

2008 MICHIGAN FAMILY FISH CONSUMPTION GUIDE

Important facts to know if you eat Michigan fish



MDCH Division of Environmental Health• 1-800-648-6942
Visit us on the web at www.michigan.gov/mdch-toxic, click on Michigan Fish Advisory

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Contact the Michigan Department of Community Health 1-800-648-6942

or

www.michigan.gov/mdch-toxic, then click on Michigan Fish Advisory



Project F.I.S.H

Project F.I.S.H. is a Michigan youth sportfishing education program. It is designed to involve children in long-term, mentor-based, community-supported, sportfishing and aquatic resource education.

Call 517-432-2700 for more information, or visit: www.projectfish.org





HEALTH BENEFITS OF EATING FISH

ish are a great low-fat source of protein, vitamins and minerals. The omega-3 oils found in fish are important for the healthy brain development of babies during pregnancy, breast-fed babies and children. Eating fish can also reduce the risk of heart disease in adults. The American Heart Association recommends that adults eat fish two times a week.

Health Risks of Eating Fish

MDCH advises women of childbearing age and children under 15 years old to be extra careful before eating certain types of fish in Michigan.

Many chemicals end up in lakes, rivers, oceans and in some of the fish we eat. Eating polluted fish won't make you sick right away. But the chemicals found in fish can build up in your body and make you very sick later on. Some of these chemicals can harm your immune system,

reproductive system, brain functions, or increase your risk of cancer. Children and babies that get too much of these chemicals may develop physical, mental or behavioral problems that they would not have had otherwise.





Get the Benefits and Avoid the Risks

Use Michigan's Fish Consumption Guides:

he Michigan Department of Community Health wants you to know that there are many types of fish that make good food choices. But you should be cautious about eating some other types of fish too often. Use the information found in Michigan's fish eating guides to find fish that are good for you and your family.

- Michigan Family Fish Consumption Guide: This is the booklet you are reading. It has information for men, women and children about eating different kinds of fish from Michigan's lakes and rivers.
- A Family Guide to Eating Fish: This brochure has information about eating fish for families.
- Avoid Mercury in Fish and Seafood Shopping and Restaurant Guide: This brochure lists the types of fish that you can buy that have been tested for mercury contamination.

These guides are available at http://www.michigan.gov/mdch-toxic.

5 SIMPLE TIPS FOR EATING SAFE FISH



1. Trimming and Cooking

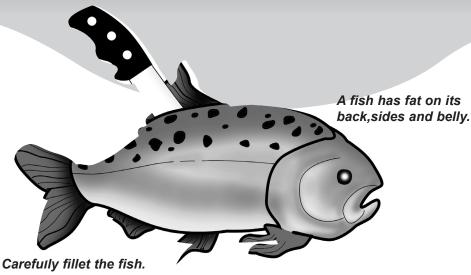
- Cut off all the fat (see page 4 for directions).
- Remove or poke holes in the fish's skin before cooking. This will help the fat and chemicals drain off the fish.
- Bake, broil or grill the fish on a rack. Throw away the drippings.
- Do not eat the guts, head, skin, bones or dark fatty areas.
- Do not re-use the oil that was used to deep or pan fry fish.
- 2. Eat fish from different places such as the grocery store, restaurants, rivers and lakes.
- 3. Eat smaller, younger fish. Bigger and older fish have had more time to collect more chemicals in their bodies.
- 4. Don't eat fatty fish like carp and catfish from polluted waters. Most chemicals (except for mercury) collect in the fat. Buy catfish from your grocery store instead.
- Mercury stays in the filet of the fish and cannot be cut or cooked away. Use the MDCH guides to choose fish that are low in mercury.

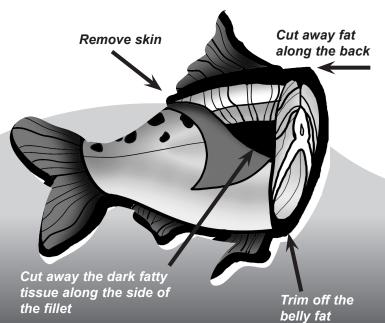




COOKING AND CLEANING FISH

Important reminders.





Mercury Advisory

Statewide Mercury Fish Consumption Advisory For All Inland Lakes, Reservoirs and Impoundments

Follow this Statewide Mercury Advisory for the lakes, reservoirs and impoundments that are not listed in this booklet. Note: the Statewide Mercury Advisory does not apply to the Great Lakes or rivers in Michigan.

- No one should eat more than one meal a week of rock bass, yellow perch or crappie over 9 inches in length from inland lakes, reservoirs or impoundments in Michigan.
- No one should eat more than one meal a week of largemouth bass, smallmouth bass, walleye, northern pike or muskellunge of any size from inland lakes, reservoirs or impoundments in Michigan.
- Women who are pregnant or may become pregnant in the future and children under 15 years old should not eat more than one meal per month of rock bass, yellow perch or crappie over 9 inches in length from inland lakes, reservoirs or impoundments in Michigan.
- Women who are pregnant or may become pregnant in the future and children under 15 years of age should not eat more than one meal per month of largemouth bass, smallmouth bass, walleye, northern pike or muskellunge of any size from inland lakes, reservoirs or impoundments in Michigan.

Nationwide Mercury Fish Consumption Advisory for Store Purchased Fish

Read the "Avoid Mercury in Fish and Seafood Shopping and Restaurant Guide" This guide has advice for you about eating restaurant and store-bought fish.



5 STEPS TO USING THIS GUIDE

The Michigan Family Fish Consumption Guide has advice about eating fish from different water bodies, of different species and of different lengths. The information is found on pages 8-57.

Step One:

Find the Great Lakes watershed that your lake or river is closest to. The watershed is listed at the top of the page. If you are not sure which watershed is the right one, check the two Great Lakes that are closest to where you are fishing.

•	Erie	page 8
•	Huron	page 20
•	Michigan	page 30
•	Superior	nage 52

Step Two:

Find the name of your lake or river in the first column.

Step Three:

Find the type of fish that you are fishing for in the second column.

Why doesn't the fish consumption guide list every lake, river and reservoir?

Some water bodies may not be listed because:

- 1. Fish from the water body have never been tested for chemical contaminants. Michigan has more than 11,000 lakes and 36,000 miles of rivers and streams in addition to the Great Lakes. Waters are more likely to be selected for fish contaminant testing if the water body has known contaminant problems, high recreational use or may provide useful environmental information.
- 2. Fish from the water body have been tested but are covered by Statewide Mercury Fish Consumption Advisory for Inland Lakes, Reservoirs and Impoundments.

Step Four:

Find the column that matches the person(s) who will eat the fish.

- General Population means: Adult men. Boys 15 years or older.
 Women beyond childbearing age.
- Women & Children means: Women ages 15 and older who are pregnant or may become pregnant in the future. Children under the age of 15 years old.

Step Five:

Find the length of your fish. The symbol on the table matches the the advice about eating the fish. This is what the symbols mean:

- ▲ Unlimited consumption.
- One meal per week.
- One meal per month.
- Six meals per year.
- Do not eat these fish.

Follow the Statewide Mercury Fish Consumption Advisory found on page 5 for inland lakes, reservoirs, and impoundments not listed on pages 8-57.

For More Information

For more information on the Fish Consumption Advisory, visit our website at www.michigan.gov/mdch-toxic or call 1-800-648-6942.





Unlimited consumption	n. V One me	al per week.			Gen	era	l Po	pula	atio	1				Woı	nen	& (Chile	drer	1	
One meal per month.		ls per year.			Le	ngt	h (ir	nche	es)					Le	ngt	h (iı	nch	es)		
		eat these fish.	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body	Species	Contaminant(s)		κò	9	12	4	18	22	26	ñ	9	ώ	10	12	4	18	22	26	9
Lake Erie Watershed	All other locations refer to g	eneral advice on page 5.																		
Lake Erie # (Includes North Maumee Bay)	Carp	Mercury, PCBs, Dioxins	*	•	•	•	•	*	•	•	•	*	•	*	•	•	•	*	•	•
	Catfish	PCBs, Dioxins	♦	•	•	•	•	•	•	•	♦	•	•	•	♦	•	•	•	•	•
	Chinook Salmon	PCBs	Г																	
	Coho Salmon	PCBs	Т																	
	Freshwater Drum	PCBs										•								
	Lake Trout	PCBs																		
	Rainbow Trout (Including Steelhead)	PCBs			A	A	•	•	•	•	•			•	•	•	•	•	•	•
	Largemouth Bass and Smallmouth Bass	PCBs					A	A	•	A						•	•	•	•	
	Walleye	PCBs															•			
	White Bass	PCBs										•			•	•	•			
	Whitefish	PCBs, Dioxins	V	•	•	▼	▼	▼	•	•	♦	•	•	♦	♦	♦	•	•	•	•
	White Perch	PCBs										•								
	Yellow Perch	PCBs										▼		•	▼	▼				
Barton Pond* (Huron River, Washtenaw Co.)	Carp	PCBs	A	▼	•	•	•	•	▼	•	▼	•								
Belleville Lake* (Huron River,	Carp	PCBs															•			
Wayne Co.)	Gizzard Shad	PCBs									\Box									
	Walleye	PCBs	T									\top	\top			▼	•	•		•
	Suckers	PCBs										•			•					
Black Creek (Lenawee Co.)	Carp	PCBs		A		•	•	•	•	•	•	•	•	•						

[#] Also applies to tributaries into which migratory species enter.

An empty box in the chart means one of two things:

- On the small end of the size scale, fish in this size range are not of legal size.
 On the large end of the size scale, fish of this type generally do not grow to this size.

^{*} See Mercury Advisory on page 5.

Unlimited consumption	n. V One r	neal per week.		(Gen	eral	Po	pula	tion					Wor	nen	& (Chil	drei	1	
One meal per month.		eals per year.			Le	ngt	h (ir	nche	es)					Le	ngt	h (i	nch	es)		
		ot eat these fish.	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body	Species	Contaminant(s)	L	∞	7	77	4	7	5	7	က	L	κό	9	12	4	18		26	ñ
Lake Erie Watershed	All other locations refer t	o general advice on page 5.																		
Cass Lake* (Oakland Co.)	Smallmouth Bass	Mercury, PCBs					▼		\blacksquare	lacksquare										
	Walleye	Mercury, PCBs																		
Clear Spring Lake* (Macomb Co.	Largemouth Bass	Mercury, PCBs							•	•										
Clinton River	Carp	PCBs																		
(Downstream Yates Dam, Macomb Co.)	Rock Bass	PCBs																		
	Suckers																			
Detroit River	Carp	PCBs, Dioxin	♦	•	♦	♦	♦	♦	♦	♦	♦	*	♦	♦	♦	♦	♦	•	•	•
	Freshwater Drum	Mercury, PCBs						lacksquare	▼	lacksquare	▼	•								
	Northern Pike	PCBs																		
	Sturgeon	Mercury, PCBs	♦	•	♦	•	•	•	♦	♦	♦	*	♦	•	♦	♦	♦	•	•	•
	Suckers	PCBs													lacksquare	▼				
	Walleye	PCBs																		
	Yellow Perch	PCBs												▼	▼	▼				
Ford Lake* (Washtenaw Co.)	Black Crappie	PCBs												V	V	V	V			
	Carp	PCBs										•	•							
	Channel Catfish	PCBs													lacksquare	▼				
	Walleye	PCBs	Т								lack					▼	▼			
Hudson Lake* (Lenawee Co.)	Carp	Mercury								V	▼									
	Largemouth Bass	Mercury	Т					lacksquare	▼	▼										
Kent Lake* (Oakland Co.)	Black Crappie	Mercury, PCBs			▼	•	•	•			\Box			•		•	•			
	Carp	PCBs										•								
	Largemouth and Smallmouth Bass	PCBs					A	A	A	A						▼	▼	•	•	
	Walleye	PCBs	\top								lack	1								

^{*} See Mercury Advisory on page 5.

▲ Unlimited consumption	n. V One m	neal per week.		(Gen	era	l Po	pula	atior	1				Wor	nen	& (Chile	drer	1	
One meal per month.		eals per year.			Le	engt	h (iı	nche	es)					Le	engt	h (iı	nch	es)		
Water body	Species Do not	t eat these fish. Contaminant(s)	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Lake Erie Watershed	<u> </u>		н		-		-	-	14	14				7	7	7	7	8	8	
Lake Orion* (Oakland Co.)	Carp	PCBs, Chlordane								♦	♦						▼	▼	*	♦
	Largemouth Bass	Mercury					•	▼	•	V						•	•			
	Northern Pike	Mercury, PCBs							•	V	lacksquare									
Lake St. Clair	Bluegill	PCBs	A									V	~	~	•					
	Brown Bullhead	Mercury					▼									•				
	Carp	PCBs	▼	▼	▼	▼	▼	▼	•	•	lacksquare	•				•				
	Carpsucker	Mercury									lacksquare									
	Channel Catfish	PCBs														•		•	•	•
	Largemouth and Smallmouth Bass	Mercury, PCBs					▼	▼	▼	▼							•	•	•	
	Northern Pike	Mercury								▼	lacksquare									
	Muskellunge	Mercury, PCBs									♦									•
	Sturgeon	PCBs																		
	Walleye	Mercury, PCBs									lacksquare				▼	▼	▼			
	White Bass	Mercury, PCBs																		
	White Perch	Mercury																		
Loon Lake* (Oakland Co.)	Carp	PCBs															lacksquare			
	Largemouth and Smallmouth Bass	Mercury						•	•	•							•	•	•	
Maceday Lake* (Oakland Co.)	Northern Pike	Mercury, PCBs									lacksquare									
Norvell Lake* (Jackson Co.)	Largemouth Bass	Mercury															•			
Osmun Lake* (Oakland Co.)	Carp	PCBs										•								
	Largemouth Bass	PCBs, Mercury																		

^{*} See Mercury Advisory on page 5.

Unlimited consumption		eal per week.			Ger	nera	l Po	pula	atio	n				Wo	mei	n &	Chil	ldrei	n	
One meal per month.		als per year.	fish.												eng	th (i	nch	es)		
Water body	Species Do not	eat these fish. Contaminant(s)	8-8	8-10	0-12	2-14	4-18	8-22	2-26	26-30	30 +	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
-	All other locations refer to g				-	-		-	N	, N				7	7	7	7	7	7	.,
Ottawa River (Monroe Co.)	Largemouth Bass	Mercury	т	т	Т	Т						т	т	Т	Т					
` ,	All other species	PCBs	•	•	•	•		<u></u>		<u> </u>	•	•	•	•	•	•	•	•	•	•
Pine River (St. Clair Co.)	Carp	PCBs											. A				•	▼	▼	
Pontiac Lake* (Oakland Co.)	Channel Catfish	Mercury, PCBs								•					•	•		•		
River Raisin (Upstream Monroe Dam, Monroe & Lenawee Co.)	Carp	PCBs										•		•	•	•	•	•		
River Raisin,	Black Buffalo	PCBs					•	•	•	•	♦					•	•	•	•	♦
(Downstream Monroe Dam, Monroe Co.) and Plum Creek	Carp	PCBs	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	♦
	Channel Catfish	PCBs				♦	•	•	•	•	♦				•	•	♦	•	•	♦
	Freshwater Drum	PCBs																		
	Smallmouth Bass	PCBs																		
	White Bass	PCBs				•	•	•							•	•	•		\Box	
River Raisin,	Carp	PCBs																		
South Branch (Lenwaee Co.)	Northern Pike	PCBs	Г									Т								
	Suckers	PCBs										V	'	•						
Rouge River (Main or Upper Branch upstream M-153/Ford Road, Wayne & Oakland Co.)	Suckers	PCBs					A	•		A		•	/	▼	▼	▼	•	▼	•	▼
Rouge River (Phoenix Lake,	Bluegill	PCBs																		
Wayne Co.)	Carp	PCBs																		
	Northern Pike	PCBs											A							
	Suckers	PCBs														•	•	•	T	

Unlimited consumption		meal per week.			Gen	nera	l Po	pula	atio	n				Wo	mer	& (Chil	drei	1	
One meal per month.		neals per year.			Le	engt	h (iı	nch	es)					Le	engt	h (i	nch	es)		
Water body	Species Do n	ot eat these fish. Contaminant(s)	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Lake Erie Watershed			-				ì			-		-				-	-	- 14	10	
			TA									18								
Rouge River (Newburgh Lake, Wayne Co.)	Carp	PCBs	╀╸									-								
	Channel Catfish	PCBs	╀		\vdash							-	+							
	Largemouth Bass	PCBs	╄		_	\perp						_	1			V	•	V	V	
	Northern Pike	PCBs	╙		$oxed{oxed}$	$oxed{oxed}$		$oxed{oxed}$					\perp		$oxed{oxed}$					
	Suckers	PCBs										V		V	V					
Rouge River	Carp	PCBs									•									♦
(Middle Branch downstream of Newburgh Lake and Main Branch downstream	Catfish	PCBs	•	•	•	•	•	•	•	•	•	♦	•	•	•	♦	♦	•	•	•
M-153/Ford Road, Wayne Co.)	Largemouth and Smallmouth Bass	PCBs					•	•	•	•						•	•	•	•	
	Northern Pike	PCBs																		
	Rock Bass	PCBs									П	▼	T	T	•	•				П
	Suckers	PCBs										•	•							
	All other species	PCBs	▼	T	▼		▼	▼	▼	▼		*	•	•	♦	♦	♦	♦	•	•
Rouge River Lower Branch and Main	Carp	PCBs								•	•								•	♦
Branch (Downstream Ford Dam)	Suckers	PCBs					•	•	•	•	•					•	•	•	•	•
Terry Lake* (Oakland Co.)	Carp	PCBs									lack	▼	T	V	•	V				
St. Clair River	Carp	Mercury, PCBs							▼	▼	•				▼		•		•	•
	Freshwater Drum	Mercury, PCBs						▼	▼	▼										
	Gizzard Shad	Mercury, PCBs							\vdash	\vdash	\square	┪		•	•	•	•			
	Walleye	Mercury, PCBs	Ť			+			▼	▼	▼	\top	+							
Stony Creek Impoundment* (Macomb Co.)	Northern Pike	Mercury, PCBs	T						▼	▼	▼	T						•	•	•
Unnamed Lake*	Bullhead	PCBs										▼	~	▼	▼	▼				
(Washtenaw Co., T3S, R7E, S26)	Largemouth Bass	Mercury, PCBs	T			T				▼	\Box	1								

▲ Unlimited consumption	n. V One me	al per week.		(Gen	eral	Po	pula	tior	ו				Wor	nen	& (Chil	dren		
One meal per month.		ils per year.			Le	ngt	h (ir	nche	es)					Le	engt	h (iı	nch	es)		
Water body	Species	eat these fish. Contaminant(s)	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Lake Erie Watershed	All other locations refer to g	eneral advice on page 5.																		
Walled Lake* (Oakland Co.)	Carp	PCBs										▼	▼	▼	▼	▼	▼	•	•	
	Northern Pike	Mercury, PCBs							•	•	▼									
Whitmore Lake* (Livingston Co.)	Carp	PCBs		A	A			A	A	A							A	•	▼	▼
Woodland Lake*	Carp	PCBs									lack								▼	V
(Livingston Co.)	Largemouth Bass	Mercury						•	•	•										
*All Inland lakes,	Crappie	Mercury																		
reservoirs, and impoundments (mercury advisory)	Largemouth and Smallmouth Bass	Mercury					▼	▼	▼	▼						•		•	•	П
	Muskellunge	Mercury																		
	Northern Pike	Mercury										Г								
	Rock Bass	Mercury																		
	Walleye	Mercury						V			V									
	Yellow Perch	Mercury																		

▲ Unlimited consumption.	. V One me	al per week.			Gen	eral	Po	pula	atior	1				Woi	nen	& (Chile	drer		
One meal per month.		ls per year.			Le	ngt	h (ir	nche	es)					Le	engt	h (i	nch	es)		
		eat these fish.	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body	Species	Contaminant(s)	Ľ		7	+	+	7	12	Ñ	က	_	ω	7	7	4	#	5	76	3
Lake Huron Watershed	All other locations refer to	o general advice on page 5.			_	_			_			ļ.	ļ.							_
Lake Huron #	Brown Trout	PCBs						V	V	V		┸					♦	•	•	•
	Burbot	PCBs										V		V	V	V	V			V
	Chinook Salmon	PCBs																		
	Coho Salmon	PCBs																		
	Lake Trout	PCBs, Dioxins			•	▼	▼	▼	▼	•	•			•	•	•	•	•	•	*
	Rainbow Trout (Including Steelhead)	PCBs					A	A		A				•	•	•	•	•	•	•
	Whitefish	PCBs, Dioxins						▼	•	•	•	V		•	•	lacksquare	♦	•	♦	♦
	All other species	PCBs, Dioxins	▼				▼	▼		▼	lacksquare									•
Saginaw Bay # (Also follow	Carp, Catfish	PCBs, Dioxins	*	♦	♦	•	♦	•	•	♦	♦	•	♦	♦	♦	♦	♦	♦	•	♦
Lake Huron advisories above) Saginaw Co.)	Smallmouth Bass	PCBs, Dioxins					▼	▼	▼	▼		Т				•	•	♦	•	
	Walleye	PCBs, Mercury Dioxins					A	•	▼	▼	▼					•	*	•	•	*
	White Bass	PCBs, Dioxins	•	•	•	•	•	•				•	•	•	♦	•	•			
	Yellow Perch	PCBs										▼		▼	▼	▼				
	All other species	PCBs, Dioxins	▼	▼	▼	▼	▼	▼	▼	▼	V	•	•		•	•	•	•		
Thunder Bay # (Also follow	Carp	PCBs, Dioxins						•	•	♦	♦	▼		▼	▼	▼	♦	♦	♦	♦
Lake Huron advisories above)	Walleye	PCBs										Т				▼	▼			•
Au Sable River (At Oscoda,	Carp	PCBs	▼	•	▼	V	V	V	•	▼	V	•	♦	•	♦	♦	♦	♦	♦	♦
losco Co.)	Walleye	Mercury, PCBs								▼		\top				▼	•	•		
Au Sable River (Between Alcona & Mio Dams, Alcona & Oscoda Co.)	Walleye	Mercury					▼	▼	▼	•	▼					•	•	•	•	•
Bad River (Gratiot & Saginaw Co.)	Carp	PCBs							▼	▼	lacksquare	▼		▼	▼	▼				
	Channel Catfish	PCBs	Т									\top	\top		▼	▼	•	•	•	♦
	Northern Pike	PCBs										\top						▼		▼

[#] Also applies to tributaries into which migratory species enter.
* See Mercury Advisory on page 5.

One meal per week. **General Population** Unlimited consumption. Women & Children One meal per month. Six meals per year. Length (inches) Length (inches) Do not eat these fish. 10-12 18-22 22-26 26-30 10-12 22-26 26-30 8-9 9-8 30 30 **Water body Species** Contaminant(s) **Lake Huron Watershed** All other locations refer to general advice on page 5. Black River (Sanilac Co.) Carp **PCBs** Burt Lake* (Cheboygan Co.) Walleve Mercury Cass River (Downstream of Carp PCBs, Dioxins Bridgeport, Saginaw & Tuscola Co.) Channel Catfish PCBs. Mercury Dioxins Northern Pike **PCBs** Cass River (Upstream of **PCBs** Carp Bridgeport, Saginaw Co.) Northern Pike Mercury **PCBs** Cass River Carp (Upstream of Caro Dam. Tuscola Co.) Sucker Mercury **Cheboyganing Creek PCBs** Carp (Saginaw Co.) Northern Pike **PCBs** Chippewa River (Midland Co.) **PCBs** Suckers Ess Lake* (Montmorency Co.) Northern Pike Mercurv Five Lakes* (Clare Co.) Largemouth Bass Mercury Flint River (Downstream of Flint, **PCBs** Carp Genesee Co.) Smallmouth Bass **PCBs** Frenchman Lake* Northern Pike Mercury (Chippewa Co.) Gavlanta Lake* Northern Pike (Montmorency Co.) Mercury **Holloway Reservoir*** Channel Catfish **PCBs** (Genessee Co.) • • Carp **PCBs** Kawkawlin River (Bay Co.)

22

Northern Pike

PCBs

[#] Also applies to tributaries into which migratory species enter.
* See Mercury Advisory on page 5.

Unlimited consumption		meal per week.			Gen	eral	l Po	pula	atio	1				Wo	men	& (Chil	drei		
One meal per month.		meals per year.			Le	engt	h (ir	nche	es)					Le	engt	:h (i	nch	es)		
Water bady	Species Do n	not eat these fish.	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body		Contaminant(s)	_		7	7	7	7	2	8	(,,	Ľ	ω	7	÷	÷	7	10	Ñ	(7)
Lake Huron Watershed	All other locations re	efer to general advice on page 5.	-	_						_		Ļ.		_		_	_			
Kearsley Reservoir*	Carp	PCBs										▼	V		V	V	V	V		
(Genesee Co.)	Largemouth Bass	Mercury						V	V	V										Ш
Lake Emma* (Presque Isle Co.)	Northern Pike	Mercury							V	V	V	V	V	V	V	V	V			
Lake Esau* (Presque Isle Co.)	Smallmouth Bass	Mercury						V	V	V										Ш
Lobdell Lake* (Genesee Co.)	Carp	PCBs															•	•	V	
Long Lake* (Presque Isle Co.)	Smallmouth Bass	Mercury						lacksquare												
Peach Lake* (Ogemaw Co.)	Northern Pike	Mercury																		
Pine River* (Alma Impoundment, Gratiot Co.)	Carp	PCBs										▼	/		▼	•	▼	•	•	•
Pine River*(Downstream Alma dam, Gratiot & Midland Co.)	All Species	PBBs, DDT	•	•	•	*	•	•	•	•	•	•	•	•	*	•	*	*	*	*
Lake Ponemah* (Genesee Co.)	Carp	PCBs										▼				▼	▼			
	Largemouth Bass	Mercury							▼	▼							•			
Rifle River (Arenac, Ogemaw Co.)	Rock Bass	PCBs										▼				•				
	Suckers	PCBs														•	•			
Saginaw River (Entire Length,	Carp, Catfish	PCBs, Dioxins	•	•	•	•	•	•	•	♦	•	*	•	•	•	♦	•	•	•	•
Bay & Saginaw Co.) Saginaw Co.)	Smallmouth Bass	PCBs, Dioxins														•	•	•	•	
	Walleye	PCBs, Mercury, Dioxins						•	•	•	▼					•	•	*	•	•
	White Bass	PCBs, Dioxins	•	•	•	•	•	•				♦	•	•	•	•	•			
	All other species	PCBs, Dioxins	▼								V	•								
Sanford Lake* (Midland Co.)	Black Crappie																			\square
	Channel Catfish	Mercury, PCBs								▼	V						▼			
	Rock Bass																			\Box

[#] Also applies to tributaries into which migratory species enter.
* See Mercury Advisory on page 5.

Unlimited consumption	. One m	eal per week.			Gen	eral	Po	pula	tior	1				Wo	men	& (Chil	drer		
One meal per month.		als per year.			Le	engt	h (ir	nche	es)					Le	engt	h (i	nch	es)		
Water body	Species Do not	eat these fish. Contaminant(s)	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Lake Huron Watershed		to general advice on page 5.																		
St. Mary's River	Carp	PCBs																		
	Northern Pike	Mercury																		
	Walleye	Mercury, PCBs							lacksquare	▼										
Sebawaing River (Huron Co.)	Carp	PCBs										V	1		•					
	Northern Pike	PCBs									lack							V	V	V
Shiawassee River	Carp	PCBs										V	'		•					
(Downstream of Owosso, Shiawassee Co.)	Rock Bass	PCBs										V	'							
	Smallmouth Bass	PCBs															lacksquare			
Shiawassee River	Carp	PCBs	•						•	•	♦							•	♦	•
(Byron to Owosso, Shiawassee Co.)	Northern Pike	PCBs																		
Shiawassee River S. Br.	Smallmouth Bass	PCBs																		
(M-59 to Byron; Shiawassee, Livingston Co.)	All other species	PCBs	•	•	•	•	•	•	•	•	•	•	•	•	•	*	*	•	•	•
Stevenson Lake*(Isabella Co.)	Bullhead	Mercury				▼	▼	▼	V	▼	V	•	′ ▼	•						
Tawas River (losco Co.)	Northern Pike	PCBs																		V
Thompson Lake*	Black Crappie	PCBs					V													
(Livingston Co.)	Carp	PCBs								♦	•	▼	'					♦	•	•
	Northern Pike	Mercury, PCBs									V									
Thread Creek and Thread Creek Impoundment (Genesee Co.)	Carp	PCBs												•	•	•	•	•		

[#] Also applies to tributaries into which migratory species enter.
* See Mercury Advisory on page 5.

Unlimited consumption	n. V One m	eal per week.			Gen	eral	Po	pula	atior	1				Wor	men	& (Chil	dren		
One meal per month.		eals per year.			Le	ngt	h (ir	nche	es)					Le	engt	h (iı	nch	es)		
Water body	Species	eat these fish. Contaminant(s)	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Lake Huron Watershe	<u> </u>		-			_	7		7	2		_	w	7	-	7	-	7	7	(1)
Lake Huron Watershe	U All other locations refe	r to general advice on page 5.	_	-								-	-							
Tittabawassee River (Downstream of Midland; Midland &	Carp, Catfish	PCBs, Dioxins	•	♦	♦	♦	♦	•	♦	♦	♦	•	♦	♦	♦	♦	♦	♦	♦	•
Saginaw Co.)	Smallmouth Bass	PCBs, Dioxins	L				V	V	V	V						•	♦	♦	•	
	Walleye	PCBs, Mercury, Dioxins						▼	▼	▼	lacksquare					•	*	•	•	•
	White Bass	PCBs, Dioxins	•	•	•	•	•	•				•	•	•	♦	•	♦			
	All other species	PCBs, Dioxins	▼	▼	▼	▼	•	▼	▼	▼	lacksquare	•	•							
Wixom Lake*(Gladwin Co.)	Northern Pike	Mercury									V	Т						V	▼	
Tobico Wetland* (Bay Co.)	Carp	PCBs												•	▼	lacksquare	•	•		
	Northern Pike	PCBs	П																	
Van Etten Lake* (losco Co.)	Carp	PCBs									lack		•							
	Channel Catfish	PCBs	Г																	
	Walleye	Mercury, PCBs	Г				•	▼		▼										
*All Inland lakes,	Crappie	Mercury		V	V	▼	•	▼			П									
reservoirs, and impoundments (mercury advisory)	Largemouth and Smallmouth Bass	Mercury					▼	▼	•	•						•	•	•	•	
, , , , , , , , , , , , , , , , , , , ,	Muskellunge	Mercury	П																	
	Northern Pike	Mercury							▼	▼	lacksquare									
	Rock Bass	Mercury		▼	▼	▼	▼													
	Walleye	Mercury							▼	▼	V							•		
	Yellow Perch	Mercury				▼	▼													

[#] Also applies to tributaries into which migratory species enter.
* See Mercury Advisory on page 5.

Unlimited consumption. One meal per week. **General Population** Women & Children One meal per month. Six meals per year. Length (inches) Length (inches) Do not eat these fish. 10-12 18-22 22-26 26-30 26-30 30 + 10-12 12-14 18-22 22-26 **8-9** 8-9 30 **Water body Species** Contaminant(s) Lake Michigan Watershed All other locations refer to general advice on page 5. **Lake Michigan North Brown Trout** PCBs. Dioxin of Frankfort # **PCBs** Burbot Carp **PCBs PCBs** Catfish Chinook Salmon **PCBs** Coho Salmon **PCBs** Lake Trout PCBs. Chlordane Rainbow Trout **PCBs** (Including Steelhead) Smelt **PCBs PCBs** Sturgeon Mercury, PCBs Walleye PCBs. Dioxin Whitefish Yellow Perch **PCBs Lake Michigan South Brown Trout PCBs** of Frankfort # Carp, Catfish **PCBs** Chinook Salmon **PCBs** Coho Salmon **PCBs** Lake Trout PCBs, Chlordane Rainbow Trout **PCBs** (Including Steelhead) V **PCBs** Smelt PCBs. Chlordane Sturgeon DDT, Dioxin Mercury, PCBs Walleye Whitefish PCBs, Chlordane Dioxin Yellow Perch **PCBs**

Unlimited consumption	. V One me	eal per week.			Gen	era	l Po	pula	atio	n				Wo	mer	8 (Chil	drei	n	
One meal per month.		als per year.			Le	engt	h (ir	nche	es)					Le	engt	th (i	nch	es)		
Waterbade		eat these fish.	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body	Species	Contaminant(s)	_		7	+	+	7	10	Ñ	69	Ľ	&	7	7	1 +	7	%	ñ	θ.
Lake Michigan Waters	NEC All other locations re	efer to general advice on pag	e 5.			-						-	-							
Green Bay #	Brown Trout	PCBs	L		▼	▼		•	•	•	♦			•			♦	•	•	•
(S. of Cedar River. Applies to Michigan waters including	Burbot	PCBs																		lacksquare
Menominee and Cedar rivers	Carp	PCBs, Dioxins	▼	▼	▼	▼	▼	▼	▼	•	♦								•	•
below first dam. See also Lake Michigan-	Channel Catfish	PCBs					▼	▼	•	▼	V	T								
North of Frankfort)	Chinook Salmon	PCBs										Т								
	Lake Trout	PCBs								▼	lacksquare									
	Northern Pike	PCBs																		
	Rainbow Trout (Including Steelhead)	PCBs			A			A	A					•	•	•	•	•	•	
	Smallmouth Bass	Mercury, PCBs																		
	Splake	PCBs						•	•	•	♦						•	•	•	♦
	Sturgeon	PCBs									♦									♦
	Suckers	PCBs																		
	Walleye	Mercury, PCBs																	•	♦
	White Bass	PCBs	♦	•	•	•	•	•				•	•	•	•	•	•			
	Whitefish	PCBs, Dioxins					•	•	•	•	♦	•	•	•	•	•	•	•	•	♦
	White Perch	PCBs	♦	•	•	•						•	•	•	•					
	Yellow Perch	PCBs										•								
Little Bay de Noc #	Burbot	PCBs																		
(See also Lake Michigan North of Frankfort)	Carp	PCBs								•	♦								•	♦
	Northern Pike	PCBs																		
	Smallmouth Bass	Mercury, PCBs																		
	Suckers	PCBs	•									•								

[#] Also applies to tributaries into which migratory species enter. * See Mercury Advisory on page 5.

▲ Unlimited consumption	. V One me	eal per week.			Gen	eral	Po	pula	tion					Wo	men	& 0	Child	dren		
One meal per month.		als per year.			Le	ngtl	h (in	iche	es)					Le	engt	h (iı	nche	es)		
		eat these fish.	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body	Species	Contaminant(s)		80	7	77	4	#	22	76	6	9	κό	9	12	4	18	52	26	ñ
Lake Michigan Waters	hed All other locations r	efer to general advice on page	5.	_		_		_				Ļ	<u> </u>	<u> </u>						
Antione Lake* (Dickinson Co.)	Northern Pike	Mercury																		
(=	Walleye	Mercury										Т					•			
Austin Lake* (Kalamazoo Co.)	Largemouth Bass	Mercury										Τ					•			
Barton Lake* (Kalamazoo Co.)	Carp	PCBs																		V
Battle Creek River	Carp	PCBs																		
(Calhoun Co.)	Smallmouth Bass	PCBs																		
Bear Lake* (Muskegon Co.)	Carp	PCBs									♦						•		♦	•
	Largemouth Bass	Mercury, PCBs																		
	Northern Pike	PCBs																		
	Walleye	Mercury, PCBs																		
Black Creek (Muskegon Co.)	Carp, Suckers	PCBs																		
Black River (S. Br. upstream Bangor, VanBuren Co.)	Carp	PCBs		•	A	A		A		A		1	7	•	▼	•	•	•	▼	•
Black River (Downstream S. Br.	Carp	PCBs	♦	•	♦	♦	♦	♦	♦	♦	♦	4	•	•	♦	♦	♦	♦	♦	♦
and S. Br. downstream Bangor, VanBuren Co.)	Northern Pike	PCBs										Т								
,	Suckers	PCBs										7	7		▼		T		•	V
Boot Lake* (Schoolcraft Co.)	Walleye	Mercury							lacksquare	•	lacksquare						V			
Boyne River (Charlevoix Co.)	Brown Trout	PCBs											V							
Camp Lake* (Kent Co.)	Largemouth Bass	Mercury																		
Craig Lake* (Baraga Co.)	Northern Pike	Mercury								•	♦									♦
Crystal Lake* (Benzie Co.)	Brown Trout	PCBs															•			
	Lake Trout	PCBs																		
	Suckers	PCBs										1	4 V				•			V
Dowagiac River (Cass Co.)	Carp	PCBs		A								•	/	•	•	•	•	•	•	V

Unlimited consumption		meal per week.			Gen	eral	Po	pula	itior	1				Wo	men	8.	Chil	drer	1	
One meal per month.		neals per year.			Le	engt	h (ir	nche	es)					Le	engt	h (i	nch	es)		
Water body	Species Do n	ot eat these fish. Contaminant(s)	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Lake Michigan Waters	hed All other location	ns refer to general advice on pag	e 5.																	
Elk Lake* (Antrim Co.)	Brown Trout	Mercury, PCBs								▼	▼									
	Lake Trout	Mercury, PCBs																		
Fawn River (St. Joseph Co.)	Carp	PCBs																		
	Smallmouth Bass	Mercury																		
Flat River (Upstream Greenville,	Carp	PCBs																		
Montcalm Co.)	Rock Bass	PCBs																		
Flat River (Downstream Greenville,	Carp	PCBs																		
Montcalm, Ionia & Kent Co.)	Rock Bass	PCBs										•	1							Γ
	Suckers	PCBs																V		1
Fenner Lake* (Allegan Co.)	Carp	PCBs										▼			•	•				
Fremont Lake* (Newaygo Co.)	Carp	PCBs										T	1		▼	•	•	▼		1
Galien River (Berrien Co.)	Carp	PCBs, Chlordane							*	•	•							*	•	4
Glen Lake* (Leelanau Co.)	Lake Trout	Mercury, PCBs, Chlordane					•	•	▼	▼	*					▼	•	•	•	•
Goose Lake* (Marquette Co.)	Northern Pike	PCBs																•		
	Walleye	PCBs										T				▼		_		1
	Yellow Perch	PCBs										▼	1 ▼		•	V	Ť	Ť	Ť	T
Grand River	Carp	PCBs																•		1
(Upstream Webber Dam: Ionia, Clinton, Eaton, Ingham & Jackson Co.)	Channel Catfish	PCBs													•	•				1
	Northern Pike	PCBs										\top								1
	Suckers	PCBs										•								T
	Walleye	PCBs	1										\top			•	•	•		1

Unlimited consumption. One meal per week. **General Population** Women & Children One meal per month. Six meals per year. Length (inches) Length (inches) Do not eat these fish. 10-12 18-22 22-26 26-30 30 + 10-12 26-30 9-8 8-9 30 **Water body Species** Contaminant(s) Lake Michigan Watershed All other locations refer to general advice on page 5. **Grand River** Carp **PCBs** (Downstream Webber Dam; Ionia, Kent & **Channel Catfish PCBs** Ottawa Co.) Northern Pike **PCBs PCBs** Suckers **PCBs** Walleye Green Lake* (Grand Traverse Co.) Lake Trout Mercury, PCBs **Greenwood Reservoir*** Northern Pike Mercury (Escanaba River, Marquette Co.) Gull Lake* (Kalamazoo Co.) Northern Pike Mercury, PCBs Hess Lake* (Newaygo Co.) Carp **PCBs** Higgins Lake* Mercury, PCBs. Lake Trout Chlordane (Roscommon Co.) Houghton Lake* (Roscommon Co. Carp **PCBs** Carp **PCBs** Kalamazoo River* (Ceresco Impoundment, Calhoun Co.) Smallmouth Bass Mercury Kalamazoo River (From Battle Carp **PCBs** Creek to Morrow Pond Dam, Calhoun & Channel Catfish **PCBs** Kalamazoo Co.) **PCBs** Smallmouth Bass Kalamazoo River (From Morrow Carp PCBs. Dioxin Dam to Allegan Dam, Kalamazoo & **PCBs** Catfish, Suckers Allegan Co.) Largemouth and **PCBs** Smallmouth Bass All other species **PCBs**

Unlimited consumption. One meal per week. **General Population** Women & Children One meal per month. Six meals per year. Length (inches) Length (inches) Do not eat these fish. 18-22 22-26 26-30 30 + 10-12 26-30 8-9 9-8 30 **Water body Species** Contaminant(s) Lake Michigan Watershed All other locations refer to general advice on page 5. Carp, Catfish **PCBs** Kalamazoo River (Downstream of Allegan Dam, Allegan Co.) Largemouth and **PCBs** Smallmouth Bass Northern Pike **PCBs** All other species **PCBs** Klinger Lake* (St. Joseph Co.) Largemouth Bass Mercury Lake Charlevoix* **Brown Trout PCBs** (Charlevoix Co.) **PCBs** Lake Trout Walleye Mercury Lake Macatawa* (Ottawa Co.) Carp **PCBs** Mercury, PCBs Walleye Lake Mitchell*(Wexford Co.) Largemouth Bass Mercury Lake Paradise* (Emmet Co.) Largemouth Bass Mercury **Smallmouth Bass** Mercury Long Lake* (Kalamazoo Co.) Black Crappie Mercury Long Lake* (St. Joseph Co.) Largemouth Bass Mercury Black Crappie Mercury, PCBs Manistee Lake* (Manistee Co.) **PCBs** Bluegill Largemouth and Mercury, PCBs Smallmouth Bass Mercury, PCBs Walleve **Manistique Lake*** Walleve Mercury (Mackinac Co.) Manistique River (Upstream Northern Pike Mercury from dam at Manistique. Schoolcraft Co.)

Unlimited consumption. One meal per week. **General Population** Women & Children One meal per month. Six meals per year. Length (inches) Length (inches) Do not eat these fish. 18-22 22-26 26-30 10-12 22-26 26-30 **6**-8 8-9 30 30 **Water body Species** Contaminant(s) Lake Michigan Watershed All other locations refer to general advice on page 5. Manistique River (Downstream **PCBs** Carp Manistique Papers Dam, Schoolcraft Co.) Channel Catfish **PCBs Rock Bass** Mercury, PCBs Smallmouth Bass **PCBs** Suckers **PCBs** Mercury, PCBs Walleye **Menominee River** Carp Mercury, PCBs (Between Quinnesec & 1st Dam. Sturgeon Mercury, PCBs Dickinson Co.) Suckers Mercury, PCBs Walleye Mercury, PCBs **Michigamme River** Burbot Mercury System* (Including Lake Michigamme, Northern Pike Mercury Michigamme Reservoir, Peavy Pond, and Paint River Pond; Iron & Suckers Mercury Dickinson Co.) Walleve Mercury Mona Lake* (Muskegon Co.) Carp **PCBs** Smallmouth Bass **PCBs** Walleve **PCBs** Morrison Lake* (Ionia Co.) Carp **PCBs** Largemouth Bass Muskegon Lake* Carp PCBs. Chlordane (Muskegon Co.) Largemouth Bass Mercury, PCBs **PCBs** Northern Pike Smallmouth Bass Mercury, PCBs Mercury, PCBs Walleye **Muskegon River** PCBs, Chlordane Carp (Downstream Croton Dam, Newaygo & Suckers Mercury, PCBs Muskegon Co.) **PCBs** Walleye

Unlimited consumption. One meal per week. **General Population** Women & Children One meal per month. Six meals per year. Length (inches) Length (inches) Do not eat these fish. 10-12 18-22 22-26 26-30 30 + 10-12 22-26 26-30 8-9 8-9 30 **Water body Species** Contaminant(s) Lake Michigan Watershed All other locations refer to general advice on page 5. Net River (Iron Co.) Northern Pike Mercury Walleye Mercury North Lake Leelanau* Lake Trout Mercury, PCBs (Leelanau Co.) **PCBs** Suckers **North Manistique Lake*** Mercury Walleye (Luce Co.) Yellow Perch Paint Lake* (Iron Co.) Northern Pike Mercury Palmer Lake* (St. Joseph Co.) Largemouth Bass Mercury Paw Paw River (Maple Lake, **PCBs** Carp Van Buren Co.) Largemouth Bass Mercury **Pere Marquette Lake*** Northern Pike **PCBs** (Mason Co.) Suckers **PCBs Brown Trout** Mercury, PCBs **Pere Marquette River** (Including Baldwin and all other Tributaries; Lake & Mason Co.) Suckers **PCBs Pigeon River** Smallmouth Bass Mercury, PCBs (St. Joseph Co.) **PCBs** Suckers Platte Lake* (Benzie Co.) Channel Catfish **PCBs** Largemouth and Mercury, PCBs Smallmouth Bass Northern Pike Mercury, PCBs **Rock Bass** Mercury Portage Creek (Monarch Pond, **PCBs** Carp Kalamazoo Co.)

Unlimited consumption. One meal per week. **General Population** Women & Children One meal per month. Six meals per year. Length (inches) Length (inches) Do not eat these fish. 18-22 22-26 26-30 10-12 26-30 9-8 8-9 30 30 **Water body Species** Contaminant(s) Lake Michigan Watershed All other locations refer to general advice on page 5. Portage Creek (Downstream Carp **PCBs** Monarch Mill Pond, Kalamazoo Co.) **PCBs** Channel Catfish **PCBs** Largemouth Bass **Smallmouth Bass PCBs PCBs** All other species Portage Lake* (Manistee Co.) Carp **PCBs** Mercury, PCBs Largemouth Bass Northern Pike **PCBs Smallmouth Bass** Mercury, PCBs **Rabbit River** Carp **PCBs** (Upstream Hamilton Dam, Allegan Co.) Suckers Mercury **Rabbit River** Carp **PCBs** (Downstream Hamilton Dam, Allegan Co.) Mercury, PCBs Largemouth Bass Northern Pike Mercury Randall Lake Chain* Northern Pike Mercury, PCBs (Branch Co.) Red Cedar River (Ingham Co.) **PCBs** Carp Reed's Lake* (Kent Co.) Largemouth Bass **PCBs** Northern Pike **PCBs** Walleve **PCBs Ruddiman Creek Lagoon** Carp **PCBs** (Muskegon Co.) Largemouth Bass **PCBs** Round Lake* (Marguette Co.) Northern Pike Mercurv Selkirk Lake* (Allegan Co.) Yellow Bullhead Mercury St. Joseph River **PCBs** Carp (Downstream Berrien Springs, Berrien Co.) Smallmouth Bass **PCBs** Walleve **PCBs**

▲ Unlimited consumption		al per week.			Gen	iera	l Po	pula	atio	n				Wo	men	& (Chil	drer	1	
One meal per month.		ls per year.			Le	engt	h (iı	nch	es)					Le	engt	h (i	nch	es)		
Water body	Species	eat these fish. Contaminant(s)	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Lake Michigan Waters					_	_	-	_	2	10	, ,,	-	w	+	-	+	+	7	7	(1)
		PCBs	e 5.	IA		IA	IA	IA	IA											
St. Joseph River (Including Chapin Lake*, upstream Berrien	Carp Largemouth Bass	Mercury, PCBs	┢									╀				-				
Springs, Berrien Co.)		•	⊢		\vdash	+		*	*	╁	\vdash	╫	+			<u> </u>				\vdash
04 1 1 1	Smallmouth Bass	PCBs	+		 	\downarrow						╁								
St. Joseph River (Upstream Constantine, St. Joseph Co.)	Carp	PCBs	▮♣							V.	V	-	•							
	Channel Catfish	PCBs	┢		┞			A	A			╇	-		V	V	V	¥		\blacksquare
	Walleye	PCBs	╄		┡	╄						╀				V	V			lacksquare
St. Joseph River (Upstream Sturgis Impoundment, St. Joseph Co.)	Carp	PCBs								V	lacksquare								♦	♦
Sturgis impoundment, St. Joseph Co.)	Largemouth Bass	Mercury						lacksquare	lacksquare		lacksquare				lacksquare					
Stanley Lake* (Iron Co.)	Walleye	Mercury																		
Thornapple River (Barry, Kent, Eaton Co.)	Carp	PCBs										▼	•	•	▼	•	•	•	•	•
Torch Lake*	Brown Trout	PCBs										Τ		V	•	•				
(Antrim Co.)	Lake Trout	Mercury, PCBs, Chlordane							•	•	•			•	•	•	•		•	•
	Lake Whitefish	PCBs, Dioxin															♦	•	•	•
	Smallmouth Bass	Mercury, PCBs	П								П	Т								
	Yellow Perch	Mercury				T														
Union Lake* (St. Joseph R., Branch Co.)	Carp, Channel Catfish	PCBs	A		A			A			A	▼	•	•	•	•	▼	•	•	•
Unnamed Lake* aka	Northern Pike	Mercury							•	♦	•							♦	•	♦
Aligan Lake	Walleye	Mercury							•	•	♦							♦	♦	♦
(Baraga Co., T49N, R31W, S35)	Yellow Perch	Mercury		•	•	•	•							•	•	•				
Van Auken Lake* (VanBuren Co.)	Northern Pike	Mercury								▼	▼							▼	•	•

Unlimited consumption		eal per week.			Ger	iera	I Po	pula	atior	1				Wo	mer	1 &	Chil	drei	n	
 One meal per month. 		als per year.			Le	engt	h (ir	nche	es)					L	eng	th (i	nch	es)		
Water body	Species	eat these fish. Contaminant(s)	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
			-		-	-	-	-	.4			_		7	7	7	7	8	8	***
Lake Michigan Waters	ned All other locations r	efer to general advice on pag	ge 5.																	
Walloon Lake* (Charlevoix Co.)	Rock Bass										Ш									
	Walleye	Mercury																		
	Yellow Perch																			
West Branch Lakes,	Northern Pike	Mercury							♦	♦	♦							♦	♦	♦
SE and SW* (Alger Co., T48N, R14W, S31)	Walleye	Mercury					T	▼	•	♦								♦	•	
	Yellow Perch	Mercury			•	•	•							•	•	•				
White Lake* (Muskegon Co.)	Carp	PCBs	♦	•	•	•	•	•	•	•	•	•	•							
	Smallmouth Bass	Mercury, PCBs																		
	Walleye	Mercury, PCBs																		
*All inland lakes,	Crappie	Mercury																		
reservoirs, and impoundments (mercury adviosry)	Largemouth and Smallmouth Bass	Mercury					•	•	▼	▼						•	•	•	•	
	Muskellunge	Mercury									lacksquare									
	Northern Pike	Mercury							V	V	▼									
	Rock Bass	Mercury		T		▼	▼							•						
	Walleye	Mercury	\top				▼	▼	▼	▼	lacksquare			\top						
	Yellow Perch	Mercury												•						

Unlimited consumption		e meal per week.			Gen	era	l Po	pula	atio	n				Woı	men	& (Chil	drer	1	
One meal per month.		meals per year.			Le	engt	h (iı	nche	es)					Le	ngt	h (i	nch	es)		
Water body	Species Do	not eat these fish.	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
		Contaminant(s)			7	7	_	7	8	8	(7)	Ľ	0	7	+	+	7	8	Ñ	(*)
Lake Superior Waters	ned All other location	ons refer to general advice on page	5.	-	Ι.					1.		-	-							
Lake Superior #	Brown Trout	PCBs	╙									┸		V	V	V	V	V	V	M
	Chinook Salmon	PCBs										┸								
	Coho Salmon	PCBs										┸		V	V	V	V	V	V	
	Lake Herring	PCBs										▼								
	Lake Trout	PCBs, Chlordane, Mercury																		•
	Rainbow Trout	PCBs																		
	Siscowet	Chlordane, PCBs, Dioxin						•	•	•	•			•	•	•	•	•	•	•
	Suckers	PCBs										V		•	•	•	•			
	Walleye	Mercury								▼										
	Whitefish	PCBs																▼	▼	
Au Train Lake* (Alger Co.)	Northern Pike	Mercury									V									
	Yellow Perch	Mercury				▼	▼								▼	▼				
Boston Pond* (Houghton Co.)	Yellow Perch																			
Carp Creek (Upstream of	Brook Trout	Mercury			▼	▼	▼	V	▼	▼	П					•	•			П
Deer Lake, Marquette Co.)	Suckers	Mercury			•	•	♦	♦	•	•	♦			♦	♦	♦	♦	♦	•	•
	All other species	Mercury	•	•	•	♦	♦	•	•	•	♦	♦	•	♦	♦	♦	♦	♦	•	•
Carp River (Downstream	Brook Trout										П									П
of Deer Lake, Marquette Co.)	Northern Pike	Mercury	Т									T								
	Suckers																			
	All other species	Mercury	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Chaney Lake* (Gogebic Co.)	Northern Pike	Mercury	\top						▼	•	♦	十							•	•
,	Yellow Perch	Mercury									\square									
Cisco Lake Chain* (Gogebic Co.)	Walleye		Γ				A	A	A	A	A	T				A	A	A	A	A

^{*} See Mercury Advisory on page 5.
Also applies to tributaries into which migratory species enter.

Unlimited consumption		meal per week.			Gen	eral	Po	pula	ation	1				W	ome	n &	Chil	drer	1	
One meal per month.		neals per year.			Le	ngt	h (ir	nche	es)						Leng	th (i	nch	es)		
Water body	Species Do no	ot eat these fish. Contaminant(s)	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +		2 G-8	2 5	12-14	14-18	18-22	22-26	26-30	30 +
Lake Superior Waters			5.		•	Ť	ì											1 6	N	
Deer Lake* (Alger Co.)	Northern Pike	Mercury	Т		П			П	▼	•	*	Π	Т	Т	Т	Т	П		♦	♦
Deer Lake (Marquette Co.)	All species	Mercury	•	•	♦	♦	♦	*	♦	♦	♦	Η·		X	\	*	♦	♦	♦	•
Duck Lake* (Gogebic Co.)	Walleye	Mercury						▼	•	•	▼	П								
Lake Gogebic* (Gogebic Co.)	Walleye	Mercury						▼			▼	П								
Lake Independence* (Marquette Co.)	Northern Pike	Mercury									▼	П								•
Lake Le Vasseur* (Marquette Co.)	Northern Pike	Mercury							▼	•	•	П						•	•	•
Langford Lake* (Gogebic Co.)	Walleye	Mercury							•	♦	•	П						♦	♦	*
Pomeroy Lake* (Gogebic Co.)	Walleye	Mercury						•			•	П								
Portage Lake* (Houghton Co.)	Brown Trout	PCBs										П								
	Walleye	Mercury, PCBs																		
Silver Lead Creek (Marquette Co.)	Brook Trout	PCBs			A		•	•					•		7		▼	▼	▼	
Siskiwit Lake* (Isle Royale)	Lake Trout	PCBs										П						▼	▼	▼
	Lake Whitefish	PCBs											7	7	7 🔻			•		
Tahquamenon River (Luce Co.)	Walleye	Mercury					•	▼	▼	▼	•	П				•	•	•	•	•
Teal Lake* (Marquette Co.)	Smallmouth Bass	Mercury						lacksquare		V		П				•				
	Walleye	Mercury																		
Thousand Island Lake* (Gogebic Co.)	Walleye	Mercury						▼	•	▼	•						•	•	•	•
Torch Lake* (Houghton Co.)	Northern Pike	Mercury, PCBs										П							V	
	Smallmouth Bass	Mercury, PCBs						▼	▼	▼		П				•	•		•	
	Walleye	Mercury, PCBs									▼	丌	\top	\top		T		•		

^{*} See Mercury Advisory on page 5.
Also applies to tributaries into which migratory species enter.

Unlimited consumpti	on. V One	meal per week.			Gen	eral	Poj	pula	tior	1				Wo	mer	1 & (Chil	drer	1	
One meal per month		neals per year.			Le	ngt	h (in	iche	es)					L	eng	th (i	nch	es)		
,		ot eat these fish.	8-8	8-10	0-12	12-14	14-18	18-22	22-26	26-30	30 +		9-10	10-12	12-14	14-18	18-22	22-26	26-30	
Vater body	Species	Contaminant(s)	_	&	7	+	7	7	13	Ñ	က	L	° °	, 5	7	14	1 22	%	%	
Lake Superior Water	shed All other location	s refer to general advice on page	5 .																	
*All inland lakes,	Crappie	Mercury						\blacktriangleright				4								I
reservoirs, and impoundments (mercury advisory)	Largemouth and Smallmouth Bass	Mercury						•	•	•							•	•		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Muskellunge	Mercury	Г								lacksquare	Т								T
	Northern Pike	Mercury							▼	▼	lacksquare	Τ								Ţ
	Rock Bass	Mercury										1								T
	Walleye	Mercury						•		▼	lacksquare	T								T
	Yellow Perch	Mercury																		T

- # Also applies to tributaries into which migratory species enter.
- * See Mercury Advisory on page 5.
- A. When multiple contaminants are listed, each chemical was analyzed separately for the appropriate advisory and the most protective advisory selected.

Updated April 2008. Advisory updates may be issued at any time upon receipt of significant new findings or changes in advisory criteria. For further information or the most up-to-date advice contact the Michigan Department of Community Health Division of Environmental Health at 1-800-648-6942.

^{*} See Mercury Advisory on page 5.
Also applies to tributaries into which migratory species enter.



Michigan Department of Community Health



Jennifer M. Granholm, Governor Janet Olszewski, Director

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