_					1		17
Texas	4				2		1					22
Utah	1	1										2

Jurisdiction Alabama Alaska American Samoa Arizona Arkansas California Colorado	Comment coastal advisory extends statewide
Connecticut Delaware District of Columbia	coastal advisory extends statewide
Florida Georgia Hawaii Idaho Illinois Indiana Iowa Kansas Kentucky	coastal advisory extends statewide coastal advisory extends statewide
Louisiana Maine Maryland Massachusetts Michigan* Minnesota*	coastal advisory extends statewide coastal advisory extends statewide
Mississippi Missouri Montana Nebraska Nevada	coastal advisory extends statewide
New Hampshire New Jersey New Mexico	coastal advisory extends statewide coastal advisory extends statewide
New York North Carolina North Dakota Ohio Oklahoma Oregon Pennsylvania	coastal advisory extends statewide coastal advisory extends statewide
Rhode Island South Carolina South Dakota Tennessee	coastal advisory extends statewide coastal advisory extends statewide
Texas Utah	coastal advisory extends statewide

Appendix E-1. Number of Fish Consumption Advisories

Jurisdiction	Rivers	Lakes, Reservoirs, Ponds	Great Lakes	Estuaries	Bayous	Coastal	Canal	Wetland	Multi-clas Waters	s Regional	Statewide	Total Advisories
Vermont	1	g)							•	1	11
Virginia	10)										10
Washington	1	1		3	3	2	2					12
West Virginia	10	1										10
Wisconsin*	101	364	. 4	ļ							1	470
Totals	837	1,831	31	44	1 9	9 37	7	7	2	19	17	2,838

Data from the National Listing of Fish and Wildlife Advisories.

* Includes Tribal and joint State/Tribal advisories

Appendix E-1. Number of Fish Consumption Advisories

Jurisdiction Vermont Virginia Washington West Virginia Wisconsin*

Comment

Totals

Data from the National Listir
* Includes Tribal and joint St

Appendix E-2. Number of Fish Advisories Caused by Individual Pollutants (from the National Listing of Fish and Wildlife Advisories)

Jurisdiction		Mercur	PCBs	Chlorda		Other	DDT, DDE,		
Alaska American Samoa	Jurisdiction	у	(Total)	ne	Dioxins	Pesticides	DDD	Selenium	Comment
American Samoa	Alabama	7	5	2			2		
Arizona 2 3 3 3 3 4 43 2 44 8 14 8 4 1 10 10 10 10 10 10 10 10 10 10 10 10 1	Alaska								
Arkansas	American Samoa	1	1				1		
California 13 13 1 13 3 Colorado 8 3 1 1 1 Connecticut 6 6 2 0 10 3 1 District of Columbia 97 1 <	Arizona	2		3			3		
Colorado 8 3 1 Connecticut 6 6 2 Delaware 5 20 10 3 District of Columbia 77 1 1 Florida 97 1 1 Georgia 94 21 1 1 Hawaii 1 1 1 Illiano 1 1 1 Illiano 1 1 1 Illiana 148 138 1 Ilowa 1 1 1 Kansas 11 1 1 Kentucky 2 8 1 1 Kentucky 2 8 1 1 3 Louislana 24 4 2 3 3 Maryland 2 13 9 3 3 Maryland 9 21 4 1 3 3 Mississispi 10	Arkansas	20	1		1				
Connecticut 6 6 2 Delaware 5 20 10 3 District of Columbia 1 1 1 Florida 97 1 1 Georgia 94 21 1 1 Hawaii 1 1 1 Idaho 1 1 1 Ildiana 148 138 1 Indiana 148 138 1 Kansas 1 1 1 Kansas 1 1 1 Kantucky 2 8 1 1 Louisiana 24 4 2 2 Maryland 1 3 9 3 Maryland 1 3 9 3 Missouhi 1 3 3 4 Missouhi 2 3 3 2 Missouhi 2 3 3 4 <td< td=""><td>California</td><td>13</td><td>13</td><td>1</td><td></td><td></td><td>13</td><td>3</td><td>i</td></td<>	California	13	13	1			13	3	i
Delaware	Colorado	8		3				1	
District of Columbia 1 1 1 1 1 1 1 1 1	Connecticut	6	6	2					
Florida 97		5	20		10		3		
Georgia 94 21 1	District of Columbia		1						
Hawaii	Florida	97			1				
Idaho	Georgia	94	21	1			1		
Illinois	Hawaii		1						
Indiana 148	Idaho	1							
Dowa	Illinois	2	22	9					
Kansas 11 Kentucky 2 8 1 Louislana 24 4 2 Maine 2 13 9 3 Maryland 1 3 1 Massachusetts 89 21 4 1 3 Missachusetts 89 21 4 1 3 Missosotri 74 109 15 12 3 Mississispipi 10 4 2 2 Mississispipi 10 4 2 2 Missouri 2 3 3 3 Montana 25 5 5 8 8 4 New Adada 2 8 1 <	Indiana	148	138						
Kentucky 2 8 1 Louisiana 24 4 2 Maine 2 13 9 3 Maryland 1 3 9 3 Massachusetts 89 21 4 1 3 Michigan* 74 109 15 12 3 Minnesota* 937 84 4 8 Mississippi 10 4 2 4 Missouri 2 3 3 3 Montana 25 5 5 8 4 Nebraska 17 20 1 1 1 New Jersey 30 13 6 9 9 4 4 1 1 1 1 1 1	Iowa		1	1					
Louisiana	Kansas			11					
Maine 2 13 9 3 Maryland 1 3 3 Massachusetts 89 21 4 1 3 Michigan* 74 109 15 12 3 Minnesota* 937 84 4 4 2 Mississippi 10 4 2 2 Missouri 2 3 3 3 Montana 25 5 5 5 Nebraska 17 20 2 12 New Hampshire 7 1 1 1 1 New Jersey 30 13 6 9 9 9 1 <td< td=""><td>Kentucky</td><td>2</td><td>8</td><td>1</td><td></td><td></td><td></td><td></td><td></td></td<>	Kentucky	2	8	1					
Maryland 1 3 Massachusetts 89 21 4 1 3 Michigan* 74 109 15 12 3 Minnesota* 937 84 2 3 Missouri 2 3 3 2 Missouri 2 3 3 3 Montana 25 5 5 5 8 8 4 8 4 8 4 8 4 8 4 9 1 <td< td=""><td>Louisiana</td><td>24</td><td>4</td><td></td><td>2</td><td></td><td></td><td></td><td></td></td<>	Louisiana	24	4		2				
Massachusetts 89 21 4 1 3 Michigan* 74 109 15 12 3 Misnesota* 937 84 2 Mississippi 10 4 2 2 Missouri 2 3 3 3 Montana 25 5 5 86 89 Nebraska 17 20 20 10 New Hampshire 7 1 1 1 New Jersey 30 13 6 9 New Mexico 26 2 4 1 New York 23 48 14 8 4 North Carolina 12 4 1 1 North Dakota 21 1 1 1 Oklahoma 1 2 1 1 1 Oregon 12 2 1 1 1 Pennsylvania 2 28 6 2 Puerto Rico 2 1 1 2 South Carolina 57 2 2 1 3 3 South Carolina 1 1 6 3 Utah </td <td>Maine</td> <td>2</td> <td>13</td> <td></td> <td>9</td> <td></td> <td>3</td> <td></td> <td></td>	Maine	2	13		9		3		
Michigan* 74 109 15 12 3 Minnesota* 937 84 Mississippi 10 4	Maryland		1	3					
Minnesota* 937 84 Mississippi 10 4 Missouri 2 3 3 3 Montana 25 5 Nebraska 17 20 Nevada 2 New Hampshire 7 1 1 1 New Jersey 30 13 6 9 New Mexico 26 New York 23 48 14 8 4 North Carolina 12 4 1 North Dakota 21 Ohio 34 43 2 Oklahoma 12 2 1 1 1 Oregon 12 2 1 1 1 Pennsylvania 2 28 6 Puerto Rico Rhode Island 2 2 1 1 6 1 Texas 9 7 6 1 6 1 Texas 9 7 6 1 6 3 Utah 2 Vermont 9 2 Virginia 3 6 Virginia Slands Washington 1 3 3 3 3 West Virginia Wisconsin* 423 56 2 Wyoming	Massachusetts	89	21	4	1		3		
Minnesota* 937 84 Mississippi 10 4 Missouri 2 3 3 3 Montana 25 5 Nebraska 17 20 Nevada 2 New Hampshire 7 1 1 1 New Jersey 30 13 6 9 New Mexico 26 New York 23 48 14 8 4 North Carolina 12 4 1 North Dakota 21 Ohio 34 43 2 Oklahoma 12 2 1 1 1 Oregon 12 2 1 1 1 Pennsylvania 2 28 6 Puerto Rico Rhode Island 2 2 1 1 6 1 Texas 9 7 6 1 6 1 Texas 9 7 6 1 6 3 Utah 2 Vermont 9 2 Virginia 3 6 Virginia Slands Washington 1 3 3 3 3 West Virginia Wisconsin* 423 56 2 Wyoming	Michigan*	74	109	15	12		3		
Missouri 2 3 3 3		937	84						
Missouri 2 3 3 3		10	4				2		
Montana 25 5 5 Nebraska 17 20 Nevada 2 New Hampshire 7 1 1 1 1 New Jersey 30 13 6 9 New Mexico 26 New Hork 23 48 14 8 4 1 North Carolina 12 4 1 North Dakota 21 Ohio 34 43 2 Ohio 34 43 2 Ohio 34 43 2 New Hork Rico Rhode Island 2 28 6 Puerto Rico Rhode Island 2 2 2 1 1 1 1 Pennsylvania 2 28 6 Puerto Rico Rhode Island 2 1 Tennessee 2 11 6 1 Texas 9 7 6 1 6 3 Utah 2 Vermont 9 2 Virginia 3 6 Virgin Islands Washington 1 3 3 3 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming			3	3					
Nevada 2 New Hampshire 7 1 1 1 New Jersey 30 13 6 9 New Mexico 26 New York 23 48 14 8 4 North Carolina 12 4 1 North Dakota 21 Ohio 34 43 2 Oklahoma 12 2 1 1 1 Oregon 12 2 1 1 1 Pennsylvania 2 28 6 Puerto Rico Rhode Island 2 2 2 1 South Carolina 57 2 South Dakota 1 Tennessee 2 11 6 1 Tensesee 2 11 6 1 Texas 9 7 6 1 6 3 Utah 2 2 Vermont 9 2 Virginia 3 6 Virgin Islands Washington 1 3 3 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming	Montana	25	5						
New Hampshire 7 1 1 New Jersey 30 13 6 9 New Mexico 26 8 14 8 4 North Carolina 12 4 4 1 North Dakota 21 0 1 1 Ohio 34 43 2 0 1 Oklahoma 12 2 1 1 1 Oregon 12 2 1 1 1 1 Pennsylvania 2 28 6 6 8 1 <td>Nebraska</td> <td>17</td> <td>20</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Nebraska	17	20						
New Hampshire 7 1 1 New Jersey 30 13 6 9 New Mexico 26 8 14 8 4 North Carolina 12 4 4 1 North Dakota 21 0 1 1 Ohio 34 43 2 0 1 Oklahoma 1 1 1 1 Oregon 12 2 1 1 1 Pennsylvania 2 28 6 6 8 Puerto Rico Rhode Island 2 2 1 1 1 1 1 1 1 1 1 1 2 1 1 1 3 3 1 1 1 1 3 1 4 1 2 1 1 1 1 <td< td=""><td>Nevada</td><td>2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	Nevada	2							
New Mexico 26 New York 23 48 14 8 4 North Carolina 12 4 1 North Dakota 21 1 1 Ohio 34 43 2 Oklahoma 1 1 1 Oregon 12 2 1 1 Pennsylvania 2 28 6 6 2 Puerto Rico Rhode Island 2 2 1 3 3 3 South Carolina 57 2 2 5 5 2 5 3 3 3 3 3 3 3 3 4 3 4 3 4 3 4 <td< td=""><td>New Hampshire</td><td>7</td><td>1</td><td></td><td>1</td><td></td><td></td><td></td><td></td></td<>	New Hampshire	7	1		1				
New York 23 48 14 8 4 North Carolina 12 4 1 North Dakota 21 0 1 Ohio 34 43 2 Oklahoma 1 1 Oregon 12 2 1 Pennsylvania 2 28 6 Puerto Rico 8 1 Rhode Island 2 2 1 South Carolina 57 2 South Dakota 1 1 1 Tennessee 2 11 6 1 Texas 9 7 6 1 6 3 Utah 2 2 2 1 6 3 3 Virginia 3 6 3 3 3 3 3 Wisconsin* 423 56 2 2 2 3 3 3 3 3 3 4 3 4 3 4 3 4 3 4 3 4<	New Jersey	30	13	6	9				
North Carolina 12 4 1 North Dakota 21 Ohio 34 43 2 Oklahoma 1 1 Oregon 12 2 1 1 1 Pennsylvania 2 28 6 Puerto Rico Rhode Island 2 2 1 1 South Carolina 57 2 South Dakota 1 Tennessee 2 11 6 1 Texas 9 7 6 1 6 1 Texas 9 7 6 1 6 3 Utah 2 Vermont 9 2 Virginia 3 6 Virgin Islands Washington 1 3 3 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming	New Mexico	26							
North Dakota 21 Ohio 34 43 2 Oklahoma 1 Oregon 12 2 1 Pennsylvania 2 28 6 Puerto Rico Rhode Island 2 2 1 South Carolina 57 2 South Dakota 1 Tennessee 2 11 6 1 Texas 9 7 6 1 6 1 Texas 9 7 6 1 6 3 Utah 2 Vermont 9 2 Virginia 3 6 Virgin Islands Washington 1 3 3 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming	New York	23	48	14	8		4		
Ohio 34 43 2 Oklahoma 1 1 Oregon 12 2 1 1 Pennsylvania 2 28 6 8 8 9 9 1 1 1 9 9 9 1	North Carolina	12			4			1	
Oklahoma 1 Oregon 12 2 1 1 Pennsylvania 2 28 6 8 8 Puerto Rico Rhode Island 2 2 1 1 1 1 1 1 1 2 2 1 1 1 2 2 1 1 1 2 1 1 3 4 3 4 3 4 4 3 4 4 3 4 4 4 3 4	North Dakota	21							
Oregon 12 2 1 1 Pennsylvania 2 28 6 Puerto Rico Rhode Island 2 2 1 South Carolina 57 2 2 South Dakota 1 1 1 Tennessee 2 11 6 1 Texas 9 7 6 1 6 3 Utah 2 2 2 1 4 2 2 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 4 4 3 56 2 2 4 4 3 56 2 4 4 4 3 56 2 4 <	Ohio	34	43	2					
Pennsylvania 2 28 6 Puerto Rico Rhode Island 2 2 1 1 South Carolina 57 2 South Dakota 1 Tennessee 2 11 6 1 Texas 9 7 6 1 6 3 Utah 2 Vermont 9 2 Virginia 3 6 Virgin Islands Washington 1 3 3 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming	Oklahoma						1		
Pennsylvania 2 28 6 Puerto Rico Rhode Island 2 2 1 1 South Carolina 57 2 South Dakota 1 Tennessee 2 11 6 1 Texas 9 7 6 1 6 3 Utah 2 Vermont 9 2 Virginia 3 6 Virgin Islands Washington 1 3 3 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming	Oregon	12	2		1				
Puerto Rico Rhode Island 2 2 1 South Carolina 57 2 South Dakota 1 Tennessee 2 11 6 1 Texas 9 7 6 1 6 3 Utah 2 Vermont 9 2 Virginia 3 6 Virgin Islands Washington 1 3 3 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming	Pennsylvania	2	28	6					
South Carolina 57 2 South Dakota 1 Tennessee 2 11 6 1 Texas 9 7 6 1 6 3 Utah 2 2 2 2 2 2 2 2 2 2 2 3 4 3 4 3 3 3 3 3 3 3 3 4 4 4 3 1 8 8 8 4 4 3 56 2 2 4 4 4 3 6 2 4 4 4 3 6 2 4 4 4 3 6 4									
South Dakota 1 Tennessee 2 11 6 1 Texas 9 7 6 1 6 3 Utah 2 Vermont 9 2 Virginia 3 6 Virgin Islands Washington 1 3 3 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming	Rhode Island	2	2		1				
Tennessee 2 11 6 1 Texas 9 7 6 1 6 2 Utah 2 Vermont 9 2 Virginia 3 6 Virgin Islands Washington 1 3 3 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming	South Carolina	57	2						
Texas 9 7 6 1 6 3 Utah 2 Vermont 9 2 Virginia 3 6 Virgin Islands Washington 1 3 3 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming		1							
Utah 2 Vermont 9 2 Virginia 3 6 Virgin Islands 8 Washington 1 3 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming	Tennessee	2	11	6	1				
Vermont 9 2 Virginia 3 6 Virgin Islands 3 3 Washington 1 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming 3 4 4	Texas	9	7	6	1		6	3	
Virginia 3 6 Virgin Islands 3 3 Washington 1 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming 423 423 423	Utah							2	
Virginia 3 6 Virgin Islands 3 3 Washington 1 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming 423 423 423	Vermont	9	2						
Virgin Islands Washington 1 3 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming	Virginia	3	6						
Washington 1 3 3 3 West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming 2 3 3									
West Virginia 3 1 8 Wisconsin* 423 56 2 Wyoming 2		1	3		3		3		
Wisconsin* 423 56 2 Wyoming			3	1	8				
Wyoming		423	56		2				
	Wyoming								
		_	_						
Total 2,262 729 100 75 0 49 10	Total	2,262	729	100	75	0	49	10	

Data from the National Listing of Fish and Wildlife Advisories.

Appendix E-2. Number of Fish Advisories Caused by Individual Pollutants (from the National Listing of Fish and Wildlife Advisories)

DDT, DDE, Mercur PCBs Chlorda Other

Jurisdiction y (Total) ne * Includes Tribal and joint State/Tribal advisories Dioxins Pesticides DDD Selenium Comment

Appendix E-3. Shellfish Harvesting Restrictions due to Pathogens Reported by States, Territories, and Commissions

	Number of Waterbodie s with	d (sq.	Conditional ly Approved ^a		Prohibite d° (sq.	manageme nt Closures ^d	ι οται Area Affected ^e
Jurisdiction Alabama Alaska American Samoa California Connecticut Delaware District of Columbia Florida Georgia Guam	Restriction	miles)	(sq. miles)	miles)	miles)	(sq. miles)	(sq.
Hawaii							
Louisiana Maine	26						
Maryland Massachusetts Mississippi	36	1,672 2,254	58	108 41	0 224		1,838 2,720
N. Mariana Islands New Hampshire New Jersey	11	7 808	1	2 115	130		21 1,053
New York North Carolina	0	1,563	47		313		1,875
Oregon Puerto Rico	8	16	17				32
Rhode Island South Carolina Texas	19	96 613	22 8	151	10 119		128 891 346
Virgin Islands Virginia Washington		342	47	3	148 104		151 492
Total	100	7,371	151	420	1,059	548	9,549

^e Conditionally approved waters do not always meet criteria for harvesting shellfish, but may be harvested when ci ^e Restricted water may be harvested if the shellfish are purified with clean water following harvest.

Shellfish may not be harvested in prohibited waters.

[&]quot; Preventative closures due to a lack of data or proximity to point sources or marinas.

Includes waters that are classified as conditionally approved, restricted, prohibited, and management closures.

Appendix E-3. Shellfish Harvesting Restrictions due to Pathogens Reported by States, Territories, and Commissions

Jurisdiction
Alabama
,
Alaska
American Samoa
California
Connecticut
Delaware
District of Columbia
Florida
Georgia
Guam
Hawaii
Louisiana
Maine
Maryland
Massachusetts
Mississippi
N. Mariana Islands
New Hampshire
New Jersev
New York
North Carolina
Oregon
Puerto Rico
Rhode Island
South Carolina
Texas

Comment

Data reported for closures and reopenings (page V-9)

No data.

No data.

page 20: "In 2000, approximately 257 square miles of assessed waters did not meet direct harvest or relay conditions appropriate for use designations." The number of restrictions w

No data. No data.

No data.

Maine reports shellfish openings and closures but does not report the size of the area.

Acres were converted to square miles. Maryland routinely monitors sanitary quality of shellfish and tidal waters including sampling and sanitary surveys (page 103). Fecal coliform be

Data from separate assessment in Table 5.4 (acres converted to square miles). Various category classified as restricted.

No data. State reports shellfish growing areas in a map format.

The 54 miles of open ocean water under NH jurisdiction also are closed for shellfishing because a sanitary survey has not been recently conducted in accordance with NSSP guidelin These values include both estuary/bay and ocean waters. Special restricted area include partially supporting waters.

Converted acres to square miles (see page 118).

No advisories listed

Conditionally approved areas are listed as having some areas that are restricted. 35.44 square miles are listed as "Conditionally Approved, Restricted, and Prohibited." Page 121

No data.

These data were provided by the State under separate cover. Values reported in acres converted to square miles.

State references maps depicting restricted area but does not probivide summary data.

Shellfishing is also prohibited in Elizabeth and Layayette Rivers and Little Creek (page 2.5-4).

Total

Virgin Islands Virginia

Washington

- " Conditionally approved water
- "Restricted water may be ha
- Shellfish may not be harves
- " Preventative closures due to
- "Includes waters that are cla

Jurisdiction Alabama Alaska American Samoa California Connecticut Delaware District of Columbia Florida Georgia Guam Hawaii Louisiana Maine

cator for pathogenic organisms.

Maryland
Maryland
Massachusetts
Mississippi
N. Mariana Islands
New Hampshire
New Jersey New Jersey New York North Carolina Oregon Puerto Rico Rhode Island South Carolina Texas Virgin Islands Virginia Washington

Total

- " Conditionally approved water
- Restricted water may be ha Shellfish may not be harves Preventative closures due to
- "Includes waters that are cla

Appendix E-4. Sources Associated with Shellfish Harvesting Restrictions due to Pathogens

	Urban Runoff/Storm Sewe	rs Municipa	l Discharges	NPS (Ge	neral)	Point Sources (Ge	eneral) Ir	ndustrial Di	scharge
	Number of	Restrictio	n	Restriction	Sq.	Restriction	R	Restriction	Sq.
Jurisdiction Alabama Alaska American Samoa California	Restrictions Sq. Miles	s	Sq. Miles		Miles		Miles s		Miles
Connecticut									
Delaware District of Columbia									
Florida Georgia Guam Hawaii Louisiana Maine Maryland Massachusetts	2.0 6	.4 16	S.O 48.7	32.0) 87.2			4.0	9.
Mississippi N. Mariana Islands New Hampshire New Jersey New Mexico New York North Carolina				11.0) 14.1			0.0	
Dregon Puerto Rico Rhode Island South Carolina Texas Virgin Islands Virginia Washington	1.0	6	5.0					6.0	
Total	3.0 6	.4 22	2.0 48.7	43.0) 101.2	0.0	0.0	10.0	9

Appendix E-4. Sources Associated with Shellfish Harvesting Restrictions due to Pathogens

	CSOs	;	Septic	Tanks	Marin	as
	Number of	Sq.	Restriction		Restriction	
Jurisdiction Alabama Alaska American Samoa California	Restrictions			Sq. Miles		Sq. Miles
Connecticut						
Delaware District of Columbia						
Florida Georgia Guam Hawaii Louisiana Maine Maryland Massachusetts Mississippi N. Mariana Islands New Hampshire New Jersey New Mexico New York North Carolina Oregon Puerto Rico	1.0	8.4	2.0 6.0		8.0	27.1
Rhode Island South Carolina Texas Virgin Islands Virginia Washington						
Total	1.0	8.4	8.0	6.4	14.0	27.1

Appendix E-4. Sources Associated with Shellfish Harvesting Restrictions due to Pathogens

	Comment
urisdiction	
labama	No data.
laska	No data.
American Samoa	No data.
California	No data.
onnecticut	While marinas, stormwater runoff, and waterfowl were cited as causes, no specifics were listed on page 20.
Delaware District of Columbia	No data. No data.
Florida Georgia Guam Hawaii Louisiana Maine Maryland Massachusetts Mississippi U. Mariana Islands	No data. No data. Maine reports industrial and municipal dischargers as the major sources associated with impairment of estuarine waters. Multiple causes are reported for the restrictions on 36 waterbodies. State also reports poor flushing as a partial cause for 10 restrictions affecting 29.11 square milk No data. No data. State reports NPS, urban runoff, and unsewered communitites as causes of restrictions.
ew Hampshire ew Jersey ew Mexico ew York	The 14.06 square miles include 0.61 square miles that classified "conditionally approved" which are open during dry weather but closed after certain rain events. State reports sources in detailed survey in Table A.7.2.3-1 (draft version). State needs to tabulate final version in report format. No data. No data.
lew fork Iorth Carolina	No data. No restrictions listed
regon	multiple causes are listed for each restriction. They include agriculture, wildlife, municipal, marina, septic, and industrial. P. 121.
uerto Rico	No data.
hode Island	No data.
outh Carolina	No data.
exas	No data.
irgin Islands	No data.
/irginia	State provides qualitative description of sources, including point source discharges and elevated fecal coliform bacteria levels (page 2.5-4).
Washington	State cites general sources of bateria incuding stormwater, sewage treatement plants, and septic tanks.

Appendix E-6. Contact Recreation Restrictions Reported by States, Tribes, Territories, and Commissions

Jurisdiction	Contact Recreati on Restricti ons	Numb er of Sites Affect ed	Reasons for Restriction	Comment
Alabama	35	20	Fecal coliform	
Alaska				No data.
American Samoa				TTO data.
Arizona		5	Bacteria and sediment	State reports closures rather than restrictions
		3	bacteria and sediment	
Arkansas				No data.
Big Sandy Rancheria California	91		Sewer lines, urban runoff, wildlife, rain, unknown.	State has no contact recreations restrictions on rivers at this time.
Colorado			included fleavy fail, debtis in water, elevated levels of bacteria (most common	No data on lakes. Beach closures for 1998 and
Connecticut	175	73	cause), gasoline spill, floating	
Delaware				No data.
District of Columbia				No data.
Florida				
Georgia	1	1	Fecal coliform	Uncertain from text if outdated
Guam				
Hawaii				No data.
Hoopa Valley Tribe				No data.
ldaho	4	4	Algae bloom, fecal coliform (from cattle and sewage spill), pathogens, swimmers itch.	
Illinois				No data.
Indiana				No data.

Appendix E-6. Contact Recreation Restrictions Reported by States, Tribes, Territories, and Commissions

	Contact	Numb		
	Recreati	er of Sites		
	on Restricti	Affect		
Jurisdiction	ons	ed	Reasons for Restriction	Comment
		-		
Iowa				No data.
Kansas				No data.
Kentucky				
La Posta Band	_		Organic contamination, sediment contamination, fecal	No data.
Louisiana	7		coliform.	
Maine	1	1	cso	State also reports 2 warnings posted for 1 site and 4 for another.
Maryland	12	12	runoff (including agriculture),	Entered restrictions for 1998-1999 only. Bathing advisories from local health departments are not identified as restrictions or closures.
Massachusetts				No data. State does not compile monitoring data on beach closures. No quantitative data. Several beaches on two Great Lakes periodically closed due to elevated bacteria counts in 1998 and 1999
Michigan				(page 8).
Minnesota				No data.
	_	_	State reports one lake closed voluntarily due to cluster of	State reports data from 1992-1997
Mississippi	0	0	shigellois cases.	period.
Missouri				No data.
Montana				No data.
N. Mariana Islands				

Appendix E-6. Contact Recreation Restrictions Reported by States, Tribes, Territories, and Commissions

Jurisdiction	Contact Recreati on Restricti ons	Numb er of Sites Affect ed	Reasons for Restriction	Comment
Nebraska				No data.
Nevada				No data.
New Hampshire	17	13	Bacteria from heavy swim loads or stormwater runoff. Fecal coliform exceedances	8 beaches in 1998 and 9 in 1999 were posted. 3 beaches were closed temporarily in 1998 and 4 in 1999. 14 closures of ocean beaches and 21 closures of bay beaches in 1999 (page 1); 39 (3 ocean
New Janeau	35		and suspected pollution events	beaches and 36 bay beaches) in
New Jersey	33		events	1998 (appendix A-5.2.2). No data on restrictions. State reports 0 closures and 20 cases of giardiasis due to infected surface waters.
New York				No data.
North Carolina				No data.
North Dakota	0			
Ohio	5	5	Bacterial contamination	No data on number of restrictions and sites although report includes the number of months certain cites experienced fecal coliform and ecoli violations during the contact
Ohio River Valley				recreation season.
Oklahoma				
Oregon	0	0		
Pennsylvania				No data.
Puerto Rico				No data.

Appendix E-6. Contact Recreation Restrictions Reported by States, Tribes, Territories, and Commissions

Jurisdiction	Contact Recreati on Restricti ons	Numb er of Sites Affect ed	Reasons for Restriction Most closures in 1998 and 1999 due to fecal coliform bacterial levels (Tables 3H-8	Comment
Rhode Island	24	14	and 3H-9). Exceeded acceptable tecal	
South Carolina	29	25	coliform levels.	Data from 1998 and 1999
South Dakota	84	53	Fecal coliform levels	closures.
Susquehanna River Bas	sin			No data.
Tennessee Texas Utah				State reports waterbodies that do not support designated use for contact recreation but does not specify whether restriction were issued. No data.
Vermont	18	7	Bacteria from urban runoff, septic systems, and unknown sources.	
Virgin Islands				No data; qualitative description on page 92.
Virginia				No data.
Washington				No data.
West Virginia Wisconsin Wyoming	0			Restrictions data apply to 11 basins covered by the report. No data. No data.

Appendix E-6. Contact Recreation Restrictions Reported by States, Tribes, Territories, and Commissions

	Recreati on Restricti	Numb er of Sites Affect ed	Comment
TOTALS	538	233	

Appendix E-10. Sediment Contamination Reported by States, Tribes, Territories, and Commissions

			I				
Jurisdiction	Number of Sites Assessed	Number of Sites with Toxics	Number of Sites of Concern	Contaminants Detected	Contaminants of Concern	Sources of Contaminants	Comment
Alabama							No data.
Alaska							No data.
American Samoa							
Arizona							No data.
Arkansas							No data.
Big Sandy Rancheri	a						
California							No data.
							State adopted guidance to use for sediment
Colorado							assessments.
Connecticut							No data.
Delaware							No data.
District of Columbia							No data.
Florida							
Georgia							
Guam							
Hawaii							No data.
Hoopa Valley Tribe							No data.
Idaho							No data.
Illinois							No data.
Indiana							No data.
Iowa							No data.

Appendix E-10. Sediment Contamination Reported by States, Tribes, Territories, and Commissions

Jurisdiction	Number of Sites Assessed	Number of Sites with Toxics	Number of Sites of Concern	Contaminants Detected	Contaminants of Concern	Sources of Contaminants	Comment
Kansas							No data.
Kentucky							
La Posta Band							No data.
Louisiana		1		PCBs			
Maine Maryland		25	25	Lead, copper, PCBs, cadmium, organics, and chlorinated solvents		salvage, plating, landfill, superfund site, recycling, textile mill, pulp mill, and unknown sources for lead.	Sites sampled from 1977 through 1994, No data.
Massachusetts			24		metals and priority organics (PAH, PCB, dioxin)		No data. State does not have numerical criteria No specific data but State reports evaluations or feasiblily studies underway for Deer, Torch, White, and Muskegon Lakes (page 16).
Michigan			4				Monitoring to evaluate PCB removal from Newburgh
Minnesota							No data.
Mississippi Missouri		16		Priority organics, nonpriority organics, metals, unknown toxicity		Industrial and municipal point sources, urban runoff/storm sewers, marinas, land disposal, hazardous waste.	Data from 1998 report. No data.
Montana							No data.

Appendix E-10. Sediment Contamination Reported by States, Tribes, Territories, and Commissions

					T .		
Jurisdiction	Number of Sites Assessed	Number of Sites with Toxics	Number of Sites of Concern	Contaminants Detected	Contaminants of Concern	Sources of Contaminants	Comment
N. Mariana Islands							
Nebraska							No data.
Nevada							No data.
New Hampshire							No data. NH does not currently have numeric water quality criteria for sediments.
New Jersey							No data.
New Mexico							No data.
New York North Carolina					PCBs, pesticides, and heavy metals		Contaminated sediment is the primary caluse of impairment in about 550 river miles, 151,600 lake acres, 130 square miles of esturaries, and 370 miles of Great Lakes shoreline (page
						Runnoff from abandoned landfill and pesticides	
North Dakota			1		Pesticides	formulation plant	

Appendix E-10. Sediment Contamination Reported by States, Tribes, Territories, and Commissions

Jurisdiction	Number of Sites Assessed	Number of Sites with Toxics	Number of Sites of Concern	Contaminants Detected	Contaminants of Concern	Sources of Contaminants	Comment
Ohio Ohio River Valley					Heavy metal and organic contaminants.		contaminants are a major source of impairment in 36 miles of rivers and streams and a moderal influence in 97 miles. Waterbodies with elevated metals in bottom sediments listed in appendix H. No data.
Oklahoma Oregon		11	11	metals, PCBs, PAHs, petroleum, pesticides, dioxins/furans, tributyl tin,	metals, PCBs, PAHs, petroleum, pesticides, dioxins/furans, tributyl tin,	industrial facilities, railroad, manufactured gas plant, construction site, marinas, shipyards, sawmills	Data presented for 6 rivers, 1 creek, 1 slough, and 3 intertidal/estuary zones
Pennsylvania							No data.
Puerto Rico							No data.
Rhode Island South Carolina			25		VOCs, chlorinated solvents, hydrocarbons, metals, pesticides, PCBs, and other hazardous materials		These are site remediation projects. No data.
South Dakota							No data.
Susquehanna River	Basin						No data.
Tennessee							

Appendix E-10. Sediment Contamination Reported by States, Tribes, Territories, and Commissions

Jurisdiction	Number of Sites Assessed	Number of Sites with Toxics	Number of Sites of Concern	Contaminants Detected	Contaminants of Concern	Sources of Contaminants	Comment
Texas Utah Vermont Virgin Islands Virginia Washington West Virginia Wisconsin Wyoming	56	1	36	Research continuing.	Metals Research continuing. PCBs, PAHs, metals	Research continuing.	State reports 21 streams and rivers, 6 estuaries, 9 reservoirs of concern (pages 11, 12, 15) No data. Data supplied by State. No data. No data. No data. State also reports status of sediment contaimination at 15 additional sites (mainly Superfund) where remediation is pending or an investigation is ongoing. No data.
Totals	57	54	127				