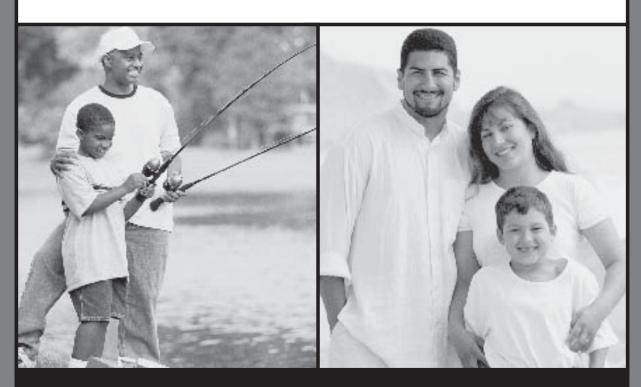


# **2010 MICHIGAN FISH ADVISORY** A Family Guide to Eating Michigan Fish



MDCH Division of Environmental Health• 1-800-648-6942
Visit us on the web at www.michigan.gov/eatsafefish

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Contact the Michigan Department of Community Health 1-800-648-6942 or www.michigan.gov/eatsafefish



## HEALTH BENEFITS AND RISKS OF EATING FISH



#### 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.
- Eat Safe Fish: This brochure has information for families about eating fish. It also lists some types of fish that are low in mercury.

These guides are available at: http://www.michigan.gov/fishandgameadvisory.

## 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.

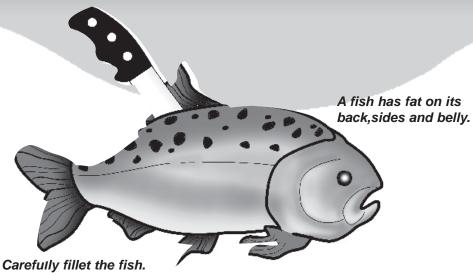
Do not eat any of the internal organs of any fish from any water body (example: liver).

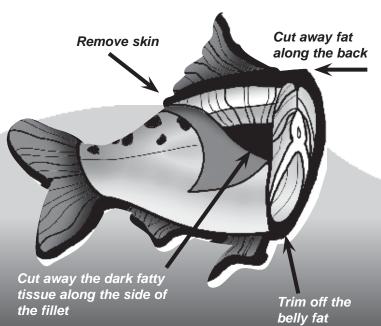


## **COOKING AND**

## **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.

#### For the General Population:

- **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.

#### For Women and Children:

- Women 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 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 "Eat Safe Fish". This guide has advice for you about eating restaurant and store-bought fish.



#### **HOW TO USE THE 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:

- No eating restrictions.
- 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.

#### Meal Size

For adults: 8 ounces when weighed uncooked; 6 ounces when cooked For children: 4 ounces when weighed uncooked; 3 ounces when cooked

#### For More Information

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





- No eating restrictions.
  One meal per month.
- One meal per week.
  Six meals per year.
  - Do not eat these fish.

		Wo	omen	& C	hildr	en		
		L	.engt	h (in	ches	5)		
8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +

Water body	Type of fish	Chemical(s)	9	8	9	12.	14	8	22.	26-	30	9-9	8-	10.	15.	<u>4</u>	18.	22:	26-3	30
Lake Erie Watershed For water	bodies that are not listed, read the	Mercury Advisory on page 5.																		
Lake Erie # (Includes North Maumee Bay)	Carp	Mercury, PCBs, Dioxins	<b>*</b>	<b>*</b>	•	<b>*</b>	•	•	•	•	•	<b>*</b>	•	•	<b>*</b>	<b>*</b>	<b>*</b>	<b>*</b>	<b>•</b>	<b>*</b>
	Catfish	PCBs, Dioxins	<b>♦</b>	•	<b>♦</b>	•	•	•	•	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>•</b>	<b>•</b>	<b>♦</b>	•	<b>♦</b>
	Chinook Salmon	PCBs																		
	Coho Salmon	PCBs																		
	Freshwater Drum	PCBs																		
	Lake Trout	PCBs																		
	Rainbow Trout (Including Steelhead)	PCBs												•	•	•	•	•	•	•
	Largemouth Bass and Smallmouth Bass	PCBs					<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>						•	•	•	•	
	Walleye	PCBs																•		
	White Bass	PCBs																		
	Whitefish	PCBs, Dioxins							<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>•</b>	<b>♦</b>	<b>♦</b>	•	<b>♦</b>	<b>♦</b>	<b>♦</b>	•	•
	White Perch	PCBs																		
	Yellow Perch	PCBs																		
Barton Pond* (Huron River, Washtenaw Co.)	Carp	PCBs										▼	▼	•	•	•	•	•	•	▼
Belleville Lake* (Huron River,	Carp	PCBs																		
Wayne Co.)	Gizzard Shad	PCBs										•								
	Walleye	PCBs														•				
	Suckers	PCBs										•								
Black Creek (Lenawee Co.)	Carp	PCBs	<b>A</b>		<b>A</b>		<b>A</b>		<b>A</b>	<b>A</b>		•	•	•	•	•	•	•	•	•

<sup>#</sup> Also applies to connecting rivers where fish may be caught.

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

- Small lengths: Fish this size may not be legal to keep. Check with the DNR at www.michigan.gov/dnr.
- Longer lengths: Fish do not usually grow to this size.

<sup>\*</sup> See Mercury Advisory on page 5.

No eating restrictions.		eal per week.			Ge	nera	l Pop	oulati	ion					W	omei	n & C	hildı	en		
One meal per month.	Six me					L	_eng	th (ir	nche	5)										
		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	Type of fish	Chemical(s)	_		_	-	-		2	7		_	- w	7	-	7	-	2	2	(1)
Lake Erie Watershed For water	bodies that are not listed, read the	ne Mercury Advisory on page 5.	-								-	-	-							
Cass Lake* (Oakland Co.)	Smallmouth Bass	Mercury, PCBs					•	•	lacksquare			┖						•		
	Walleye	Mercury, PCBs									▼									
Clear Spring Lake*(Macomb Co.)	Largemouth Bass	Mercury, PCBs																		
Clinton River	Carp	PCBs																		
(Downstream of Yates Dam, Macomb Co.)	Rock Bass	PCBs																		
	Suckers																			
Detroit River	Carp	PCBs, Dioxins	<b>♦</b>	<b>♦</b>	<b>♦</b>	•	<b>♦</b>	<b>♦</b>	<b>•</b>	<b>•</b>	<b>*</b>	•	<b>♦</b>	<b>♦</b>	•	•	•	<b>•</b>	<b>•</b>	•
	Freshwater Drum	Mercury, PCBs						▼	lacksquare		▼									
	Northern Pike	PCBs																		
	Sturgeon	Mercury, PCBs	<b>•</b>	<b>•</b>	•	<b>•</b>	•	•	<b>•</b>	<b>•</b>	<b>♦</b>	<b>*</b>	•	<b>•</b>	<b>•</b>	<b>•</b>	<b>•</b>	•	•	<b>♦</b>
	Suckers	PCBs										▼	▼		▼	▼				
	Walleye	PCBs																		
	Yellow Perch	PCBs												•	▼	▼				
	All Other Species	PCBs, Dioxins, Mercury	▼	•	▼	•	•	▼	•	•	▼	•	•	•	•	•	•	•	•	•
Ford Lake* (Washtenaw Co.)	Black Crappie	PCBs																		П
	Carp	PCBs									lack	•								
	Channel Catfish	PCBs																		
	Walleye	PCBs									lack									
Geddes Pond	Carp	PCBs									lack									
Hudson Lake* (Lenawee Co.)	Carp	Mercury								<b>V</b>	<b>V</b>									
	Largemouth Bass	Mercury						•	▼	<b>V</b>	一									

<sup>\*</sup> See Mercury Advisory on page 5.

No eating restrictions		meal per week.			Ge	nera	l Pop	oulat	ion					W	ome	n & C	hildı	ren		
One meal per month.		neals per year.			L	_engt	th (in	ches	s)						Leng	th (ir	nche	s)		
Water body	Type of fish	ot eat these fish.  Chemical(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 For wat	ter bodies that are not listed, rea																			
Kent Lake* (Oakland Co.)	Black Crappie	Mercury, PCBs				▼		▼												
	Carp	PCBs																		
	Largemouth and Smallmouth Bass	PCBs						<b>A</b>		<b>A</b>						•	▼	▼		
	Walleye	PCBs																		•
Lake Orion* (Oakland Co.)	Carp	PCBs, Chlordane								•	<b>♦</b>	4		. 🔺			▼	<b>T</b>	•	<b>♦</b>
	Largemouth Bass	Mercury							▼	▼		П								
	Northern Pike	Mercury, PCBs							•	•										
Lake St. Clair	Bluegill	PCBs										7	7	<b>'</b>						
	Brown Bullhead	Mercury												<b>A</b>						
	Carp	PCBs	•																	
	Carpsucker	Mercury																		
	Channel Catfish	PCBs									$\blacktriangleright$							<b>•</b>	•	<b>♦</b>
	Largemouth and Smallmouth Bass	Mercury, PCBs					•	▼	•	▼						•	•	•		
	Northern Pike	Mercury																		
	Muskellunge	Mercury, PCBs									•									<b>♦</b>
	Sturgeon	PCBs																		
	Walleye	Mercury, PCBs																		
	White Bass	Mercury, PCBs																		
	White Perch	Mercury										1								

<sup>\*</sup> See Mercury Advisory on page 5.

No eating restrictions. 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 12-14 10-12 12-14 14-18 18-22 22-26 26-30 **8-9 6**-8 30+ 30 Water body Type of fish Chemical(s) Lake Erie Watershed For water bodies that are not listed, read the Mercury Advisory on page 5. Loon Lake\* (Oakland Co.) Carp **PCBs** Largemouth and Mercury Smallmouth Bass Maceday Lake\* (Oakland Co.) Mercury, PCBs Northern Pike Norvell Lake\* (Jackson Co.) Largemouth Bass Mercury Osmun Lake\* (Oakland Co.) **PCBs** Carp Largemouth Bass PCBs, Mercury Ottawa River (Monroe Co.) Largemouth Bass Mercury **PCBs** All other species Otter/Sylvan Lakes\* (Oakland Co.) **PCBs** Carp **PCBs** Pine River (St. Clair Co.) Carp **Channel Catfish** Mercury, PCBs Pontiac Lake\* (Oakland Co.) River Raisin (Upstream of Monroe **PCBs** Carp Dam, Monroe & Lenawee Co.) River Raisin, Black Buffalo **PCBs** (Downstream of Monroe Dam, Monroe Co.) **PCBs** Carp and Plum Creek **Channel Catfish PCBs** Mercury, PCBs Freshwater Drum Smallmouth Bass **PCBs PCBs** White Bass River Raisin, **PCBs** Carp South Branch (Lenawee Co.) Northern Pike **PCBs** 

**PCBs** 

Suckers

No eating restrictions.		neal per week.			Ge	nera	ıl Po	pulat	ion					W	lome	n & (	Child	ren		
One meal per month.		eals per year.			L	_eng	th (ir	nches	s)						Leng	ıth (i	nche	s)		
Water body	Type of fish	t eat these fish.  Chemical(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 For water	er bodies that are not listed, read			•	•	•	•	•	•	•	•	•	•	•	•	•				
Rouge River (Main or Upper Branch upstream of M-153/Ford Road, Wayne & Oakland Co.)	Suckers	PCBs	<b>A</b>		✓	•	•	•	•	▼	•	▼								
Rouge River (Phoenix Lake,	Bluegill	PCBs											<b>7</b>							П
Wayne Co.)	Carp	PCBs																		
	Northern Pike	PCBs																		
	Suckers	PCBs																		
Rouge River (Newburgh Lake,	Carp	PCBs																		
Wayne Co.)	Channel Catfish	PCBs									lack									
	Largemouth Bass	PCBs														•				Т
	Northern Pike	PCBs																		
	Suckers	PCBs										_	′ 🔻	_						
Rouge River	Carp	PCBs									<b>♦</b>							T	T	•
	Catfish	PCBs	<b>•</b>	<b>•</b>	<b>•</b>	<b>•</b>	<b>•</b>	•	<b>•</b>	•	<b>♦</b>	•	•	<b>•</b>	<b>•</b>	<b>•</b>	<b>♦</b>	•	<b>•</b>	•
	Largemouth and Smallmouth Bass	PCBs					•	•	•	•						•	•	•	•	
	Northern Pike	PCBs																		
	Rock Bass	PCBs									П	_	′ 🔻	_		•				Т
	Suckers	PCBs																		
	All other species	PCBs	<b>T</b>									•	•	<b>•</b>	•	<b>•</b>	<b>•</b>	•	•	•
Rouge River Lower Branch and Main	Carp	PCBs								•	<b>*</b>								•	<b>♦</b>
<b>Branch</b> (Downstream of Ford Dam)	Suckers	PCBs					<b>♦</b>	<b>♦</b>	<b>•</b>	<b>♦</b>	<b>♦</b>					<b>♦</b>	<b>•</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>
Terry Lake* (Oakland Co.)	Carp	PCBs																		

No eating restrictions	One meal per week.  Six meals per year.  General Population  Length (inches)													W	/ome	n & (	Child	ren		
One meal per month.					L	.engt	h (in	ches	5)						Leng	th (ii	nche	s)		
Water body	Type of fish	eat these fish.  Chemical(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 For water	er bodies that are not listed, read t	he Mercury Advisory on page 5.																		
St. Clair River	Carp	Mercury, PCBs									•				. 🔻				•	•
	Freshwater Drum	Mercury, PCBs					•	▼	•	▼			<b>A</b>			•	•	•	<u>'</u>	
	Gizzard Shad	Mercury, PCBs			V		V	V				▼		•	•	•	•		$oldsymbol{ol}}}}}}}}}}}}}}}}}$	
	Walleye	Mercury, PCBs							lacksquare	lacksquare									<u>'</u>	·   •
Stony Creek Impoundment* (Macomb Co.)	Northern Pike	Mercury, PCBs							•	•								•		
Unnamed Lake*	Bullhead	PCBs										•								
(Washtenaw Co., T3S, R7E, S26)	Largemouth Bass	Mercury, PCBs																	•	1
Walled Lake* (Oakland Co.)	Carp	PCBs										•								
	Northern Pike	Mercury, PCBs							lacksquare	lacksquare					L					
Whitmore Lake* (Livingston Co.)	Carp	PCBs						•				•						▼	▼	▼
Woodland Lake*	Carp	PCBs																	▼	▼
(Livingston Co.)	Largemouth Bass	Mercury						▼	▼	▼										
*All Inland lakes,	Crappie	Mercury																		
reservoirs, and impoundments (mercury advisory)	Largemouth and Smallmouth Bass	Mercury					▼	▼	▼	▼						•			•	
	Muskellunge	Mercury																		
	Northern Pike	Mercury																		
	Rock Bass	Mercury																		
	Walleye	Mercury						•	▼											
	Yellow Perch	Mercury		V			▼													

No eating restrictions.		al per week.			Ge	nera	l Pop	ulati	ion					W	omer	1 & C	Childr	ren		
One meal per month.		ls per year. at these fish.			L	.engt	h (in	ches	)					L	engl	th (ir	nches	s)		
Watershade			8   5   5   5   5   5   5   5   5   5												12-14	14-18	18-22	22-26	26-30	30 +
Water body	Type of fish	Chemical(s)	-		•		`	,	.,	.,	30 +	8-9	8-10	10-12	-	-	-	8	7	
Lake Huron Watershed For wa	ı		-	1	l A	A	l A		_			-								
Lake Huron #	Brown Trout	PCBs	+	<u> </u>	<b>A</b>	<u> </u>	<u> </u>	<b>V</b>	V	<b>V</b>	× I	╀_	_				<b>*</b>	<b>*</b>		
(For species not listed follow Saginaw Bay advisory below)	Burbot	PCBs	▮▲		<u> </u>	_		▼		V	V	V	V	V	V	M				
Sayinaw Bay auvisory below)	Chinook Salmon	PCBs										┸								
	Coho Salmon	PCBs										┸								
	Lake Trout	PCBs, Dioxins			▼	▼	▼	▼		•	•			•	•	•	•	•	•	•
	Rainbow Trout (Including Steelhead)	PCBs												•	•	•	•	•		•
	Whitefish	PCBs, Dioxins						▼	<b>♦</b>	<b>•</b>	•	▼			lacksquare	lacksquare	<b>♦</b>	<b>♦</b>	•	•
	All other species	PCBs, Dioxins	▼	▼	▼	▼	▼	▼	▼	•	▼	•	•		•	•				
Saginaw Bay #	Carp, Catfish	PCBs, Dioxins	<b>♦</b>	<b>•</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	•	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>•</b>	<b>♦</b>
Lake Huron	Freshwater Drum	PCBs										▼		•	lacksquare	▼	▼	lacksquare	▼	
(For all other species follow	Smallmouth Bass	PCBs, Dioxins	Т				▼	▼	lacksquare		$\Box$	Τ				<b>♦</b>	<b>♦</b>	<b>♦</b>	•	П
Lake Huron advisory above)	Walleye	PCBs, Mercury, Dioxins					<b>A</b>	▼	•	•	▼					•	•	•	•	•
	White Bass	PCBs, Dioxins	<b>♦</b>	•	•	•	•	•				•	•	•	<b>•</b>	<b>♦</b>	<b>•</b>			
	Yellow Perch	PCBs										▼		▼	•	▼				
Thunder Bay # (Also follow	Carp	PCBs, Dioxins						•	•	<b>♦</b>	<b>♦</b>	▼		▼	▼	▼	<b>•</b>	•	•	<b>•</b>
Lake Huron advisories above)	Walleye	PCBs	Т									Τ				▼	▼			
Au Sable River (At Oscoda,	Carp	PCBs	▼	▼	▼	▼	▼	▼	▼	<b>V</b>	V	•	•	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	•	•	•
losco Co.)	Walleye	Mercury, PCBs	T								▼	Τ				▼				
Au Sable River (Between Alcona & Mio Dams, Alcona & Oscoda Co.)	Walleye	Mercury	Γ				•	•	•	•	▼	T				•	•	•	•	•
Bad River (Gratiot & Saginaw Co.)	Carp	PCBs							V		▼	▼		~	•	V				
	Channel Catfish	PCBs													▼	▼		•	•	•
	Northern Pike	PCBs																•		V

<sup>#</sup> Also applies to connecting rivers where fish may be caught.

\* See Mercury Advisory on page 5.

<ul><li>No eating restrictions.</li><li>One meal per month.</li></ul>		neal per week. eals per year.						pulati nches										Childr			
,		ot eat these fish.		T	$\overline{}$	$\overline{}$	_	$\overline{}$		Te	1	F	7	-			$\overline{}$	nches	T	To	7
Water body	Type of fish	Chemical(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 Watershed For w	water bodies that are not listed, re	ead the Mercury Advisory on page 5.																			
Black River (Sanilac Co.)	Carp	PCBs																			
Burt Lake* (Cheboygan Co.)	Walleye	Mercury						. 🔻		•	V								•		
Cass River (Downstream of Bridgeport, Saginaw Co.)	Carp	PCBs, Dioxins	▼	•	•	<b>▼</b>	•	•	•	•	▼	]	• •	•	<b>•</b>	<b>•</b>	<b>•</b>	•	<b>•</b>	<b>•</b>	<b>•</b>
	Channel Catfish	PCBs, Mercury, Dioxins					<b>•</b>	•	<b>•</b>	<b>•</b>	<b>♦</b>					•	•	•	<b>•</b>	<b>•</b>	•
	Northern Pike	PCBs																	•	•	•
Cass River (Upstream of	Carp	PCBs										$\prod$								•	•
Bridgeport, Saginaw Co.)	Northern Pike	Mercury	<b>T</b> _									T	T	$\Box$						•	
Cass River	Carp	PCBs										T	<b>V</b>	<b>7</b>					•	▼	▼
(Upstream of Caro Dam, Tuscola Co.)	Sucker	Mercury										T								•	•
Cheboyganing Creek	Carp	PCBs	<b>V</b>	<b>V</b>	<b>V</b>	▼	<b>T</b>	▼	•	<b>•</b>	<b>♦</b>	1	• [						<b>•</b>	<b>•</b>	•
(Saginaw Co.)	Northern Pike	PCBs	1_									T									•
Chippewa River (Midland Co.)	Suckers	PCBs										丁	<b>T</b>	<b>7</b>	▼				•	▼	<b>T</b>
Ess Lake* (Montmorency Co.)	Northern Pike	Mercury	1								<b>V</b>	T	I						<b>V</b>	•	•
Five Lakes* (Clare Co.)	Largemouth Bass	Mercury						V	V	V		T					V		•	•	
Flint River (Downstream of Flint,	Carp	PCBs				<b>A</b>					•	1	• (								<b>•</b>
Genesee Co.)	Smallmouth Bass	PCBs										T	T								
Frenchman Lake* (Chippewa Co.)	Northern Pike	Mercury								▼	▼	I							▼	•	•
Gaylanta Lake* (Montmorency Co.)	Northern Pike	Mercury							<b>A</b>	•	▼	T							•	•	•
Holloway Reservoir* (Flint River, Genesee Co.)	Channel Catfish	PCBs	$\top$	Г								Τ	T			▼	•		•	•	▼

PCBs

PCBs

Carp

Northern Pike

Kawkawlin River (Bay Co.)

<sup>\*</sup> See Mercury Advisory on page 5.

No eating restrictions.		eal per week.					ıl Pop							W	ome	n & (	Child	ren		
One meal per month.		als per year. eat these fish.	Н	-	_	$\overline{}$	th (ir	_				н	-	$\overline{}$	$\overline{}$	th (i	$\overline{}$	Ť		
Water body	Type of fish	Chemical(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 Watershed For w	ater bodies that are not listed, read	d the Mercury Advisory on page 5.																		
Kearsley Reservoir*	Carp	PCBs										•	<b>4</b>							
(Genesee Co.)	Largemouth Bass	Mercury																		
Lake Emma* (Presque Isle Co.)	Northern Pike	Mercury									V	•	<b>4 V</b>						•	
Lake Esau* (Presque Isle Co.)	Smallmouth Bass	Mercury																		
Lake Ponemah* (Genesee Co.)	Carp	PCBs										•	<b>/ V</b>							
	Largemouth Bass	Mercury																		
Lobdell Lake* (Genesee Co.)	Carp	PCBs																		
Long Lake* (Presque Isle Co.)	Smallmouth Bass	Mercury										Т								
Peach Lake* (Ogemaw Co.)	Northern Pike	Mercury	Т							•	V	Т								
Pine River* (Alma Impoundment, Gratiot Co.)	Carp	PCBs			<b>A</b>			<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	1	7	' ▼	•	•	•	•	′ •	
Pine River*(Downstream of Alma dam, Gratiot & Midland Co.)	All Species	PBBs, DDT	<b>*</b>	•	•	•	•	•	•	<b>•</b>	<b>*</b>	1	<b>*</b>	•	•	•	•	•	<b>*</b>	•
Rifle River (Arenac & Ogemaw Co.)	Rock Bass	PCBs										1	<b>7</b>			•				
	Suckers	PCBs													▼	▼	▼	▼		
Saginaw River (Entire Length,	Carp, Catfish	PCBs, Dioxins	<b>♦</b>	<b>♦</b>	<b>•</b>	•	<b>♦</b>	<b>•</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	1	•	•	<b>♦</b>	<b>♦</b>	•	<b>♦</b>	<b>*</b>	<b>•</b>
Bay & Saginaw Co.)	Smallmouth Bass	PCBs, Dioxins						▼	▼	•		Т				<b>•</b>	•	<b>♦</b>	<b>♦</b>	
	Walleye	PCBs, Mercury, Dioxins						•	•	•	•					•	•	•	•	•
	White Bass	PCBs, Dioxins	•	•	•	•	•	•				1	•	•	•	•	•			
	All other species	PCBs, Dioxins	▼	▼	▼	▼		▼	▼	▼	lacksquare									
Sanford Lake* (Midland Co.)	Black Crappie																			
	Channel Catfish	Mercury, PCBs	Τ							▼	lacksquare	Т				•	▼			
	Rock Bass																			

<ul><li>No eating restrictions.</li><li>One meal per month.</li></ul>	Six mea	eal per week. als per year.	_	_			l Pop h (in			_		_	_				hildi		_	_
Water body	Type of fish	eat these fish.  Chemical(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 Watershed For wa																				
St. Mary's River	Carp	PCBs									lack									
	Northern Pike	Mercury	Т						V	▼	lacksquare	Т								
	Walleye	Mercury, PCBs							lacksquare	▼	<b>V</b>					•	•			
Sebawaing River (Huron Co.)	Carp	PCBs									lack	▼		~	•					
	Northern Pike	PCBs									lack							•	•	
Shiawassee River	Carp	PCBs														•				
(Downstream of Owosso, Shiawassee Co.)	Rock Bass	PCBs										<b>T</b>		_	•	•				
	Smallmouth Bass	PCBs										Т				•	•	▼	▼	
Shiawassee River	Carp	PCBs	▼	<b>V</b>	▼	<b>V</b>	▼	V	<b>•</b>	<b>•</b>	<b>•</b>							<b>•</b>	<b>♦</b>	<b>♦</b>
(Byron to Owosso, Shiawassee Co.)	Northern Pike	PCBs																		
Chianagas Dinan C. Du	Smallmouth Bass	PCBs									П									
Shiawassee River S. Br. (M-59 to Byron; Shiawassee, Livingston Co.)	All other species	PCBs	*	•	•	•	•	•	•	•	•	•	•	•	•	•	•	<b>*</b>	•	<b>*</b>
Stevenson Lake*(Isabella Co.)	Bullhead	Mercury				V	V	V	V	V	<b>V</b>	V		V						•
Tawas River (losco Co.)	Northern Pike	PCBs									lack	Ť						V	V	<b>V</b>
Thompson Lake*	Black Crappie	PCBs				•	V	V												
(Livingston Co.)	Carp	PCBs						•	lacksquare	•	<b>♦</b>	▼		•				<b>•</b>	•	<b>♦</b>
	Northern Pike	Mercury, PCBs							V	V		Τ								
Thread Creek and Thread Creek	Carp	PCBs		<b>A</b>	<b>A</b>		<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>		•	•	•	•	•	•	•	•	•

Impoundment\* (Genesee Co.)

▲ No eating restrictions.		eal per week.			Ge	nera	l Pop	ulati	ion					W	omer	1 & C	hildı	en		
One meal per month.		als per year. eat these fish.			L	.engt	h (in	ches	)					L	engt	h (ir	nches	5)		
Water back	Type of 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		Chemical(s)	_				•	,		- "		_		1	-	,	_	"	10	
Lake Huron Watershed For the	water bodies that are not listed, rea	d the Mercury Advisory on page 5.	-								_	-	-	-						
Tittabawassee River	Carp, Catfish	PCBs, Dioxins	•	•	<b>♦</b>	•	•	<b>♦</b>	<b>♦</b>	•	<b>♦</b>	•	•	<b>♦</b>	•	•	<b>♦</b>	•	<b>♦</b>	•
(Downstream of Midland; Midland & Saginaw Co.)	Smallmouth Bass	PCBs, Dioxins								•						<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	
oaginaw oo.,	Walleye	PCBs, Mercury,																•		
	·	Dioxins	1					•	*	*							*	*	*	
	White Bass	PCBs, Dioxins	•	•	•	•	•	•				•	•	•	<b>♦</b>	<b>♦</b>	<b>♦</b>			
	All other species	PCBs, Dioxins	<b>T</b>		•	▼	▼		•	▼	V	•					•			
Tobico Marsh* (Bay Co.)	Carp	PCBs										•		•		•	•	•		V
	Northern Pike	PCBs																		V
Wixom Lake*(Gladwin Co.)	Northern Pike	Mercury									V							▼		
Van Etten Lake* (losco Co.)	Carp	PCBs															•	•		
	Channel Catfish	PCBs																		
	Walleye	Mercury, PCBs					▼		▼	▼	V						•			
*All Inland lakes,	Crappie	Mercury		▼	▼	▼	▼	•									•			
reservoirs, and impoundments (mercury advisory)	Largemouth and Smallmouth Bass	Mercury					•	•	•	•						•	•	•		
	Muskellunge	Mercury																		
	Northern Pike	Mercury							▼	▼	V							•		
	Rock Bass	Mercury		▼	▼	▼	▼													
	Walleye	Mercury	Τ						▼	▼	V									
	Yellow Perch	Mercury		•																

No eating restrictions. 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. 14-18 18-22 22-26 26-30 26-30 10-12 12-14 10-12 12-14 14-18 18-22 22-26 30 + 8-10 **6**-8 8-9 30 + Water body Type of fish Chemical(s) Lake Michigan Watershed For water bodies that are not listed, read the Mercury Advisory on page 5. Lake Michigan North Brown Trout PCBs, Dioxins of Frankfort # Burbot **PCBs** Carp **PCBs PCBs** Catfish Chinook Salmon **PCBs** Coho Salmon **PCBs** Lake Trout PCBs, Chlordane Rainbow Trout **PCBs** (Including Steelhead) • **V** Smelt **PCBs PCBs** Sturgeon Mercury, PCBs Walleye PCBs, Dioxins 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 Smelt **PCBs** Sturgeon PCBs, Chlordane, DDT, Dioxins Walleye Mercury, PCBs Whitefish PCBs, Chlordane, Dioxins Yellow Perch **PCBs** 

No eating restrictions.		eal per week.			Ge	nera	l Pop	oulat	ion					W	omei	n & C	hild	re <b>n</b>		
One meal per month.		als per year. eat these fish.			L	engt	lh (in	ches	5)					l	Leng	th (ir	nche	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 +
Water body	Type of fish	Chemical(s)	-		-	,	<del> </del>	-	, N	7				-			-	7	2	.,,
Lake Michigan Watershed F	or water bodies that are not listed,	read the Mercury Advisory on page 5	F					ı	ı			-								
Green Bay #	Brown Trout	PCBs, Dioxins			▼			•	•	•	<b>♦</b>						•	•	•	<b>♦</b>
(S. of Cedar River. Applies to	Burbot	PCBs																		<b>V</b>
Michigan waters including  Menominee and Cedar rivers	Carp	PCBs, Dioxins	▼	▼	▼	▼	▼	▼	▼	•	<b>♦</b>								•	<b>♦</b>
below first dam. See also  Lake Michigan-	Channel Catfish	PCBs	П			▼	▼	▼	V	<b>V</b>	V	T								
North of Frankfort)	Chinook Salmon	PCBs										Т								
	Lake Trout	PCBs							▼	▼	▼	T			•					
	Northern Pike	PCBs																		
	Rainbow Trout (Including Steelhead)	PCBs			<b>A</b>									•	•	•	•	•		•
	Smallmouth Bass	Mercury, PCBs						▼	▼	▼		Т								
	Splake	PCBs	П		▼	▼	▼	•	•	•	<b>♦</b>	Τ					<b>•</b>	•	•	<b>♦</b>
	Sturgeon	PCBs									<b>♦</b>									<b>♦</b>
	Suckers	PCBs							▼	•	lacksquare	•	•							
	Walleye	Mercury, PCBs	П					▼	lacksquare	▼	lacksquare	Т							•	<b>♦</b>
	White Bass	PCBs	<b>♦</b>	<b>♦</b>	<b>♦</b>	•	<b>♦</b>	<b>♦</b>				<b>*</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>			
	Whitefish	PCBs, Dioxins	▼	▼		▼	•	<b>♦</b>	<b>♦</b>	•	<b>♦</b>	•	<b>•</b>	<b>♦</b>	•	<b>•</b>	<b>•</b>	•	•	<b>♦</b>
	White Perch	PCBs	•	•	•	•						•	<b>♦</b>	•	•					
	Yellow Perch	PCBs										▼		▼	•	▼				
Little Bay de Noc #	Burbot	PCBs									lack									V
(See also Lake Michigan North of Frankfort)	Carp	PCBs	▼	▼	lacksquare		▼		▼	<b>•</b>	<b>♦</b>								•	<b>♦</b>
Transferty	Northern Pike	PCBs	П									T								口
	Smallmouth Bass	Mercury, PCBs						▼	▼	▼		T				•				
	Suckers	PCBs	▼							•	V	•	•							

<sup>#</sup> Also applies to connecting rivers where fish may be caught.

\* See Mercury Advisory on page 5.

No eating restrictions.	<u>—</u>	neal per week.			Ge	nera	l Pop	ulati	ion					Wo	omer	ո & C	hildr	en		
One meal per month.		eals per year. ot eat these fish.			L	engt	h (in	ches	5)					L	.engt	h (in	nches	5)		
			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	Type of fish	Chemical(s)	_			_		-	7	2		Ľ	w	-	-	-	7	7	Ñ	(1)
Lake Michigan Watershed F	or water bodies that are not liste	ed, read the Mercury Advisory on page 5									-	,								
Antione Lake* (Dickinson Co.)	Northern Pike	Mercury	L								▼	┸						▼		
	Walleye	Mercury									▼						$\blacksquare$			
Austin Lake* (Kalamazoo Co.)	Largemouth Bass	Mercury																		
Barton Lake* (Kalamazoo Co.)	Carp	PCBs																		
Battle Creek River	Carp	PCBs																		
(Calhoun Co.)	Smallmouth Bass	PCBs																		
Bear Lake* (Muskegon Co.)	Carp	PCBs									<b>♦</b>								•	<b>•</b>
	Largemouth Bass	Mercury, PCBs																		
	Northern Pike	PCBs																		
	Walleye	Mercury, PCBs						▼			▼									
Black Creek (Muskegon Co.)	Carp, Suckers	PCBs									lack									
Black River, South Branch (Upstream of Bangor, VanBuren Co.)	Carp	PCBs	<b>A</b>	<b>A</b>	<b>A</b>	•	•	•	•	•	•	•	•	•						
Black River (VanBuren Co.	Carp	PCBs	<b>*</b>	•	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>*</b>	•	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>
including all branches except S. Br. upstream of Bangor)	Northern Pike	PCBs									lack							•		
,	Suckers	PCBs									lack	▼					•	•	lacksquare	lacksquare
Boot Lake* (Schoolcraft Co.)	Walleye	Mercury							lacksquare	<b>V</b>	▼	Т					<b>V</b>	•		
Boyne River (Charlevoix Co.)	Brown Trout	PCBs									lack	Т	<b>T</b>							
Camp Lake* (Kent Co.)	Largemouth Bass	Mercury						•	<b>V</b>	•		Т								
Craig Lake* (Baraga Co.)	Northern Pike	Mercury							•		<b>♦</b>							•		<b>♦</b>
Crystal Lake* (Benzie Co.)	Brown Trout	PCBs																		
	Lake Trout	PCBs															•			
	Suckers	PCBs										•								
Cusino Lake (Schoolcraft Co.)	Yellow Perch	Mercury	•	•	•	•						•				•				
Dowagiac River (Cass Co.)	Carp	PCBs									lack	<b>V</b>				<b>V</b>	lacksquare	<b>V</b>		lacksquare

No eating restrictions. 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 12-14 14-18 22-26 26-30 **8-9 6**-8 30+ 30 Water body Type of fish Chemical(s) Lake Michigan Watershed For water bodies that are not listed, read the Mercury Advisory on page 5. Elk Lake\* (Antrim Co.) **Brown Trout** Mercury, PCBs Lake Trout Mercury, PCBs Fawn River (St. Joseph Co.) Carp **PCBs** Smallmouth Bass Mercury Carp Flat River (Upstream of Greenville, **PCBs** Montcalm Co.) **Rock Bass** Flat River (Downstream of **PCBs** Carp Greenville; Montcalm, Ionia & Kent Co.) **PCBs Rock Bass PCBs** Suckers Fenner Lake\* (Allegan Co.) Carp **PCBs** Fremont Lake\* (Newaygo Co.) Carp **PCBs PCBs** Galien River (Berrien Co.) Carp Mercury, PCBs, Glen Lake\* (Leelanau Co.) Lake Trout Chlordane Rainbow Trout **PCBs** Goose Lake\* (Marquette Co.) Northern Pike PCBs, Selenium **PCBs** Walleye **PCBs** Yellow Perch White Sucker PCBs, Selenium **Grand River PCBs** Carp (Upstream of Webber Dam; Ionia, Clinton, **Channel Catfish PCBs** Eaton, Ingham & Jackson Co.) Northern Pike **PCBs PCBs** Suckers Walleye **PCBs** 

<ul><li>No eating restrictions.</li><li>One meal per month.</li></ul>	Six me	eal per week. als per year.	_			enera Lengt					_						Child nche			
Water body	◆ Do not  Type of fish	eat these fish.  Chemical(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 Watershed Fo			-								-							•		
Grand River		PCBs	١,									T								
(Downstream of Webber Dam; Ionia, Kent,	Carp Channel Catfish	+										╀								
& Ottawa Co.)		PCBs	┢	-								╫	+	+	<b>                                     </b>	_		H	#	
	Northern Pike	PCBs										+						lacksquare	+	
	Suckers	PCBs										╀	4							
	Walleye	PCBs	┡			_						┿	+			<b>V</b>			1	
Green Lake*(Grand Traverse Co.)	Lake Trout	Mercury, PCBs	<u> </u>	$oxed{oxed}$		$oxed{igspace}$				V		_	$\bot$	$oxed{igspace}$					1	
Greenwood Reservoir* (Escanaba River, Marquette Co.)	Northern Pike	Mercury							▼	•	<b>♦</b>							•	•	<b>*</b>
Gull Lake* (Kalamazoo Co.)	Northern Pike	Mercury, PCBs																		
Hess Lake* (Newaygo Co.)	Carp	PCBs																		
Higgins Lake* (Roscommon Co.)	Lake Trout	Mercury, PCBs, Chlordane			<b>A</b>					<b>A</b>	<b>*</b>	Τ		•	•	•	•	•	•	•
Houghton Lake*(Roscommon Co.)	Carp	PCBs																		
Kalamazoo River* (Ceresco	Carp	PCBs										•	•	•	•		•	•	•	
Impoundment, Calhoun Co.)	Smallmouth Bass	Mercury						•	<b>T</b>	<b>V</b>	П	Т						•	•	
Kalamazoo River (From Battle	Carp	PCBs									lack				•					
Creek to Morrow Pond Dam, Calhoun & Kalamazoo Co.)	Channel Catfish	PCBs									<b>A</b>	•	•	•	•	•	•	•	•	•
	Smallmouth Bass	PCBs														•	▼	▼	•	
Kalamazoo River (From Morrow	Carp	PCBs, Dioxins	<b>*</b>	•	•	•	•	•	•	•	<b>•</b>	•	•	•	•	•	•	•	•	•
Dam to Allegan Dam, Kalamazoo & Allegan Co.)	Catfish, Suckers	PCBs	•	•	•	•	•	•	•	•	<b>•</b>	•	•	•	•	•	•	•	•	•
	Largemouth and Smallmouth Bass	PCBs	Ť			<u> </u>	<b>*</b>	•	•	•		<u> </u>				•	•	•	•	
	All other species	PCBs	▼		_		▼	▼	▼			•	•	•	•	•	•	•	•	•

No eating restrictions. 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 12-14 14-18 10-12 12-14 14-18 18-22 22-26 30 + 8-9 30+ Water body Type of fish Chemical(s) Lake Michigan Watershed For water bodies that are not listed, read the Mercury Advisory on page 5. Kalamazoo River Carp, Catfish **PCBs** (Downstream of Allegan Dam, Allegan Co.) Largemouth and **PCBs Smallmouth Bass PCBs** Northern Pike All other species **PCBs** Klinger Lake\* (St. Joseph Co.) Largemouth Bass Mercury Lake Charlevoix\* **Brown Trout PCBs** (Charlevoix Co.) Lake Trout **PCBs** Walleye Mercury Lake Macatawa\* (Ottawa Co.) Carp **PCBs** Walleye Mercury, PCBs Largemouth Bass Lake Mitchell\*(Wexford Co.) Mercury Largemouth Bass Lake Paradise\* (Emmet Co.) 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 Walleye Manistique Lake\* Walleye Mercury (Mackinac Co.) Manistique River (Upstream Northern Pike Mercury from dam at Manistique, Schoolcraft Co.)

No eating restrictions.		neal per week.			Ge	nera	ıl Po	pulat	ion					W	ome	n & (	Child	ren		
One meal per month.		eals per year. t eat these fish.	ш		L	eng	th (ir	nches	s)			ш	_		Leng	th (ii	nche	s)		
			8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	- 8-9 8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body	Type of fish	Chemical(s)			-		7	<del> </del>	2	2	.,,	Ľ	"	7	1 ==	<u> </u>	7	5	Š	<u>س</u>
Lake Michigan Watershed For	r water bodies that are not liste	d, read the Mercury Advisory on page 5	5.									<u> </u>						,		
Manistique River (Downstream	Carp	PCBs	<b>♦</b>	<b>♦</b>	•	•	•	•	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	•	•	•	<b>♦</b>	•	•	•	<b>♦</b>
of Manistique Papers Dam, Schoolcraft Co.)	Channel Catfish	PCBs																		
	Rock Bass	Mercury, PCBs										<b>V</b>		•		•				
	Smallmouth Bass	PCBs																		
_	Suckers	PCBs										•								
	Walleye	Mercury, PCBs							lacksquare							▼	lacksquare			
Maple River (Clinton, Gratiot, & Ionia Co.)	Carp	PCBs						<b>A</b>				<b>A</b>			•			▼		▼
Menominee River	Carp	Mercury, PCBs	▼	▼	▼	▼	▼	▼	▼	▼	▼	•					•	•		
(Between Quinnesec & 1st Dam, Dickinson & Menominee Co.)	Sturgeon	Mercury, PCBs																		
	Suckers	Mercury, PCBs						▼	•	•										
	Walleye	Mercury, PCBs						▼	▼	▼	lacksquare	Т								
Michigamme River	Burbot	Mercury							▼	▼	V							•	•	
<b>System*</b> (Including Lake Michigamme, Michigamme Reservoir, Peavy	Northern Pike	Mercury							▼	▼		Т							•	
Pond, and Paint River Pond; Iron & Dickinson Co.)	Suckers	Mercury						▼	▼	▼	▼								•	
DICKINSUIT CO.)	Walleye	Mercury					▼	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	Τ				•	<b>♦</b>	<b>•</b>	<b>•</b>	<b>♦</b>
Mona Lake* (Muskegon Co.)	Carp	PCBs									lack	▼	<b>T</b>	▼	•	▼	▼			
	Smallmouth Bass	PCBs										Τ						•		
	Walleye	PCBs									lack	Τ				▼		•	•	
Morrison Lake* (Ionia Co.)	Carp	PCBs																	▼	•
	Largemouth Bass											T								
Muskegon Lake*	Carp	PCBs, Chlordane								•	<b>♦</b>	•	•				•	•	•	<b>•</b>
(Muskegon Co.)	Largemouth Bass	Mercury, PCBs					▼	▼	•	▼		Τ						•		
	Northern Pike	PCBs										1						•		•
	Smallmouth Bass	Mercury, PCBs					▼	•	•	•										
	Walleye	Mercury, PCBs									V								•	

<ul><li>No eating restrictions.</li><li>One meal per month.</li></ul>		neal per week. eals per year.			Ge	nera	l Pop	oulati	ion					W	omei	1 & C	hild	ren		
•		t eat these fish.			L	engl	th (in	ches	5)					l	Leng	th (iı	nche	s)		
Water body	Type of fish	Chemical(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 Watershed Fo	or water bodies that are not liste	d, read the Mercury Advisory on page 5.																		
Muskegon River	Carp	PCBs, Chlordane									<b>♦</b>	•								<b>♦</b>
(Downstream of Croton Dam, Newaygo & Muskegon Co.)	Suckers	Mercury, PCBs																		
	Walleye	PCBs																		
Net River (Iron Co.)	Northern Pike	Mercury																		
	Walleye	Mercury																		
North Lake Leelanau*	Lake Trout	Mercury, PCBs																		
(Leelanau Co.)	Suckers	PCBs										▼								V
North Manistique Lake*	Walleye	Mercury																		
(Luce Co.)	Yellow Perch																			
Paint Lake* (Iron Co.)	Northern Pike	Mercury																		
Palmer Lake* (St. Joseph Co.)	Largemouth Bass	Mercury																		
Paw Paw River (Maple Lake,	Carp	PCBs																		V
Van Buren Co.)	Largemouth Bass	Mercury																		
Pere Marquette Lake*	Northern Pike	PCBs																		
(Mason Co.)	Suckers	PCBs																		
Pere Marquette River	Brown Trout	Mercury, PCBs																		
(Including Baldwin and all other Tributaries; Lake & Mason Co.)	Suckers	PCBs										•	•	•	•	•	•	•	•	
Pigeon River	Smallmouth Bass	Mercury, PCBs						V	•	V						•				
(St. Joseph Co.)	Suckers	PCBs										▼	▼	▼	•	▼	▼	▼	▼	lacksquare
Platte Lake* (Benzie Co.)	Channel Catfish	PCBs										•								
	Largemouth and Smallmouth Bass	Mercury, PCBs					•	•	•							•	•	•	•	
	Northern Pike	Mercury, PCBs							•	•	<b>V</b>							•	•	•
	Rock Bass	Mercury			<b>V</b>	<b>V</b>	<b>V</b>				$\Box$	▼	<b>V</b>	•		•				
Portage Creek (Monarch Pond, Kalamazoo Co.)	Carp	PCBs	<b>A</b>			•	•	•	•	•	•	•	•	•						

One meal per week.

No eating restrictions.

No eating restrictions.		meal per week.			Ge	nera	l Pop	oulat	ion					W	ome	n & (	Child	ren		
One meal per month.		neals per year. ot eat these fish.			L	eng	t <b>h (</b> in	ches	_						Leng	th (ii	nche	s)		
Water body	Type of fish	Chemical(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 Watershed Fo	or water bodies that are not lis	ted, read the Mercury Advisory on page !	5.																	
Portage Creek (Downstream of	Carp	PCBs										T								
Monarch Mill Pond, Kalamazoo Co.)	Channel Catfish	PCBs				•	•	•	•	•	<b>•</b>				•	•	•	•	•	•
	Largemouth Bass	PCBs					•	•	•	•						<b>•</b>	<b>•</b>	<b>•</b>	•	
	Smallmouth Bass	PCBs					•	•	•	•						<b>•</b>	<b>•</b>	<b>•</b>	•	
	All other species	PCBs	▼						▼	▼	lacksquare	•	•	•	•	•	•	•	•	•
Portage Lake* (Manistee Co.)	Carp	PCBs																		
	Largemouth Bass	Mercury, PCBs										Т								
	Northern Pike	PCBs										Т								
	Smallmouth Bass	Mercury, PCBs					▼	▼	▼	▼										
Rabbit River	Carp	PCBs									lack									
(Upstream of Hamilton Dam, Allegan Co.)	Suckers	Mercury						▼	•	▼	▼						•	•	•	
Rabbit River (Downstream of	Carp	PCBs	▼		~		▼	<b>T</b>	▼	<b>V</b>	▼									
Hamilton Dam, Allegan Co.)	Largemouth Bass	Mercury, PCBs						▼		▼	lacksquare									
	Northern Pike	Mercury							▼	▼	▼							•		
Red Cedar River (Ingham Co.)	Carp	PCBs									lacksquare	<b>T</b>	<b>7</b>		_	<b>V</b>	•	•	•	
Reed's Lake* (Kent Co.)	Largemouth Bass	PCBs														V	▼	▼		
	Northern Pike	PCBs										T								
	Walleye	PCBs										T				•	<b>V</b>			
Round Lake* (Marquette Co.)	Northern Pike	Mercury							•	<b>♦</b>	<b>♦</b>							•	<b>♦</b>	•
Ruddiman Creek Lagoon	Carp	PCBs							V	•	•								•	•
(Muskegon Co.)	Largemouth Bass	PCBs															•	•		
Selkirk Lake* (Allegan Co.)	Yellow Bullhead	Mercury			•		•													
St. Joseph River (Downstream	Carp	PCBs	<b>V</b>	V							V	•	•	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>•</b>	<b>•</b>
of Berrien Springs, Berrien Co.)	Smallmouth Bass	PCBs																		
	Walleye	PCBs																		

▲ No eating restrictions.		al per week.			Ge	nera	l Pop	oulat	ion					W	omei	n & C	Childr	en		
One meal per month.		ils per year.			L	_engt	th (ir	ches	5)						Leng	th (ir	nches	s)		
		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	Type of fish	Chemical(s)	_	"	-	-	1	=	2	2	<u>س</u>	L	®	7	4	7	<u> </u>	%	76	က
Lake Michigan Watershed F	or water bodies that are not listed, r	read the Mercury Advisory on page 5.		<u>, , , , , , , , , , , , , , , , , , , </u>																
St. Joseph River (Including	Carp	PCBs															•	•		
Chapin Lake*, upstream of Berrien Springs, Berrien Co.)	Largemouth Bass	Mercury, PCBs						V	<b>V</b>	<b>V</b>		╙	$\perp$							Ш
,	Smallmouth Bass	PCBs																		
St. Joseph River (Upstream of Constantine, St. Joseph Co.)	Carp	PCBs								V									<b>♦</b>	<b>♦</b>
(Opsiteant of Constantine, St. 30sept Co.)	Channel Catfish	PCBs													V	V		V	V	V
	Walleye	PCBs														V	V	V	V	V
St. Joseph River (Upstream of	Carp	PCBs																	<b>♦</b>	<b>♦</b>
Sturgis Impoundment, St. Joseph Co.)	Largemouth Bass	Mercury														<b>V</b>				
Stanley Lake* (Iron Co.)	Walleye	Mercury										Т								
Thornapple River (Barry, Kent & Eaton Co.)	Carp	PCBs	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>	▼	▼	•	•	•	•	•	•	•
Torch Lake*	Brown Trout	PCBs									lack	Т		<b>V</b>	•	<b>V</b>				
(Antrim Co.)	Lake Trout	Mercury, PCBs, Dioxins					<b>♦</b>	<b>*</b>	<b>♦</b>	<b>•</b>	<b>♦</b>	Γ				•	<b>•</b>	<b>•</b>	•	<b>♦</b>
	Lake Whitefish	PCBs, Dioxins									lack	<b>V</b>	•	•	V	V	<b>♦</b>	<b>•</b>	<b>•</b>	<b>♦</b>
	Smallmouth Bass	Mercury, PCBs																		
	Yellow Perch	Mercury																		
Union Lake* (St. Joseph R., Branch Co.)	Carp, Channel Catfish	PCBs										▼	•	•	•	•	•	•	•	•
Unnamed Lake* aka	Northern Pike	Mercury							<b>•</b>	<b>•</b>	<b>♦</b>							<b>•</b>	<b>•</b>	<b>♦</b>
Aligan Lake	Walleye	Mercury							•	<b>•</b>	<b>•</b>							<b>•</b>	<b>•</b>	<b>♦</b>
(Baraga Co., T49N, R31W, S35)	Yellow Perch	Mercury			•	•	•							<b>•</b>	<b>♦</b>	<b>•</b>				
Van Auken Lake*	Northern Pike	Mercury							<b>A</b>	•	▼							•		•

No eating restrictions.		neal per week.			Ge	enera	l Pop	ulati	ion						W	omei	า & C	Child	ren		
One meal per month.		eals per year.				Lengt	h (in	ches	)						l	_eng	th (iı	nche	s)		
		t eat these fish.	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +		ρ 0	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body	Type of fish	Chemical(s)	_				-	-	7	7	(")	_	_	ω	7	1	-	72	5	2	<u>س</u>
Lake Michigan Watershed F	or water bodies that are not listed	d, read the Mercury Advisory on page	5.																		
Walloon Lake* (Charlevoix Co.)	Rock Bass																				
	Walleye	Mercury										П									
	Yellow Perch																				П
West Branch Lakes,	Northern Pike	Mercury							<b>♦</b>	<b>♦</b>	<b>♦</b>	П							<b>♦</b>	•	<b>•</b>
<b>SE and SW*</b> (Alger Co., T48N, R14W, S31)	Walleye	Mercury	1				<b>V</b>	<b>V</b>	<b>♦</b>	<b>•</b>		П							•	•	
, 60.,	Yellow Perch	Mercury		▼	•	•	<b>•</b>					1			<b>♦</b>	<b>•</b>	<b>•</b>				$\vdash$
White Lake* (Muskegon Co.)	Carp	PCBs	▼			<b>V</b>	<b>T</b>	lacksquare	<b>V</b>	<b>V</b>	lacksquare	1		<b>•</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	•	•	•
	Northern Pike	Mercury, PCBs																			
	Smallmouth Bass	Mercury, PCBs																			
	Walleye	Mercury, PCBs										П						▼			
*All inland lakes,	Crappie	Mercury																			
reservoirs, and impoundments	Largemouth and	Manager										П									П
(mercury adviosry)	Smallmouth Bass	Mercury					<b> </b>	🔻	•	<b> </b>		Ш									
	Muskellunge	Mercury									lacksquare										
	Northern Pike	Mercury							<b>V</b>	•	lacksquare	Т	T							•	
	Rock Bass	Mercury														•		$\Box$	$\Box$	$\top$	$\Box$
	Walleye	Mercury		1			•	<b>V</b>	<b>T</b>	<b>T</b>	lacksquare	IT	$\top$								
		<del></del>		-	-	-	-	_	<b>—</b>	_	-	$\vdash$	_	_		-	-	—	$\leftarrow$	+-	<b>↓</b> —'

Yellow Perch

Mercury

No eating restrictions.	<u>—</u>	meal per week.			Ge	nera	l Pop	oulat	ion					W	omer	ո & C	hildr	en		
One meal per month.		meals per year.			L	.engt	h (in	ches	5)						_eng	th (ir	nches	;)		
		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	Type of fish	Chemical(s)	_	- w	7	-	-	-	2	7	.,,	Ľ	&	=	1 12	-	7	5	2	8
Lake Superior Watershed Fo	r water bodies that are not list	ted, read the Mercury Advisory on page 5.	-	-								-								4
Lake Superior #	Brown Trout	PCBs	┖									┺		V	<b>V</b>	V	V	V	V	<u> </u>
	Burbot	Mercury							V	V	V									
	Chinook Salmon	PCBs										┸								
	Coho Salmon	PCBs														V	V			V
	Lake Herring	PCBs										▼		▼		lacksquare	lacktriangle			lacksquare
	Lake Trout	PCBs, Chlordane, Mercury																		<b>♦</b>
	Rainbow Trout	PCBs	ı									ı								
	Siscowet	Chlordane, PCBs, Dioxins						•	•	•	•					•	•	•	•	<b>*</b>
	Suckers	PCBs										▼	▼	▼	▼	▼	▼	•	▼	▼
	Walleye	Mercury							▼	lacksquare		Т								•
	Whitefish	PCBs										▼	•	•	•	▼	▼			<b>V</b>
Au Train Lake* (Alger Co.)	Northern Pike	Mercury									<b>V</b>	Т								
	Yellow Perch	Mercury				▼	•								▼	lacksquare				
Boston Pond* (Houghton Co.)	Yellow Perch																			
Carp Creek (Upstream of	Brook Trout	Mercury			<b>V</b>	V	V	V	V	V										
Deer Lake, Marquette Co.)	Suckers	Mercury			•	•	•	•	<b>•</b>	<b>♦</b>	<b>♦</b>			•	<b>•</b>	<b>•</b>	<b>•</b>	•	<b>•</b>	<b>♦</b>
	All other species	Mercury	<b>♦</b>	•	•	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>•</b>	•	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	•	<b>•</b>	<b>♦</b>
Carp River (Downstream	Brook Trout																			
of Deer Lake, Marquette Co.)	Northern Pike	Mercury							▼	<b>V</b>		T								•
	Suckers																			
	All other species	Mercury	<b>•</b>	•	•	•	•	•	•	•	<b>♦</b>	•	•	•	<b>•</b>	<b>•</b>	<b>•</b>	<b>•</b>	<b>•</b>	<b>♦</b>
Chaney Lake* (Gogebic Co.)	Northern Pike	Mercury	T						▼	<b>•</b>	<b>♦</b>	Т							<b>•</b>	<b>♦</b>
	Yellow Perch	Mercury																		
Cisco Lake Chain*	Walleye						<b>A</b>		<b>A</b>		<b>A</b>					<b>A</b>	<b>A</b>			<b>A</b>

<sup>\*</sup> See Mercury Advisory on page 5.
# Also applies to connecting rivers where fish may be caught.

No eating restrictions.		meal per week.			Ge	nera	l Pop	oulat	ion						W	omer	1 & C	hild	ren		
<ul> <li>One meal per month.</li> </ul>		neals per year.			L	engt	h (in	ches	s)			П			l	.engt	th (ir	nche	s)		
Water body	Type of fish	ot eat these fish.  Chemical(s)	8-9	8-10	10-12	12-14	14.18	18-22	22-26	26-30	30 +	Н	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Lake Superior Watershed F	or water bodies that are not list	ed, read the Mercury Advisory on page 5.																			
Deer Lake* (Alger Co.)	Northern Pike	Mercury								<b>♦</b>	<b>♦</b>	П								•	<b>•</b>
Deer Lake (Marquette Co.)	All species	Mercury	<b>♦</b>	П	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	•	•								
Duck Lake* (Gogebic Co.)	Walleye	Mercury						▼		•	lacksquare	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							<b>•</b>	<b>•</b>	<b>♦</b>	П							<b>♦</b>	•	•
Pomeroy Lake* (Gogebic Co.)	Walleye	Mercury						▼	▼	▼	▼	П									
Portage Lake* (Houghton Co.)	Brown Trout	PCBs										П					lacksquare	▼			
	Walleye	Mercury, PCBs							▼	▼		П									
Silver Lead Creek (Marquette Co.)	Brook Trout	PCBs	<b>A</b>			•	▼	•	•	•	•	•	•								
Siskiwit Lake* (Isle Royale)	Lake Trout	PCBs										П							lacksquare		
	Lake Whitefish	PCBs										П	<b>V</b>	▼	▼	▼	▼	▼	•	▼	
Tahquamenon River (Luce Co.)	Walleye	Mercury					•	▼	▼	•	▼						•	•	•	•	•
Teal Lake* (Marquette Co.)	Smallmouth Bass	Mercury						V		•		П					V				
	Walleye	Mercury																			
Thousand Island Lake* (Gogebic Co.)	Walleye	Mercury					<b>A</b>	▼	▼	▼	▼	$\prod$					<b>A</b>	•	•	•	•
Torch Lake* (Houghton Co.)	Northern Pike	Mercury, PCBs									▼	П									
	Smallmouth Bass	Mercury, PCBs						▼	▼	▼		П					▼	•	•	•	
	Walleye	Mercury, PCBs							•	•	•	П					•	•	•	•	•

<sup>\*</sup> See Mercury Advisory on page 5.

A No eating restrictions.		meal per week.			Ge	nera	l Pop	oulati	ion						We	omer	1 & C	Childr	en		
One meal per month.		neals per year.			L	.engt	h (in	ches	5)						L	.eng	h (ir	nches	<b>s</b> )		
		ot eat these fish.	8-9	8-10	0.12	12-14	4-18	18-22	22-26	26-30	30 +	Ц	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body	Type of fish	Chemical(s)			_	-	<del>-</del>	7	2	2	(")			- ∞	7	-	-7	=	5	5	<u>۳</u>
Lake Superior Watershed F	or water bodies that are not lis	ted, read the Mercury Advisory on page 5.																			
*All inland lakes,	Crappie	Mercury										4									
reservoirs, and impoundments (mercury advisory)	Largemouth and Smallmouth Bass	Mercury					•	▼	•	•							•	•	•	•	
(moreally duringsly)	Muskellunge	Mercury																			
	Northern Pike	Mercury									lacksquare										
	Rock Bass	Mercury		▼	▼	▼	▼					1									
	Walleye	Mercury																			
	Yellow Perch	Mercury										4			•						

Updated June 2010. This Guide will be updated when information is received that results in changes to the fish advisories. For more information, contact the **Michigan Department of Community Health at 1-800-648-6942.** 

<sup>#</sup> Also applies to connecting rivers where fish may be caught.

<sup>\*</sup> See Mercury Advisory on page 5.

<sup>\*</sup> See Mercury Advisory on page 5.



Michigan Department of Community Health



Jennifer M. Granholm, Governor Janet Olszewski, Director

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