

## 2009 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/fishandgameadvisory

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

www.michigan.gov/fishandgameadvisory



### 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

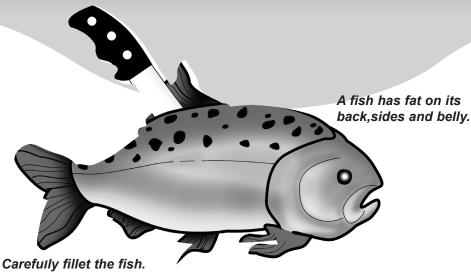
- Cut off all the fat (see page 4 for directions).
- Remove or poke holes in the fish's skin before cooking. This will help the fat and chemicals drain off the fish.
- Bake, broil or grill the fish on a rack. Throw away the drippings.
- Do not eat the guts, head, skin, bones or dark fatty areas.
- Do 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.

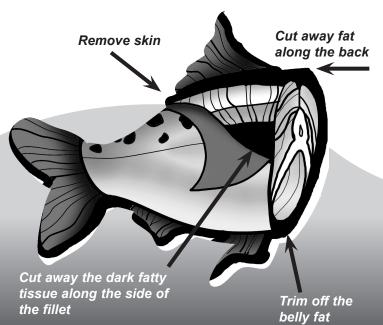
Do not eat any of the internal organs of any fish from any water body (example: liver).



# 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 me	al per week.			Gen	era	Po	pula	atio	1				Wor	nen	& (	Chile	drer		
One meal per month.		ls per year.			Le	ngt	h (ir	nche	es)					Le	ngt	h (iı	nche	es)		
		eat these fish.	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body	Type of fish	Chemical(s)					+	7	5	ñ	ε		ι κό	1	12	4	18		76	ñ
Lake Erie Watershed	For water bodies that are no		visory	on p	age 5	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>	•	•	<b>*</b>
	Catfish	PCBs, Dioxins	<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										T								
	White Bass	PCBs										•								
	Whitefish	PCBs, Dioxins	▼	•	▼	▼	▼	▼	•	•	<b>♦</b>	•	•	•	<b>♦</b>	<b>♦</b>	<b>♦</b>	•	•	<b>•</b>
	White Perch	PCBs										•	•							
	Yellow Perch	PCBs										<b>T</b>		•	▼					
Barton Pond* (Huron River, Washtenaw 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>	•	•	•	•	•	•	•	•	•
Belleville Lake* (Huron River,	Carp	PCBs										•	•					•		
Wayne Co.)	Gizzard Shad	PCBs										•								
	Walleye	PCBs																		
	Suckers	PCBs										•								
Black Creek (Lenawee Co.)	Carp	PCBs										•	•	•	•	•	•	•	•	

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

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

▲ No eating restrictions.		eal per week.			Gen	era	l Po	pula	tior	1				Wo	men	& (	Chil	dre	n	
One meal per month.		als per year.			Le	engt	h (iı	nche	es)					Le	engt	h (i	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	Type of fish	Chemical(s)		∞	7	77	7	7	52	56	က		®	100	12	4	18	52	76	ğ.
Lake Erie Watershed	or water bodies that are n	ot listed, read the Mercury A	dvisory	y on p	age !	5.														
Cass Lake* (Oakland Co.)	Smallmouth Bass	Mercury, PCBs					<b>V</b>	▼	•	▼						•	•	•	•	L
	Walleye	Mercury, PCBs					V	V			lacksquare									
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>	•	•
	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>	•
	Suckers	PCBs										<b>V</b>		▼						Г
	Walleye	PCBs																		
	Yellow Perch	PCBs											. 🔺	▼	▼	▼				Г
	All Other Species	PCBs, Dioxins, Mercury	▼	•	▼	▼	▼	▼	•	•	▼	•	•	•	•	•	•	•	•	•
Ford Lake* (Washtenaw Co.)	Black Crappie	PCBs										<b>V</b>		▼			▼			
	Carp	PCBs																		
	Channel Catfish	PCBs																		
	Walleye	PCBs															•			
Hudson Lake* (Lenawee Co.)	Carp	Mercury								•	V									
	Largemouth Bass	Mercury							•	•										
Kent Lake* (Oakland Co.)	Black Crappie	Mercury, PCBs			▼	▼	▼	▼			$\Box$		. 🔺	•			•			П
	Carp	PCBs										•		•			•			
	Largemouth and Smallmouth Bass	PCBs							<b>A</b>							•	•	•	▼	
	Walleye	PCBs	$\top$	+		T						十	+	T	T		•			

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

▲ No eating restrictions.		neal per week.		(	Gen	era	l Po	pula	ation	1				Wo	mer	1 & (	Chil	dren		
One meal per month.		Six meals per year.  Do not eat these fish.  Length (inches)  \$\psi\$ 2 \ \frac{7}{7} \														th (i	nch	es)		
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 +	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
		not listed, read the Mercury Adv	/isory	on p								-							, ,	
Lake Orion* (Oakland Co.)	Carp	PCBs, Chlordane								<b>*</b>	<b>*</b>						▼	▼	<b>*</b>	•
	Largemouth Bass	Mercury					▼	▼	▼	▼		П								
	Northern Pike	Mercury, PCBs							▼	▼	•	П								
Lake St. Clair	Bluegill	PCBs											<b>4 V</b>		<b>V</b>					
	Brown Bullhead	Mercury					▼													
	Carp	PCBs	▼				▼		▼	▼	▼			•						
	Carpsucker	Mercury						▼	▼	▼	▼									
	Channel Catfish	PCBs							▼	▼	▼	П			▼	•		•	<b>•</b>	<b>♦</b>
	Largemouth and Smallmouth Bass	Mercury, PCBs					▼	▼	▼	▼						•	•		•	
	Northern Pike	Mercury								▼	▼	П								
	Muskellunge	Mercury, PCBs									•	П								<b>♦</b>
	Sturgeon	PCBs										П								
	Walleye	Mercury, PCBs							▼	▼	▼	П			<b>T</b>	▼	•			
	White Bass	Mercury, PCBs				▼	▼	▼												
	White Perch	Mercury			▼	•														
Loon Lake* (Oakland Co.)	Carp	PCBs										V	<b>4</b>		•	•	•	•	•	V
	Largemouth and Smallmouth Bass	Mercury						▼	▼	•							•	•		
Maceday Lake* (Oakland Co.)	Northern Pike	Mercury, PCBs									▼									
Norvell Lake* (Jackson Co.)	Largemouth Bass	Mercury								▼										
Osmun Lake* (Oakland Co.)	Carp	PCBs																		
	Largemouth Bass	PCBs, Mercury																		

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

▲ No eating restrictions.		eal per week.			Ger	nera	l Po	pula	atior	1				Woı	nen	& (	Chil	dren		
One meal per month.		als per year.			Le	engt	h (iı	nche	es)					Le	engt	h (i	nch	es)		
Water body	Type of fish Chemical(s)  Do not eat these fish.													10-12	12-14	14-18	18-22	22-26	26-30	30 +
-		ot listed, read the Mercury A	dvisor									H	8-10	-	-	-	Ť	N	N	
Ottawa River (Monroe Co.)	Largemouth Bass	Mercury	Т							Δ		Т				•	•			
	All other species	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>
Pine River (St. Clair Co.)	Carp	PCBs																		
Pontiac Lake* (Oakland Co.)	Channel Catfish	Mercury, PCBs	Т									П								
River Raisin (Upstream of Monroe Dam, Monroe & Lenawee Co.)	Carp	PCBs								<b>A</b>		•	•	•	•	•	•	•	•	•
River Raisin,	Black Buffalo	PCBs					•	<b>♦</b>	<b>♦</b>	<b>•</b>	<b>•</b>					<b>♦</b>	<b>♦</b>	<b>•</b>	<b>•</b>	<b>♦</b>
(Downstream of Monroe Dam, Monroe Co.)  and Plum Creek	Carp	PCBs	•	•	•	•	•	•	•	<b>♦</b>	•	<b>♦</b>	•	<b>•</b>	<b>•</b>	<b>•</b>	<b>•</b>	•	<b>•</b>	•
	Channel Catfish	PCBs				•	•	•	•	•	•				•	<b>•</b>	•	•	•	•
	Freshwater Drum	PCBs																		
	Smallmouth Bass	PCBs								▼										
	White Bass	PCBs				•	•	•							<b>•</b>	•	•			
River Raisin,	Carp	PCBs																		
South Branch (Lenawee Co.)	Northern Pike	PCBs																		
	Suckers	PCBs										<b>V</b>								
Rouge River (Main or Upper Branch upstream of M-153/Ford Road, Wayne & Oakland Co.)	Suckers	PCBs	<b>A</b>					•		<b>A</b>		▼	•	•	•	•	•	▼	▼	▼
Rouge River (Phoenix Lake,	Bluegill	PCBs										<b>V</b>								
Wayne Co.)	Carp	PCBs																		
	Northern Pike	PCBs																		
	Suckers	PCBs																		

No eating restrictions.		ieal per week.	Length (inches)  Length (inches)														dre	n		
One meal per month.		eals per year.			Le	engt	h (iı	nch	es)					L	engt	th (i	nch	es)		
			- <b>φ</b>	-10	112	2-14	118	3-22	30	30 +	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	
Water body	Do not eat these fish.  Type of fish Chemical(s)  **Do not eat these fish.  **Do not eat the fis													9	12	4	18	52	26	ř
Lake Erie Watershed	For water bodies that are r	not listed, read the Mercury A	dvisor	y on p	age !	5.														
Rouge River (Newburgh Lake,	Carp	PCBs										•	•							
Wayne Co.)	Channel Catfish	PCBs	$\perp$									┸								
	Largemouth Bass	PCBs																		
	Northern Pike	PCBs																		
	Suckers	PCBs										▼		▼						
Rouge River	Carp	PCBs									<b>♦</b>									<b>♦</b>
(Middle Branch downstream of Newburgh Lake and Main Branch downstream of	Catfish	PCBs	•	•	•	<b>♦</b>	•	•	•	•	•	<b>♦</b>	<b>•</b>	•	<b>•</b>	<b>♦</b>	<b>♦</b>	•	•	<b>♦</b>
M-153/Ford Road, Wayne Co.)	Largemouth and Smallmouth Bass	PCBs					•	•	•	•						•	•	•	•	
	Northern Pike	PCBs																		
	Rock Bass	PCBs										▼		▼	~	•				
	Suckers	PCBs										•	•							
	All other species	PCBs		<b>T</b>	•	▼	▼	•	▼	▼		<b>♦</b>	<b>♦</b>	•	<b>•</b>	<b>•</b>	•	<b>•</b>	•	<b>♦</b>
Rouge River Lower Branch and Main	Carp	PCBs	<b>A</b>					<b>A</b>		•	•								•	•
Branch (Downstream of Ford Dam)	Suckers	PCBs					•	•	•	•	<b> </b>					•	•	•	•	<b>♦</b>
Terry Lake* (Oakland Co.)	Carp	PCBs									lack	▼		▼	~	▼		•	•	
St. Clair River	Carp	Mercury, PCBs							•	V	<b>♦</b>				V				<b>•</b>	<b>•</b>
	Freshwater Drum	Mercury, PCBs					•	▼	•	▼										
	Gizzard Shad	Mercury, PCBs			▼	▼	▼	▼				▼		•	•	•	•			П
	Walleye	Mercury, PCBs							▼	▼	▼					•		•		
Stony Creek Impoundment* (Macomb Co.)	Northern Pike	Mercury, PCBs							▼	▼	▼							•	•	•
Unnamed Lake*	Bullhead	PCBs									П	▼		▼	~	▼				П
(Washtenaw Co., T3S, R7E, S26)	Largemouth Bass	Mercury, PCBs	$\top$	T			<b>T</b>	•	▼	▼		Τ						•		$\Box$

▲ No eating restrictions.	▼ One me	al per week.	· · · · · · · · · · · · · · · · · · ·													& (	Chil	dren		
One meal per month.		ls per year.			Le	ngt	h (ir	nche	es)					Le	engt	h (i	nche	es)		
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 bodies that are no	t listed, read the Mercury A	dvisor	y on p	age 5	j														
Walled Lake* (Oakland Co.)	Carp	PCBs											▼	▼	▼	▼	•		•	
	Northern Pike	Mercury, PCBs							•	•	<b>V</b>									
Whitmore Lake* (Livingston Co.)	Carp	PCBs					<b>A</b>	<b>A</b>						<b>A</b>	<b>A</b>	<b>A</b>		▼	▼	▼
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					▼	▼	▼	•						•	•	•	•	
	Muskellunge	Mercury																		
	Northern Pike	Mercury																		
	Rock Bass	Mercury																		
	Walleye	Mercury									V									
	Yellow Perch	Mercury																		

No eating restrictions.	▼ One me	al per week.	per year. Length (inches) Length														Chil	drer	)	
One meal per month.		ls per year.			Le	ngt	h (ir	nche	es)					Le	engt	h (i	nch	es)		
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		not listed, read the Mercury	Advis					·				-	-		-			, N	- 74	
Lake Huron #	Brown Trout	PCBs	Т					<b>T</b>	<b>V</b>			т	т				•	•	•	•
(For species not listed follow	Burbot	PCBs						À	À	À	Ā	┪	<b>/</b>	<b>V</b>	<b>V</b>	<b>V</b>	V	V	V	Ť
Saginaw Bay advisory below)	Chinook Salmon	PCBs	╁╴	<del>                                     </del>								╁	+							
	Coho Salmon	PCBs	+									+		•	•	•	•	•	•	
	Lake Trout	PCBs, Dioxins			<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	<b>T</b>	•	•	T		•	•	•	<b>*</b>	•	•	•
	Rainbow Trout (Including Steelhead)	PCBs			<b>A</b>		<b>A</b>	<b>A</b>	<b>A</b>					•	•	•	•	•	•	•
	Whitefish	PCBs, Dioxins							•	•	•		<b>4 V</b>				<b>♦</b>	•	•	•
	All other species	PCBs, Dioxins	▼	▼	▼				▼		▼									
Saginaw Bay #	Carp, Catfish	PCBs, Dioxins	•	•	•	<b>♦</b>	•	•	•	•	<b>♦</b>	•	•	<b>♦</b>	•	<b>♦</b>	•	•	•	•
Lake Huron	Freshwater Drum	PCBs											<b>1</b>							
(For all other species follow Lake Huron advisory above)	Smallmouth Bass	PCBs, Dioxins														•	<b>♦</b>	•	•	
Lake Haron advisory above,	Walleye	PCBs, Mercury, Dioxins						▼	▼	•						•	•	•	•	<b>*</b>
	White Bass	PCBs, Dioxins	•	•	•	•	•	•			П	•	•	•	•	•	•			
	Yellow Perch	PCBs										_	<b>'</b>	•	•	▼				
Thunder Bay # (Also follow	Carp	PCBs, Dioxins						•	<b>♦</b>	•	•		<b>'</b>				<b>♦</b>	<b>♦</b>	•	<b>•</b>
Lake Huron advisories above)	Walleye	PCBs																		
Au Sable River (At Oscoda,	Carp	PCBs										•	•	<b>♦</b>	•	<b>♦</b>	•	•	•	•
losco Co.)	Walleye	Mercury, PCBs																		
Au Sable River (Between Alcona & Mio Dams, Alcona & Oscoda Co.)	Walleye	Mercury					▼	▼	▼	▼	▼					•	•	•	•	•
Bad River (Gratiot & Saginaw Co.)	Carp	PCBs							•			<b>V</b>	<b>1</b>	•						
	Channel Catfish	PCBs														•		<b>•</b>	•	•
	Northern Pike	PCBs																		

<sup>#</sup> Also applies to connecting rivers where fish may be caught.
\* 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 10-12 22-26 26-30 8-9 9-8 30 30 **Water body** Type of fish Chemical(s) **Lake Huron Watershed** For water bodies that are not listed, read the Mercury Advisory on page 5. Black River (Sanilac Co.) Carp **PCBs** Burt Lake\* (Cheboygan Co.) Walleve Mercury Cass River (Downstream of Carp PCBs, Dioxins Bridgeport, Saginaw Co.) Channel Catfish PCBs. Mercurv. 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.) **PCBs** Northern Pike Chippewa River (Midland Co.) Suckers **PCBs** 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 Mercury (Montmorency Co.) Holloway Reservoir\* Channel Catfish **PCBs** (Genesee Co.) • Carp **PCBs** Kawkawlin River (Bay Co.) Northern Pike **PCBs** 

No eating restrictions.		eal per week.			Gen	era	l Po	pula				Wo	men	& (	Chil	dren				
One meal per month.		als per year.		Le	engt	h (iı			L	engt	h (i	nch	es)							
Water body	Type of fish	Do not eat these fish.  The of fish Chemical(s)  Water bodies that are not listed, read the Mercury Advisory on page 5.														14-18	18-22	22-26	26-30	30 +
	For water bodies that a		Advis	sory c	on pag	ge 5.														
Kearsley Reservoir*	Carp	PCBs											<b>1</b>	▼	<b>T</b>	<b>V</b>	▼	▼		
(Genesee Co.)	Largemouth Bass	Mercury	Г					▼	▼	▼		$\top$								
Lake Emma* (Presque Isle Co.)	Northern Pike	Mercury								V	V	V	<b>1</b>	~	V	V	V			
Lake Esau* (Presque Isle Co.)	Smallmouth Bass	Mercury																		
Lobdell Lake* (Genesee Co.)	Carp	PCBs															lacksquare	lacksquare	•	
Long Lake* (Presque Isle Co.)	Smallmouth Bass	Mercury										П								
Peach Lake* (Ogemaw Co.)	Northern Pike	Mercury																▼		
Pine River* (Alma Impoundment, Gratiot Co.)	Carp	PCBs		<b>A</b>	<b>A</b>	<b>A</b>	<b>A</b>		<b>A</b>	<b>A</b>		•	<b>✓</b>	<b>V</b>	•	•	•	▼	•	•
Pine River*(Downstream of Alma dam, Gratiot & Midland Co.)	All Species	PBBs, DDT	•	•	•	•	•	•	•	<b>*</b>	•	•	•	•	<b>*</b>	<b>•</b>	<b>•</b>	<b>*</b>	•	<b>*</b>
Lake Ponemah* (Genesee Co.)	Carp	PCBs											' ▼	•	•	▼	▼			
	Largemouth Bass	Mercury						<b>T</b>	▼	▼										
Rifle River (Arenac & Ogemaw Co.)	Rock Bass	PCBs										<b>T</b>	<b>1</b>	V	•	•				
	Suckers	PCBs											. 🔻	•	▼	▼	▼	▼	▼	
Saginaw River (Entire Length,	Carp, Catfish	PCBs, Dioxins	•	•	•	<b>•</b>	•	•	•	•	<b>•</b>	•	•	•	<b>•</b>	<b>•</b>	<b>♦</b>	•	<b>•</b>	<b>♦</b>
Bay & Saginaw Co.)	Smallmouth Bass	PCBs, Dioxins					▼		▼			П				•	<b>♦</b>	•	<b>•</b>	
	Walleye	PCBs, Mercury, Dioxins						▼	▼	▼	•					•	•	•	•	<b>*</b>
	White Bass	PCBs, Dioxins	•	•	•	•	•	•				<b>♦</b>	•	•	<b>•</b>	<b>♦</b>	<b>♦</b>			
	All other species	PCBs, Dioxins	▼																	
Sanford Lake* (Midland Co.)	Black Crappie																			
	Channel Catfish	Mercury, PCBs																		
	Rock Bass																			

No eating restrictions.	▼ One m	eal per week.			Gen	eral	l Po	pula	itioi	n				Wo	men	& (	Chil	drer	1	
One meal per month.		als per year.			Le	engt	h (ir	nche	es)					Le	engt	:h (iı	nch	es)		
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 +	8-8	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Lake Huron Watershed	For water bodies that ar	re not listed, read the Mercu	ry Advis	sory c	n pag	ge 5.														
St. Mary's River	Carp	PCBs																		
	Northern Pike	Mercury																		•
	Walleye	Mercury, PCBs																		
Sebawaing River (Huron Co.)	Carp	PCBs										<b>V</b>								
	Northern Pike	PCBs																		
Shiawassee River	Carp	PCBs																		
(Downstream of Owosso, Shiawassee Co.)	Rock Bass	PCBs																		
	Smallmouth Bass	PCBs																		
Shiawassee River	Carp	PCBs	•						•	•	<b>♦</b>							<b>♦</b>	<b>♦</b>	<b>•</b>
(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						•												
Tawas River (losco Co.)	Northern Pike	PCBs																		
Thompson Lake*	Black Crappie	PCBs										•								
(Livingston Co.)	Carp	PCBs								<b>•</b>	<b>♦</b>							<b>•</b>	•	<b>•</b>
	Northern Pike	Mercury, PCBs							V	V	V									
Thread Creek and Thread Creek Impoundment* (Genesee Co.)	Carp	PCBs	<b>A</b>		<b>A</b>	•	•	<b>A</b>	<b>A</b>	•		•	•	•	•	•	•	•	•	•

No eating restrictions.	▼ One m	eal per week.			Gen	eral	Po	pula	atior	1				Wor	men	& (	Chil	drer		
One meal per month.		als per year.			Le	engt	h (ir	nche	es)					Le	engt	h (iı	nch	es)		
Water body	Type of fish	eat these fish.  Chemical(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 +
			_				_	_	- 74	N		-	, w	7	7	7	7	2	2	**
Lake Huron Watershee	For water bodies that a	re not listed, read the Mercu	ry Advis	sory o	n pag	ge 5.					_	-	-							
Tittabawassee River	Carp, Catfish	PCBs, Dioxins	•	•	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>•</b>	•	•	<b>♦</b>	<b>♦</b>	•	•	•	<b>♦</b>	1
(Downstream of Midland; Midland & Saginaw Co.)	Smallmouth Bass	PCBs, Dioxins	┸				•	•	•	•		┸				<b>♦</b>	•	•	•	
	Walleye	PCBs, Mercury,									lacksquare						•		•	╽╻
		Dioxins					_	ľ	ľ	'	ľ						Ť	Ľ	Ľ	
	White Bass	PCBs, Dioxins	•	•	•	•	•	•				<b>*</b>	•	•	•	•	•			
	All other species	PCBs, Dioxins										•								
Tobico Marsh* (Bay Co.)	Carp	PCBs																		
	Northern Pike	PCBs																		
Wixom Lake*(Gladwin Co.)	Northern Pike	Mercury																		I
Van Etten Lake* (losco Co.)	Carp	PCBs																		I
	Channel Catfish	PCBs																		
	Walleye	Mercury, PCBs					▼	▼	•	▼							•			1
All Inland lakes,	Crappie	Mercury		▼	▼	•	▼	▼						•		•	•			Γ
reservoirs, and impoundments (mercury advisory)	Largemouth and Smallmouth Bass	Mercury					•	•	•	•						•	•	•	•	
•	Muskellunge	Mercury																		Ī
	Northern Pike	Mercury							▼	▼	V									1
	Rock Bass	Mercury		▼	▼	▼	▼													Γ
	Walleye	Mercury						•	•	▼	V									1
	Yellow Perch	Mercury																		Г

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 30 + 10-12 18-22 22-26 8-9 **6**-8 30 Type of fish **Water body** 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) Smelt **PCBs PCBs** Sturgeon Walleye Mercury, PCBs Whitefish PCBs. Dioxins 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, Dioxins Mercury, PCBs Walleye Whitefish PCBs, Chlordane, Dioxins Yellow Perch **PCBs** 

No eating restrictions.	<u>—</u>	eal per week.			Gen	era	l Po	pula	atio	n				Wo	mer	1 &	Chile	drei	1	
One meal per month.		als per year.			Le	engt	h (iı	nch	es)					L	eng	th (i	nch	es)		
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 +		8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Lake Michigan Waters	hed For water bodies th	nat are not listed, read the M	lercury .	Advis	ory o	n pag	je 5.	•	•	•	•	•	•	•	•	•				
Green Bay #	Brown Trout	PCBs, Dioxins	Т		_	_	_	•	•	<b>*</b>	•	Τ	T	•	•	Г	•	•	<b>*</b>	•
(S. of Cedar River. Applies to Michigan waters including	Burbot	PCBs										1	1							
Menominee and Cedar rivers	Carp	PCBs, Dioxins	▼							•	<b>♦</b>								•	•
below first dam. See also  Lake Michigan-	Channel Catfish	PCBs				▼	•	•	▼	▼	lacksquare	Т								
North of Frankfort)	Chinook Salmon	PCBs										П		•						
	Lake Trout	PCBs												•						
	Northern Pike	PCBs										П								
	Rainbow Trout (Including Steelhead)	PCBs												•	•	•	•	•	•	•
	Smallmouth Bass	Mercury, PCBs						▼	▼	▼										
	Splake	PCBs			▼	▼	▼	•	•	•	<b>♦</b>			•			•	•	<b>•</b>	•
	Sturgeon	PCBs									<b>•</b>									•
	Suckers	PCBs							▼	▼										
	Walleye	Mercury, PCBs						▼	▼	▼									<b>•</b>	•
	White Bass	PCBs	<b>•</b>	<b>•</b>	•	•	•	•				1	<b>)</b>	•	•	<b>•</b>	<b>•</b>			
	Whitefish	PCBs, Dioxins	<b>T</b>				•	•	•	•	<b>♦</b>	1	<b>)</b>	•	•	•	<b>•</b>	•	•	•
	White Perch	PCBs	<b>•</b>	•	•	•						1	<b>)</b>	•	•					
	Yellow Perch	PCBs											7	<b>4</b> 🔻	•	•				
Little Bay de Noc #	Burbot	PCBs											1 4						▼	
(See also Lake Michigan North of Frankfort)	Carp	PCBs	▼	▼	▼	▼		▼		•	<b>♦</b>								•	•
•	Northern Pike	PCBs																		
	Smallmouth Bass	Mercury, PCBs										$\prod$								
	Suckers	PCBs																		

<sup>#</sup> Also applies to connecting rivers where fish may be caught.
\* 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. 18-22 22-26 26-30 10-12 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. Northern Pike Mercurv Antione Lake\* (Dickinson Co.) Walleye Mercury Austin Lake\* (Kalamazoo Co.) Largemouth Bass Mercury Barton Lake\* (Kalamazoo Co.) **PCBs** Carp **Battle Creek River PCBs** Carp (Calhoun Co.) Smallmouth Bass **PCBs** Bear Lake\* (Muskegon Co.) Carp **PCBs** Mercury, PCBs Largemouth Bass Northern Pike **PCBs** Mercury, PCBs Walleye Black Creek (Muskegon Co.) Carp, Suckers **PCBs Black River,** South Branch Carp **PCBs** (Upstream of Bangor, VanBuren Co.) Black River (VanBuren Co. Carp **PCBs** including all branches except S. Br. Northern Pike **PCBs** upstream of Bangor) Suckers **PCBs** Boot Lake\* (Schoolcraft Co.) Walleye Mercury Boyne River (Charlevoix Co.) **Brown Trout PCBs** Camp Lake\* (Kent Co.) Largemouth Bass Mercury Craig Lake\* (Baraga Co.) Northern Pike Mercurv Crystal Lake\* (Benzie Co.) **PCBs Brown Trout** Lake Trout **PCBs** Suckers **PCBs** Dowagiac River (Cass Co.) Carp **PCBs** 

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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 30 + 10-12 26-30 9-8 8-9 30 Type of fish **Water body** 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 Flat River (Upstream of Greenville, Carp **PCBs** Montcalm Co.) **Rock Bass** Flat River (Downstream of **PCBs** Carp Greenville; Montcalm, Ionia & Kent Co.) Rock Bass **PCBs** Suckers **PCBs** Fenner Lake\* (Allegan Co.) **PCBs** Carp Fremont Lake\* (Newaygo Co.) **PCBs** Carp Galien River (Berrien Co.) Carp **PCBs** Mercury, PCBs. Glen Lake\* (Leelanau Co.) Lake Trout Chlordane **PCBs** Rainbow Trout Goose Lake\* (Marguette Co.) Northern Pike **PCBs** Walleve **PCBs** Yellow Perch **PCBs Grand River PCBs** Carp (Upstream of Webber Dam; Ionia, Clinton, **Channel Catfish PCBs** Eaton, Ingham & Jackson Co.) Northern Pike **PCBs** Suckers **PCBs PCBs** Walleye

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 10-12 26-30 9-8 8-9 30 30 Type of fish **Water body** Chemical(s) Lake Michigan Watershed For water bodies that are not listed, read the Mercury Advisory on page 5. **Grand River** Carp **PCBs** (Downstream of Webber Dam: Ionia, Kent. **Channel Catfish PCBs** & Ottawa Co.) Northern Pike **PCBs PCBs** Suckers **PCBs** Walleve 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 (Roscommon Co.) Chlordane 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 PCBs. Dioxins Carp Dam to Allegan Dam, Kalamazoo & **PCBs** Catfish, Suckers Allegan Co.) Largemouth and **PCBs** Smallmouth Bass 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 30 + 10-12 22-26 26-30 9-8 8-9 30 Type of fish **Water body** 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 Northern Pike **PCBs** 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.) **PCBs** Carp Mercury, PCBs Walleye Lake Mitchell\*(Wexford Co.) Largemouth Bass Mercury Lake Paradise\* (Emmet Co.) Largemouth Bass Mercury Smallmouth Bass Mercury Black Crappie Long Lake\* (Kalamazoo Co.) Mercury Long Lake\* (St. Joseph Co.) Largemouth Bass Mercury Mercury, PCBs Manistee Lake\* (Manistee Co.) Black Crappie **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.)

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 22-26 26-30 8-9 9-8 30 30 Type of fish **Water body** Chemical(s) Lake Michigan Watershed For water bodies that are not listed, read the Mercury Advisory on page 5. Manistique River (Downstream **PCBs** Carp of Manistique Papers Dam, Schoolcraft Co.) Channel Catfish **PCBs Rock Bass** Mercury, PCBs Smallmouth Bass **PCBs** Suckers **PCBs** Mercury, PCBs Walleye Maple River (Clinton, Gratiot, & **PCBs** Carp Ionia Co.) **Menominee River** Carp Mercury, PCBs (Between Quinnesec & 1st Dam. Sturgeon Mercury, PCBs Dickinson & Menominee 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.) Walleye Mercurv Mona Lake\* (Muskegon Co.) Carp **PCBs** Smallmouth Bass **PCBs PCBs** Walleye Morrison Lake\* (Ionia Co.) Carp **PCBs** Largemouth Bass Muskegon Lake\* Carp PCBs. Chlordane (Muskegon Co.) Largemouth Bass Mercury, PCBs Northern Pike **PCBs** Smallmouth Bass Mercury, PCBs Walleve Mercury, PCBs

<ul><li>No eating restrictions.</li><li>One meal per month.</li></ul>		al per week. Is per year.		Central Population										Women & Children									
ene mear per menan.		eat these fish.			Le	ngtl	h (ir	nche	es)					Le	engt	h (iı	nche	es)					
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 Watersl	<b>ned</b> For water bodies tha	t are not listed, read the Mer	cury <i>l</i>	Adviso	ory or	ı pag	e 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									lacktriangle												
North Lake Leelanau*	Lake Trout	Mercury, PCBs					•	•															
(Leelanau Co.)	Suckers	PCBs										V		lacksquare	lacksquare	lacksquare		lacksquare		lacksquare			
North Manistique Lake*	Walleye	Mercury									•												
(Luce Co.)	Yellow Perch																						
Paint Lake* (Iron Co.)	Northern Pike	Mercury										L											
Palmer Lake* (St. Joseph Co.)	Largemouth Bass	Mercury																					
Paw Paw River (Maple Lake, Van Buren Co.)	Carp	PCBs																					
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										•	•	•	•	•	•	•	•	١			
Pigeon River	Smallmouth Bass	Mercury, PCBs						▼	lacksquare	<b>V</b>		T				V							
(St. Joseph Co.)	Suckers	PCBs										<b>V</b>		•	•	•		•		<b>V</b>			
Platte Lake* (Benzie Co.)	Channel Catfish	PCBs																					
	Largemouth and Smallmouth Bass	Mercury, PCBs					•	▼	•	•						•	•	•					
	Northern Pike	Mercury, PCBs								lacksquare	lacksquare												
	Rock Bass	Mercury			<b>T</b>	▼	▼				$\Box$	▼	_			•							
Portage Creek (Monarch Pond, Kalamazoo 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>	▼	•	•	•	•	•	•	▼	•			

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 26-30 9-8 8-9 30 30 Type of fish **Water body** Chemical(s) Lake Michigan Watershed For water bodies that are not listed, read the Mercury Advisory on page 5. Portage Creek (Downstream of Carp **PCBs** Monarch Mill Pond, Kalamazoo Co.) Channel Catfish **PCBs PCBs** Largemouth Bass **Smallmouth Bass PCBs PCBs** All other species Portage Lake\* (Manistee Co.) Carp **PCBs** Largemouth Bass Mercury, PCBs Northern Pike **PCBs Smallmouth Bass** Mercury, PCBs **Rabbit River** Carp **PCBs** (Upstream of Hamilton Dam, Allegan Co.) Suckers Mercury Rabbit River (Downstream of Carp **PCBs** Hamilton Dam, Allegan Co.) Mercury, PCBs Largemouth Bass Northern Pike Mercury Red Cedar River (Ingham Co.) **PCBs** Carp Reed's Lake\* (Kent Co.) **PCBs** Largemouth Bass Northern Pike **PCBs** Walleye **PCBs Ruddiman Creek Lagoon** Carp **PCBs** (Muskegon Co.) Largemouth Bass **PCBs** Round Lake\* (Marguette Co.) Northern Pike Mercury Selkirk Lake\* (Allegan Co.) Yellow Bullhead Mercury St. Joseph River (Downstream **PCBs** Carp of Berrien Springs, Berrien Co.) Smallmouth Bass **PCBs** Walleye **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 10-12 22-26 26-30 8-9 9-8 30 30 Type of fish **Water body** Chemical(s) Lake Michigan Watershed For water bodies that are not listed, read the Mercury Advisory on page 5. Carp **PCBs** St. Joseph River (Including Chapin Lake, upstream of Berrien Mercury, PCBs Largemouth Bass Springs, Berrien Co.) Smallmouth Bass **PCBs** St. Joseph River Carp **PCBs** (Upstream of Constantine, St. Joseph Co.) Channel Catfish **PCBs** Walleye **PCBs** St. Joseph River (Upstream of Carp **PCBs** Sturgis Impoundment, St. Joseph Co.) Largemouth Bass Mercury Stanley Lake\* (Iron Co.) Walleye Mercury Thornapple River Carp **PCBs** (Barry, Kent & Eaton Co.) Torch Lake\* **Brown Trout PCBs** (Antrim Co.) Mercury, PCBs, Lake Trout Chlordane Lake Whitefish PCBs, Dioxins Mercury, PCBs Smallmouth Bass Yellow Perch Mercury **Union Lake\*** Carp, Channel Catfish **PCBs** (St. Joseph R., Branch Co.) Unnamed Lake\* aka Northern Pike Mercury **Aligan Lake** Walleye Mercury (Baraga Co., T49N, R31W, S35) Yellow Perch Mercury Van Auken Lake\* Northern Pike Mercury (VanBuren Co.)

No eating restrictions.	Type of fish Chemical(s)    Six meals per year.									ome	en & Children									
One meal per month.					L	engt	h (iı	nche	es)					L	.eng	th (i	inch	es)		
Water body			8-9	3-10	0-12	2-14	4-18	8-22	2-26	6-30	30 +		-10	1.12	12-14	14-18	18-22	22-26	26-30	30 +
Water body					_			7	2	8	(-)	_	, a	,   +	+	1 +	7	16	Ŋ	(7)
Lake Michigan Waters	hed For water bodies that	at are not listed, read the M	ercury	Advis	ory o	on pag	je 5.													
Walloon Lake* (Charlevoix Co.)	Rock Bass																			
	Walleye	Mercury									V	Ш								
	Yellow Perch																			
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							•	•		П						•	•	
	Yellow Perch	Mercury			•	<b>•</b>	•					1		•	•	•				
White Lake* (Muskegon Co.)	Carp	PCBs	▼	V		V	▼	~	~	<b>V</b>	<b>V</b>	1	•	•	•	<b>•</b>	<b>•</b>	<b>•</b>	<b>•</b>	<b>•</b>
	Northern Pike	Mercury, PCBs							•	•	•	П								
	Smallmouth Bass	Mercury, PCBs										П				•				
	Walleye	Mercury, PCBs										П					•	•		
*All inland lakes,	Crappie	Mercury		V			<b>T</b>	V				1								
reservoirs, and impoundments	Largemouth and											П								
(mercury adviosry)	Smallmouth Bass	Mercury					•	🔻	🔻	•		Ш								
	Muskellunge	Mercury	1								▼	П								
	Northern Pike	Mercury	1						▼		▼	П				$\top$		•		
	Rock Bass	Mercury														•				
	Walleye	Mercury	$\top$	$\top$	T	$\top$	▼	▼	▼		▼	$\sqcap$	$\top$	$\top$	$\top$	•				
	Yellow Perch	Mercury								T										

No eating restrictions.		One meal per week.  Six meals per year												Women & Children																			
One meal per month.		meals per year.	Length (inches)  Length (inches)  Length (inches)  Length (inches)														Length (inches)								Length (inches)								
Water body	Type of fish	not 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 Superior Waters			ury Ac										-		_		-	N	7														
Lake Superior #	Brown Trout	PCBs	al y Ac	lvisoi	y	Age	<u>у.</u>					┰	т		$\blacksquare$	lacksquare		lacksquare		_													
Lake Superior #	Burbot	Mercury												A	Å	À	Ā			•													
	Chinook Salmon	PCBs	╀	1					×	×	A	╀╸	1																				
	Coho Salmon	PCBs	╁	-								╁	+		•	_	_	_		_													
	Lake Herring	PCBs										┪		Ť	Ť	Ť	•	Ť	Ť	Ť													
			╇								V	╀	┿	<b>  •</b>	<b>V</b>	Ť	<b>V</b>	Ť		<u> </u>													
	Lake Trout	PCBs, Chlordane, Mercury	╁		<b>A</b>						× ·	╁	+	<b>A</b>	<b>A</b>	<b>V</b>	V A	<b>V</b>		_													
	Rainbow Trout	PCBs	╀									╀	+						<b>  •</b>	_													
	Siscowet	Chlordane, PCBs, Dioxins						•	•	•	•						•	•	•	<b>♦</b>													
	Suckers	PCBs										▼		•	lacksquare	•	lacksquare	•		<b>V</b>													
	Walleye	Mercury							▼	▼	lacksquare	Τ								•													
	Whitefish	PCBs										▼		•	•	•	lacksquare	<b>V</b>	<b>T</b>	<b>V</b>													
Au Train Lake* (Alger Co.)	Northern Pike	Mercury									<b>V</b>																						
	Yellow Perch	Mercury				▼	▼								▼	•																	
Boston Pond* (Houghton Co.)	Yellow Perch																																
Carp Creek (Upstream of	Brook Trout	Mercury			▼	▼	▼	▼	▼	▼				•																			
Deer Lake, Marquette Co.)	Suckers	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>													
	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>	<b>♦</b>	<b>♦</b>	<b>•</b>	<b>♦</b>													
Carp River (Downstream	Brook Trout									lack							lack																
of Deer Lake, Marquette Co.)	Northern Pike	Mercury	$\top$						▼	▼		Τ																					
	Suckers	,																															
	All other species	Mercury	<b>•</b>	•	•	•	•	•	•	•	<b>♦</b>	•	•	•	•	<b>•</b>	<b>•</b>	•	•	<b>•</b>													
Chaney Lake* (Gogebic Co.)	Northern Pike	Mercury	十						▼	<b>♦</b>	<b>♦</b>	$\top$	T						<b>•</b>	<b>♦</b>													
	Yellow Perch	Mercury																															
Cisco Lake Chain*	Walleye		T									T																					

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

No eating restrictions.													Women & Children									
One meal per month.		eals per year.				Length (inches)																
		t eat these fish.	8-9	8-10	10-12	12-14	14-18	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)	9	κό	9	12	4	18	22	26	ñ		Ó	φ	9	12	4	18	22	26	36	
Lake Superior Watersh	ned For water bodies th	nat are not listed, read the Me	rcury A	dviso	ry on	page	5.															
Deer Lake* (Alger Co.)	Northern Pike	Mercury								<b>♦</b>	•									•	<b>♦</b>	
Deer Lake (Marquette Co.)	All species	Mercury	•	<b>•</b>	•	<b>♦</b>	<b>♦</b>	•	<b>♦</b>	<b>♦</b>	•	П	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>♦</b>	<b>•</b>	<b>♦</b>	
Duck Lake* (Gogebic Co.)	Walleye	Mercury						lacksquare	V	V		$\prod$										
Lake Gogebic* (Gogebic Co.)	Walleye	Mercury																				
Lake Independence* (Marquette Co.)	Northern Pike	Mercury									•	П										
Lake Le Vasseur* (Marquette Co.)	Northern Pike	Mercury							▼	<b>*</b>	•	П							•	<b>*</b>	•	
Langford Lake* (Gogebic Co.)	Walleye	Mercury	$\top$						<b>♦</b>	<b>♦</b>	•	П							<b>♦</b>	<b>•</b>	<b>♦</b>	
Pomeroy Lake* (Gogebic Co.)	Walleye	Mercury	$\top$					▼	V	V		П										
Portage Lake* (Houghton Co.)	Brown Trout	PCBs	$\top$									П					V	V				
	Walleye	Mercury, PCBs							•	lacksquare		П										
Silver Lead Creek (Marquette Co.)	Brook Trout	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>		П	<b>V</b>	•	•	•	•	•	▼	▼		
Siskiwit Lake* (Isle Royale)	Lake Trout	PCBs										П							▼	▼		
	Lake Whitefish	PCBs										П	<b>T</b>	lacksquare	lacksquare	lacksquare	lacksquare	•	▼	▼		
Tahquamenon River (Luce Co.)	Walleye	Mercury					•	▼	▼	▼	▼	П					•	•	•	•	•	
Teal Lake* (Marquette Co.)	Smallmouth Bass	Mercury						▼	<b>V</b>	▼		П					lacksquare				П	
	Walleye	Mercury						▼	•	▼	▼	П					lacksquare					
Thousand Island Lake* (Gogebic Co.)	Walleye	Mercury					<b>A</b>	▼	▼	▼	▼	П					<b>A</b>	•	•	•	•	
Torch Lake* (Houghton Co.)	Northern Pike	Mercury, PCBs									•	$\dagger \dagger$							▼	▼		
	Smallmouth Bass	Mercury, PCBs	$\top$	T				•	•	<b>T</b>		$\dagger \dagger$					<b>V</b>			•	П	
	Walleye	Mercury, PCBs	+	$\vdash$					•	•	•	$\dagger \dagger$						<b>T</b>	•	•	•	

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

No eating restrictions.	<b>▼</b> One	meal per week.			Gen	eral	Pop	pula	atior	1				1	Wor	nen	& (	Chile	drer	1	
One meal per month.		neals per year.		Length (inches)							Length (inches)										
		ot eat these fish.	8-9	8-10	10-12	12-14	14-18	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)	_					18	52	26	ñ		ဖ	ώ	9	12	4	18	22	76	) M
Lake Superior Watersh	1ed For water bodies	that are not listed, read the Me	cury #	Advisc	ry on	page	5.														
*All inland lakes,	Crappie	Mercury																			
reservoirs, and impoundments (mercury advisory)	Largemouth and Smallmouth Bass	Mercury					•	▼	▼	▼							•	•	•	•	
(	Muskellunge	Mercury										П									
	Northern Pike	Mercury								•		П									
	Rock Bass	Mercury		<b>T</b>								$\prod_{i}$		•	•						Г
	Walleye	Mercury						•		•		П									
	Yellow Perch	Mercury										П			•						$\top$

Updated June 2009. 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.

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Michigan Department of Community Health



Jennifer M. Granholm, Governor Janet Olszewski, Director

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