

2011-2012 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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Questions?

Please contact the Michigan Department of Community Health

1-800-648-6942 or www.michigan.gov/eatsafefish



About the Michigan Fish Advisory

Some of our lakes and rivers are polluted with toxic chemicals, like PCBs, dioxins and mercury. Over the years, chemicals in the lakes and rivers can build up in fish. When you eat a lot of these fish, the chemicals can build up in your body, too.

In this **Advisory** you will find lists of fish that have been tested for chemicals from lakes and rivers in Michigan.

Scientists at the Michigan Department of Community Health (MDCH) use the chemical test results for these fish to determine:

- ☑ the species and sizes of fish that are safe for people to eat,
- ✓ how often the fish can be eaten.

By using the *Michigan Fish Advisory,* you can see which fish have been tested for chemicals and are safer for you and your family to eat.



Fish fillets being prepped for testing at the MDCH Lab in Lansing, Michigan.

Other resources in this booklet...

Chemicals like PCBs and dioxin are stored in the fat of the fish. Following the **3Cs** (on page 4) can help you get rid of some of the chemicals that may be in your fish.

However, mercury is one chemical that can't be removed from fish. If a lake you fish in isn't listed in this *Advisory* booklet, use the *Statewide Mercury Advisory* (on page 5) to be sure you're choosing safe fish for you and your family to eat.

To learn more about the methods used for testing fish or the information in any of Michigan's advisories, please call MDCH at 1-800-648-6942.



Who should use the Michigan Fish Advisory?

- ✓ People who eat a lot of fish caught in Michigan.
- ✓ Pregnant women and families who have children under the age of 15
- People with serious health problems such as heart, thyroid or immune system issues



Fish are good for everyone to eat, but you need to choose your fish carefully. This *Advisory* has information about choosing safe fish to eat and is especially important if you and your family eat a lot of fish.



What can happen if we eat a lot of fish with chemicals in them?

The chemicals in fish won't make you sick right away. But the chemicals could cause health problems someday.

Not everyone will get sick from eating these chemicals. Some people may be fine after years of eating fish with these chemicals in them. Others may have health problems, like cancer or diabetes.



There is no way to know who might get sick and who won't from the chemicals in the fish. That is why it's best for everyone to make good choices and follow the *Advisory*.

Are there still health benefits to eating fish?

Yes! Eating fish is good for the entire family.

- Fish are not only rich in protein, vitamins and minerals, they are also low in saturated fat.
- ☑ Some fish, like sardines and salmon, have a lot of healthy oils called omega-3 fatty acids.
 - Omega-3 fatty acids are great for kids' and babies' growth and development. The benefits of these healthy oils can even be passed on to babies through breastmilk.
 - Studies by the American Heart Association have shown that eating just 3.5 ounces of fish high in Omega-3 fatty acids twice a week can help to reduce the risk of heart disease in adults.
 - These healthy oils may improve brain function in adults, too.

How much fish is in a "meal"?

The Michigan Department of Community Health uses the word "meal" when explaining how much fish is safe to eat.

☑ For adults: A **meal** is 8 ounces of uncooked fish, or 6 ounces of cooked fish (about the size of an adult's hand - large oval).

☑ For children: A **meal** is 4 ounces of uncooked fish, or 3 ounces of cooked fish (about the size of the palm of an adult's hand - small circle).



The Michigan Fish Advisory considers one meal of fish to equal 6 ounces for adults. That means even eating fish just once a week while following the *Michigan Fish Advisory* 'Eat Safe Fish' guidelines, will get you your maximum heart health benefits!

Get to know the

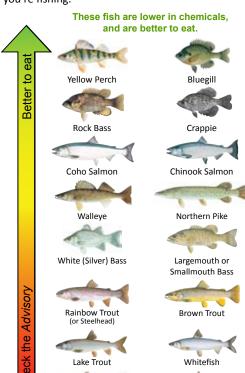




Choose

Going fishing?

Use the picture below to choose fish to catch that are generally safer for you and your family to eat. Be sure to check the Michigan Fish Advisory to find details about the lakes and rivers where you're fishing.



These fish are higher in chemicals.





Cleaning and cooking your fish the right way can remove up to half of the chemicals!

- ☑ Trim off the dark fatty tissue along the backbone, sides and belly. Most of the chemicals are stored in the fat, except for mercury. Mercury cannot be removed from fish. See page 5 for more information.
- ☑ Take out all organs, such as the liver and stomach. Do not eat the organs.





- ☑ Remove the skin or poke holes in it before cooking. This allows fat to drip off the fish.
- ☑ Cook the fish on a broiler pan or grill so that the fat can drip away through the grates.





Statewide Mercury Advisory

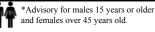
For fish caught in Michigan's inland lakes, reservoirs and impoundments not listed on pages 8-57 in this booklet.



For Men & Women*

Eat one meal or less per WEEK of **ONE** of the following:

- rock bass (over 9 inches long)
- vellow perch (over 9 inches long)
- crappie (over 9 inches long)
- largemouth bass (any size)
- smallmouth bass (any size)
- walleve (any size)
- northern pike (any size)
- muskellunge (any size)





For Women & Children**

Eat one meal or less per MONTH of **ONE** of the following:

- rock bass (over 9 inches long)
- vellow perch (over 9 inches long)
- crappie (over 9 inches long)
- largemouth bass (any size)
- smallmouth bass (any size)
- walleve (any size)
- northern pike (any size)
- muskellunge (any size)



**Advisory for boys and girls under the age of TP 15 and females ages 15-45 years old.



For information about mercury in fish you buy from restaurants or grocery stores, please see the Mercury Advisory for Store-bought or Restaurant Fish (available at www.michigan.gov/eatsafefish).

When fishing from the Great Lakes or Michigan rivers, use pages 8-57 in this booklet to find safe fish for you and your family to eat.

Visit www.michigan.gov/eatsafefish or call 1-800-648-6942 to request a free copy of the Michigan Fish Advisory.





How to use this Fish Advisory booklet

The *Michigan Fish Advisory* lists fish of different species and of different lengths that have been tested for chemicals from lakes and rivers in Michigan. 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 each of the pages. 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	page 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 *Advisory* list every lake, river and reservoir in Michigan?

Some water bodies may not be listed because:

 Fish from the lake or river have not been tested for chemicals.

Michigan has more than 11,000 lakes and 36,000 miles of rivers and streams in addition to the Great Lakes. Lakes and rivers are more likely to be selected for fish testing if the waterbody is suspected to have chemical contamination, has high recreational use or may provide useful environmental information.

 Fish from the lake in question have been tested but are covered by Statewide Mercury Advisory (see page 5).

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.	lacktriangle	One meal per week.
One meal per month.		Six meals per year.
	•	Do not eat these fish.

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/fishing.
- Longer lengths: Fish do not usually grow to this size.

Follow the *Statewide Mercury Advisory* (see 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 *Michigan Fish Advisory*, visit our website at www.michigan.gov/eatsafefish or call 1-800-648-6942.





▲ No eating restrictions.		al per week.			Ge	nera	l Pop	oulat	ion					W	omei	1 & C	hildi	ren		
One meal per month.		ls per year. at these fish.			L	engt	h (in	ches	5)						eng	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)	-		,	<u> </u>		 	14	- "	_	-			_		7	7	7	
Lake Erie Watershed For water	er bodies that are not listed, read the		_				1	1				_								
Lake Erie # (Includes North Maumee Bay)	Carp	Mercury, PCBs, Dioxins	*	•	•	•	•	•	•	*	*	•	•	•	•	•	•	•	•	•
	Catfish	PCBs, Dioxins	♦	•	•	•	•	•	•	•	♦	•	•	•	♦	♦	•	•	♦	♦
	Chinook Salmon	PCBs	Т																	
	Coho Salmon	PCBs																		
	Freshwater Drum	PCBs																		
	Lake Trout	PCBs																		
	Rainbow Trout (Including Steelhead)	PCBs			•		•	•	•	•				•	•	•	•	•	•	•
	Largemouth Bass and Smallmouth Bass	PCBs					A	A	A	A						•	•	•	•	
	Walleye	PCBs																	•	
	White Bass	PCBs										•	•							
	Whitefish	PCBs, Dioxins	▼	▼		▼	▼	▼	♦	•	♦	•	•	•	•	•	•	•	•	♦
	White Perch	PCBs										•		•	•					
	Yellow Perch	PCBs										V		•	▼	▼				
Barton Pond* (Huron River, Washtenaw Co.)	Carp	PCBs						A				•	V	•	•	•	•	▼	▼	•
Belleville Lake* (Huron River,	Carp	PCBs																		
Wayne Co.)	Gizzard Shad	PCBs																		
	Walleye	PCBs																		
	Suckers	PCBs																		
Black Creek (Lenawee Co.)	Carp	PCBs										•	•	•	•	•	•	•	•	

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

^{*} See Mercury Advisory on page 5.

No eating restrictions.		eal per week.	per year. t these fish. Chemical(s) Length (inches) Representation of the second o													1 & C	hildı	en		
One meal per month.		als per year.			L	.engt	h (in	ches	5)					l	_eng	th (ir	nche	5)		
			8-9	3:10	0.12	2-14	4-18	8-22	2-26	26-30	30 +	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body	Type of fish		_	_ ~	-	7	-	-	2	2	.,,	Ľ	"	7	1	-	=	5	2	ε.
Lake Erie Watershed For water	bodies that are not listed, read th	ne Mercury Advisory on page 5.									-	-	-							
Cass Lake* (Oakland Co.)	Smallmouth Bass	Mercury, PCBs					▼	▼	lacktriangle								•	•		
	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	♦	♦	♦	•	♦	♦	♦	♦	•	•	•	•	•	♦	•	•	•	•
	Freshwater Drum	Mercury, PCBs						▼	▼		V									
	Northern Pike	PCBs																		
	Sturgeon	Mercury, PCBs	♦	•	•	•	•	•	•	♦	♦	•	♦	•	•	•	♦	•	•	♦
	Suckers	PCBs										▼		▼	▼	▼				
	Walleye	PCBs														•				
	Yellow Perch	PCBs												▼	▼	▼				
	All Other Species	PCBs, Dioxins, Mercury	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Ford Lake* (Washtenaw Co.)	Black Crappie	PCBs																		
	Carp	PCBs										•	•							
	Channel Catfish	PCBs																		
	Walleye	PCBs																		
Geddes Pond	Carp	PCBs																		
Hudson Lake* (Lenawee Co.)	Carp	Mercury									V									
	Largemouth Bass	Mercury						•	•	lacksquare										

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^{*} See Mercury Advisory on page 5.

No eating restrictions.		neal per week.			Ge	nera	l Pop	ulati	ion					W	omei	n & C	Childı	re n		
One meal per month.		eals per year. t eat these fish.			L	.engt	h (in	ches)						Leng	th (ir	nches	s)		
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)	-					•		•••		-					-	10	10	
Lake Erie Watershed For water	r bodies that are not listed, read t	he Mercury Advisory on page 5.	_										1.							
Kent Lake* (Oakland Co.)	Black Crappie	Mercury, PCBs			V	V	V	M			\Box			•				Ļ		
	Carp	PCBs																		
	Largemouth and Smallmouth Bass	PCBs														▼	•	▼		
	Walleye	PCBs																		
Lake Orion* (Oakland Co.)	Carp	PCBs								♦	♦						V	▼	•	♦
	Largemouth Bass	Mercury	Г				▼	V				Т								
	Northern Pike	Mercury, PCBs										Т								
Lake St. Clair	Bluegill	PCBs										▼			lacksquare					
	Brown Bullhead	Mercury					▼													
	Carp	PCBs	♦	•	♦	•	♦	•	♦	♦	♦	*	•	•	♦	♦	♦	•	•	•
	Carpsucker	Mercury						lacksquare	lacksquare	lacksquare	▼		. 🔺							
	Channel Catfish	PCBs	Г			•	•	♦	•	•	•	Т			•	•	•	•	•	•
	Largemouth and Smallmouth Bass	Mercury, PCBs					▼	▼	▼	•						•	•	•		
	Northern Pike	Mercury																		
	Muskellunge	Mercury, PCBs									•									•
	Sturgeon	PCBs										Т								
	Walleye	Mercury, PCBs							lacksquare	lacksquare	▼	T			▼	▼	•	•		
	White Bass	Mercury, PCBs				▼	▼	lacksquare				•								
	White Perch	Mercury									\Box							\Box		
Lange-Revere Canals (Macomb Co.)	All Species	PCBs	*	*	•	•	•	•	*	*	♦	•	•	•	•	•	•	•	•	•

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^{*} 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 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.) (Livingston Co. & Washtenaw Co.) Portage Lake* Carp **PCBs** River Raisin (Upstream of Monroe Carp **PCBs** 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 **PCBs Smallmouth Bass PCBs** White Bass

River Raisin,

South Branch (Lenawee Co.)

Carp

Suckers

Northern Pike

PCBs

PCBs

PCBs

▲ No eating restrictions.		eal per week.	Ceneral Population Length (inches) Repair Repair											W	ome	n & (Child	ren		
One meal per month.		als per year.			L	eng	th (ir	nches	s)						Leng	th (ii	nche	s)		
		eat these fish.	ωρ	-10	512	2-14	1.18	1-22	2.56	-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)		8	7	7	7	1 8	52	26	ñ	9	&	10	12	14	18	52	79	3
Lake Erie Watershed For water	bodies that are not listed, read the	e Mercury Advisory on page 5.																		
Rouge River (Main or Upper Branch upstream of M-153/Ford Road, Wayne & Oakland Co.)	Suckers	PCBs	A	A	A	A	A	A	A	A	A	▼	V	•	•	•	•	•	•	▼
Rouge River (Phoenix Lake,	Bluegill	PCBs										▼								
Wayne Co.)	Carp	PCBs																		
	Northern Pike	PCBs											. 🔺							
	Suckers	PCBs																		
Rouge River (Newburgh Lake,	Carp	PCBs											•							
Wayne Co.)	Channel Catfish	PCBs									lack	Т								
	Largemouth Bass	PCBs	\top									Τ					•	•		
	Northern Pike	PCBs									lack	Т								
	Suckers	PCBs									lack	▼	V							
Rouge River	Carp	PCBs									♦									•
Middle Branch and Main Branch (Middle branch downstream	Catfish	PCBs	•	•	•	•	•	•	•	•	♦	*	•	•	•	•	•	•	•	•
of Newburgh Lake & main branch down- stream of M-153/Ford Rd, Wayne Co.)	Largemouth and Smallmouth Bass	PCBs					•	•	•	•						•	•	•	•	
	Northern Pike	PCBs	Т																	
	Rock Bass	PCBs											T							
	Suckers	PCBs											•							
	All other species	PCBs										•	•	•	•	•	•	•	•	•
Rouge River Lower Branch and Main	Carp	PCBs				A		A	A	•	*								•	•
Branch (Downstream of Ford Dam)	Suckers	PCBs					•	•	•	•	♦					•	♦	•	•	•
South Lake* (Washtenaw Co.)	Northern Pike	Mercury									♦	Τ								•
Terry Lake* (Oakland Co.)	Carp	PCBs									lack		V							

No eating restrictions.		eal per week.	General Population Length (inches)											W	/ome	n & (Child	ren		
One meal per month.		eals per year.			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					•	▼	•	▼			A			•	•	•		
	Gizzard Shad	Mercury, PCBs			V		•	V				▼		•	•	•	•			
	Walleye	Mercury, PCBs							lacksquare	lacksquare										· •
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	hildr	en		
One meal per month.		ls per year. at these fish.			L	.engt	h (in	ches		Щ		L	engl	h (ir	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	7	7	
Lake Huron Watershed For wa	ı		-		l A	L A	l A					-	-				l A			
Lake Huron #	Brown Trout	PCBs	<u> </u>	<u> </u>	_			V	V			4_	_				•	•		
(For species not listed follow	Burbot	PCBs												V	V	V	V	V		$oldsymbol{\Delta}$
Saginaw Bay advisory below)	Chinook Salmon	PCBs	┸									┸								
	Coho Salmon	PCBs																		
	Lake Trout	PCBs, Dioxins					▼	▼	▼	•	•					•	•	•	•	•
	Rainbow Trout (Including Steelhead)	PCBs			A		A							•	•	•	•	•	•	•
	Whitefish	PCBs, Dioxins						V	♦	♦	♦	┪	T	▼	▼	V	♦	♦	•	♦
	All other species	PCBs, Dioxins	▼	•	▼	▼	▼	lacksquare	lacksquare	lacksquare	lacksquare	•					•	•		
Saginaw Bay #	Carp, Catfish	PCBs, Dioxins	♦	•	♦	♦	♦	♦	♦	♦	♦	•	•	♦	♦	♦	♦	♦	♦	♦
Lake Huron	Freshwater Drum	PCBs										▼	T	▼	V	V	▼	▼		$\overline{\mathbf{V}}$
(For all other species follow	Smallmouth Bass	PCBs, Dioxins	Т				▼	lacksquare	lacksquare			Τ				♦	♦	♦	•	
Lake Huron advisory above)	Walleye	PCBs, Mercury, Dioxins					A	•	•	•	▼					•	•	•	•	•
	White Bass	PCBs, Dioxins	♦	♦	♦	•	•	•				•	•	♦	♦	♦	♦			
	Yellow Perch	PCBs										▼	T	▼	▼	V				
Thunder Bay # (Also follow	Carp	PCBs, Dioxins						♦	♦	♦	♦	▼		•	•	•	♦	•	•	•
Lake Huron advisories above)	Walleye	PCBs	T									T				lacksquare	▼	•		
Au Sable River (At Oscoda,	Carp	PCBs	▼	▼	▼	▼	▼	V	V	V	lacksquare	•	•	♦	♦	♦	♦	♦	♦	♦
losco Co.)	Walleye	Mercury, PCBs	T							T	▼	T				•	•	•		
Au Sable River (Between Alcona & Mio Dams, Alcona & Oscoda Co.)	Walleye	Mercury	T				•	•	•	•	▼					•	•	•	•	•
Bad River (Gratiot & Saginaw Co.)	Carp	PCBs							V	V	V	▼		•	▼	V		•		
	Channel Catfish	PCBs	Т									Т			▼	▼	•	•	•	•
	Northern Pike	PCBs										T						▼		▼

[#] Also applies to connecting rivers where fish may be caught.
* See Mercury Advisory on page 5.

No eating restrictions.One meal per month.		meal per week. eals per year.				enera Lengt											Childr nches			
· 		ot eat these fish.		T	$\overline{}$		_	_	_	l g	1	F	T	$\overline{}$	$\overline{}$	T	$\overline{}$	Ť	Te	T.
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	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										1								
Burt Lake* (Cheboygan Co.)	Walleye	Mercury						V	•	•	V							•		
Cass River (Downstream of Bridgeport, Saginaw Co.)	Carp	PCBs, Dioxins	▼	•	•	•	▼	•	•	•	▼		• •	•	•	•	•	•	•	•
	Channel Catfish	PCBs, Mercury, Dioxins					•	•	•	•	•				•	•	•	•	•	•
	Northern Pike	PCBs							A									•	•	•
Cass River (Upstream of	Carp	PCBs									lack			1	•	•		•	•	•
Bridgeport, Saginaw Co.)	Northern Pike	Mercury	T _							•	▼	1	7_	Τ_	Τ_	Τ_	<u> </u>		•	•
Cass River	Carp	PCBs									lack	1	7	T	T	V	▼	▼	▼	▼
(Upstream of Caro Dam, Tuscola Co.)	Sucker	Mercury										1								•
Cheboyganing Creek	Carp	PCBs	▼	T	▼	▼	▼	▼	•	•	*	T			•	•	•	•	•	•
(Saginaw Co.)	Northern Pike	PCBs	\top									十	\top	\top	1	\top				
Chippewa River (Midland Co.)	Suckers	PCBs										1	7	1 ▼				▼	▼	▼
Ess Lake* (Montmorency Co.)	Northern Pike	Mercury	1_							•	▼	1	\top	†_	Τ_	Τ_	<u> </u>	T	•	•
Five Lakes* (Clare Co.)	Largemouth Bass	Mercury						▼	▼	V		1	\top	\top			•		•	
Flint River (Downstream of Flint,	Carp	PCBs									•				•	•	•	•	•	•
Genesee Co.)	Smallmouth Bass	PCBs	\top									T		\top	\top	T	•	▼	▼	
Frenchman Lake* (Chippewa Co.)	Northern Pike	Mercury	T							•		T						▼	•	•
Gaylanta Lake* (Montmorency Co.)	Northern Pike	Mercury	T						A	•	▼	T			\top		\top	▼	•	•
Holloway Reservoir* (Flint River, Genesee Co.)	Channel Catfish	PCBs	\top									T		T	_	V	V	•	•	•

PCBs

PCBs

Carp

Northern Pike

Kawkawlin River (Bay Co.)

^{*} 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 wa	ater bodies that are not listed, rea	d the Mercury Advisory on page 5.																		
Kearsley Reservoir*	Carp	PCBs										•	4							
(Genesee Co.)	Largemouth Bass	Mercury																		
Lake Emma* (Presque Isle Co.)	Northern Pike	Mercury									V	•	4 V							
Lake Esau* (Presque Isle Co.)	Smallmouth Bass	Mercury																		
Lake Ponemah* (Genesee Co.)	Carp	PCBs										•	1							
	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			A			A	A	A	A	1	7	' ▼	•	•	•	•	'	
Pine River*(Downstream of Alma dam, Gratiot & Midland Co.)	All Species	PBBs, DDT	*	•	•	•	•	•	•	•	*	1	*	•	•	•	•	•	•	•
Rifle River (Arenac & Ogemaw Co.)	Rock Bass																			
	Suckers	PCBs													▼	▼	▼			\top
Saginaw River (Entire Length,	Carp, Catfish	PCBs, Dioxins	♦	•	•	•	♦	•	•	♦	♦	1	•	•	•	♦	•	•	*	•
Bay & Saginaw Co.)	Smallmouth Bass	PCBs, Dioxins						▼	▼	•		Т				•	•	♦	•	
	Walleye	PCBs, Mercury, Dioxins						•	•	•	•					•	•	•	•	•
	White Bass	PCBs, Dioxins	•	•	•	•	•	•				4	•	•	•	•	•			
	All other species	PCBs, Dioxins	▼	▼	▼	▼	▼	▼	▼	▼	lacksquare									
Sanford Lake* (Midland Co.)	Black Crappie																			
	Channel Catfish	Mercury, PCBs	Т							▼	lacksquare	Т				•				
	Rock Bass																		\top	

No eating restrictions.One meal per month.	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	▼	V					•	•			
Sebawaing River (Huron Co.)	Carp	PCBs									lack	▼		~	•					
	Northern Pike	PCBs									lack							•	•	
Shiawassee River	Carp	PCBs														•				
(Downstream of Owosso, Shiawassee Co.)	Rock Bass	PCBs										T		T	•	•				
	Smallmouth Bass	PCBs										Т				•		▼	▼	
Shiawassee River	Carp	PCBs	▼	V	▼	V	▼	V	•	•	•							•	♦	♦
(Byron to Owosso, Shiawassee Co.)	Northern Pike	PCBs																		
Chiamana Dinan C. Du	Smallmouth Bass	PCBs									П									
Shiawassee River S. Br. (M-59 to Byron; Shiawassee, Livingston Co.)	All other species	PCBs	*	•	•	•	•	•	•	•	•	•	•	•	•	•	•	*	•	*
Stevenson Lake*(Isabella Co.)	Bullhead	Mercury				V	V	V	V	V	V	V		V						•
Tawas River (losco Co.)	Northern Pike	PCBs									lack	Ť						V	V	V
Thompson Lake*	Black Crappie	PCBs				•	V	V												
(Livingston Co.)	Carp	PCBs						•	lacksquare	•	♦	▼		•				•	•	♦
	Northern Pike	Mercury, PCBs							V	V		Τ								
Thread Creek and Thread Creek	Carp	PCBs		A			A	A	A	A		•	•	•	•	•	•	•	•	•

Impoundment* (Genesee Co.)

▲ No eating restrictions.		eal per week.	General Population Length (inches)											W	omei	n & C	hildı	en		
One meal per month.		als per year.			L	.engt	h (in	ches	5)						Leng	th (ir	nche	s)		
Water banks		◆ Do not eat these fish. e of fish Chemical(s) Chemical(s)											8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body	••		-									-			,	-	_	1 7	~	
Lake Huron Watershed For w	ater bodies that are not listed, rea	d the Mercury Advisory on page 5.	-	_			_			_		-	-	-						
Tittabawassee River	Carp, Catfish	PCBs, Dioxins	♦	•	♦	•	•	♦												
(Downstream of Midland; Midland & Saginaw Co.)	Smallmouth Bass	PCBs, Dioxins														♦	♦	♦	♦	
ouginaw oo.)	Walleye	PCBs, Mercury,									lacksq						•	•		•
		Dioxins	ı					<u> </u>	Ĭ .	`		1					ľ	ľ		ľ
	White Bass	PCBs, Dioxins	•	•	•	•	•	•				•	•	•	•	•	•			
	All other species	PCBs, Dioxins										•								
Tobico Marsh* (Bay Co.)	Carp	PCBs																		V
	Northern Pike	PCBs																		V
Wixom Lake*(Gladwin Co.)	Northern Pike	Mercury									lacksquare							•		
Van Etten Lake* (losco Co.)	Carp	PCBs										•								
	Channel Catfish	PCBs																		
	Walleye	Mercury, PCBs					▼	▼	▼	•		Т					•			
*All Inland lakes,	Crappie	Mercury		▼	▼	▼	▼	▼								•	•			
reservoirs, and impoundments (mercury advisory)	Largemouth and Smallmouth Bass	Mercury					•	•	•	▼						•	•	•		
,	Muskellunge	Mercury																		
	Northern Pike	Mercury							▼	▼	lacksquare	Г								
	Rock Bass	Mercury		▼	▼	▼	▼													
	Walleye	Mercury						▼	▼	▼	V	Τ								
	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** PCBs, Chlordane, Dioxins Lake Trout Rainbow Trout **PCBs** (Including Steelhead) • **V** Smelt **PCBs PCBs** Sturgeon Mercury, PCBs Walleye PCBs, Dioxins Whitefish Yellow Perch **PCBs** Lake Michigan South **PCBs Brown Trout** of Frankfort # Carp, Catfish **PCBs** Chinook Salmon **PCBs** Coho Salmon **PCBs** PCBs, Chlordane, Dioxins Lake Trout 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	enera	l Pop	oulat	ion					W	ome	n & C	Child	ren		
One meal per month.		als per year. eat these fish.				Lengt	lh (in	ches	5)						Leng	th (iı	nche	s)		
			8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	- 89	8-10	10-12	12.14	14-18	18-22	22-26	26-30	30 +
Water body	Type of fish	Chemical(s)	_			-			"	7		_			-		7	7	7	(1)
Lake Michigan Watershed F	or water bodies that are not listed,	read the Mercury Advisory on page 5	i.			1		ı	ı			-	-							
Green Bay #	Brown Trout	PCBs, Dioxins			\blacksquare			•	•	•	*						•	•	•	♦
(S. of Cedar River. Applies to	Burbot	PCBs									lack									V
Michigan waters including Menominee and Cedar rivers	Carp	PCBs, Dioxins	▼	▼	▼	▼	▼	▼	▼	•	♦								•	♦
below first dam. See also Lake Michigan-	Channel Catfish	PCBs	Т			T	▼	▼	V	•	V	Т								
North of Frankfort)	Chinook Salmon	PCBs	Т								lack	Т								
	Lake Trout	PCBs, Dioxins						•	•	•	♦	T					•	•	•	♦
	Northern Pike	PCBs									lack							•		
	Rainbow Trout (Including Steelhead)	PCBs			A									•	•	•	•	•		•
	Smallmouth Bass	Mercury, PCBs						▼	▼	▼		Т								
	Splake	PCBs	П		▼		▼	♦	•	•	♦	Т					•	•	•	♦
	Sturgeon	PCBs									♦	Т								♦
	Suckers	PCBs							▼	•	lacksquare									
	Walleye	Mercury, PCBs	Т					▼	lacksquare	▼	lacksquare	Т							•	♦
	White Bass	PCBs	♦	♦	•	♦	♦	♦				•	•	♦	♦	•	♦			
	Whitefish	PCBs, Dioxins	▼				•	♦	•	•	♦	•	•	•	•	•	•	•	•	♦
	White Perch	PCBs	♦	•	•	•						•	•	•	•				Г	
	Yellow Perch	PCBs										_	′ ▼	▼	▼	▼				
Little Bay de Noc #	Burbot	PCBs									lack								•	V
(See also Lake Michigan North of Frankfort)	Carp	PCBs	▼	•			▼			•	•								•	♦
Trankiorty	Northern Pike	PCBs																		
	Smallmouth Bass	Mercury, PCBs	Т					▼	▼	▼		Т				▼				
	Suckers	PCBs	▼							•	V	•								

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

* See Mercury Advisory on page 5.

No eating restrictions.	<u>—</u>	meal 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									lacksquare							\blacksquare		
	Walleye	Mercury									lacksquare									
Austin Lake* (Kalamazoo Co.)	Largemouth Bass	Mercury																		
Barton Lake* (Kalamazoo Co.)	Carp	PCBs																		V
Battle Creek River	Carp	PCBs																		
(Calhoun Co.)	Smallmouth Bass	PCBs																		
Bear Lake* (Muskegon Co.)	Carp	PCBs									♦								•	•
	Largemouth Bass	Mercury, PCBs						▼				Т								
	Northern Pike	PCBs																_		
	Walleye	Mercury, PCBs						▼			V					•	•			
Black Creek (Muskegon Co.)	Carp, Suckers	PCBs														•		•		
Black River, South Branch (Upstream of Bangor, VanBuren Co.)	Carp	PCBs	A	A	•	•	•	•	•	•	•	•	•	•						
Black River (VanBuren Co.	Carp	PCBs	*	•	♦	♦	♦	♦	♦	♦	♦	*	•	♦	♦	♦	♦	♦	♦	♦
including all branches except S. Br. upstream of Bangor)	Northern Pike	PCBs																•		
,	Suckers	PCBs										▼					•	•	lacksquare	lacksquare
Boot Lake* (Schoolcraft Co.)	Walleye	Mercury							lacksquare	V	V	Т					V	•		
Boyne River (Charlevoix Co.)	Brown Trout	PCBs										Т	T							
Camp Lake* (Kent Co.)	Largemouth Bass	Mercury						•	V	•		Т								
Craig Lake* (Baraga Co.)	Northern Pike	Mercury	П						V	V	♦	Т								•
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														V	lacksquare	V		lacksquare

▲ No eating restrictions.	<u>—</u>	meal per week.			Ge	nera	l Pop	pulat	ion					W	ome/	n & (Child	ren		
One meal per month.		neals per year.			L	_engt	th (in	nches	s)						Leng	th (i	nche	s)		
		ot 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	-	-	7	5	5	۳			1	12	1 7	1 %	52	76	۳ ۳
Lake Michigan Watershed Fo	or water bodies that are not lis	ted, read the Mercury Advisory on page	5.									Ļ	_		_	_				
Elk Lake* (Antrim Co.)	Brown Trout	Mercury, PCBs																		
	Lake Trout	Mercury, PCBs								V	V					V				
Escanaba River (Marquette Co.) - East Branch	Brook Trout	Selenium	•	•	•	▼	•					•	'	V						
(upstream of Gwinn including Warner Creek, Goose Lake Outlet, Goose Lake Inlet, Schweitzer Creek, Ely	White Sucker	Selenium	▼	•	•	•	•				Ш	▼	′ ▼	′ ▼	▼	▼				
Creek and other tributaries) - Green Creek (from the Empire Tailings dam to the Middle Branch of the River) - Middle Branch (from Gwinn to Cataract Dam)																				
Fawn River (St. Joseph Co.)	Carp	PCBs																		
	Smallmouth Bass	Mercury						•	T	▼	П							•	•	\Box
Flat River (Upstream of Greenville,	Carp	PCBs									lack							•		
Montcalm Co.)	Rock Bass										П									П
Flat River (Downstream of	Carp	PCBs									lack				•		•	•		
Greenville; Montcalm, Ionia & Kent Co.)	Rock Bass	PCBs										_	7	'	•	▼				
	Suckers	PCBs												. 🛕		▼	▼	•		
Fenner Lake* (Allegan Co.)	Carp	PCBs										V	1 V	'	~	•	•	•		
Fremont Lake* (Newaygo Co.)	Carp	PCBs										V	1 \(\neq \)	′ ▼	▼	•	▼	•	▼	
Galien River (Berrien Co.)	Carp	PCBs																*	•	•
Glen Lake* (Leelanau Co.)	Lake Trout	Mercury, PCBs, Chlordane						A	•	•	•					•	•	•	•	•
	Rainbow Trout	PCBs	1									1								
Goose Lake* (Marquette Co.)	Northern Pike	PCBs, Selenium	Т																	
	Walleye	PCBs										T					_			
	Yellow Perch	PCBs							T		П	V	1 ▼	′ ▼	▼	T		<u> </u>	†	Ť
	White Sucker	PCBs, Selenium	•		•															

^{*} See Mercury Advisory on page 5.

One meal per month. Water body Lake Michigan Watershed For w	Do not e	als per year. eat these fish.			L	engt	h (in	chac	1					-				`		
	Type of fish					crigu	11 (111	CHES	7					L	.engt	h (in	ches	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 +
Latto iniciligani matoronica ici		Chemical(s)			-	-	-	-	7	7			00	-	-	7	-	7	7	, ,,
Grand River	Carp	PCBs										T								
, (Upstream of Webber Dam; Ionia, Clinton,	Channel Catfish	PCBs	╁═	 	_							 			V	V	•	•	•	Ŏ
Eaton, Ingham & Jackson Co.)	Northern Pike	PCBs	T									T						V	T	V
	Suckers	PCBs										•		•			•			
	Walleye	PCBs	Т													▼	lacksquare	T	▼	lacksquare
Grand River	Carp	PCBs									lack	•		•			•	•	•	•
(Downstream of Webber Dam; Ionia, Kent, & Ottawa Co.)	Channel Catfish	PCBs	T														•			•
a Ottawa Co.)	Northern Pike	PCBs																	_	V
	Suckers	PCBs									一	•					•			
	Walleye	PCBs																		•
Green Lake*(Grand Traverse Co.)	Lake Trout	Mercury, PCBs									▼						•			
Greenwood Reservoir* (Escanaba River, Marquette Co.)	Northern Pike	Mercury							•	•	•							•	•	*
Gull Lake* (Kalamazoo Co.)	Northern Pike	Mercury, PCBs								•	▼									
Hess Lake* (Newaygo Co.)	Carp	PCBs									lack								V	V
Higgins Lake* (Roscommon Co.)	Lake Trout	Mercury, PCBs, Chlordane									•			•	•	•	•	•	•	*
Houghton Lake*(Roscommon Co.)	Carp	PCBs																		V
Kalamazoo River* (Ceresco Impoundment, Calhoun Co.)	Carp Smallmouth Bass	PCBs Mercury					▲	▲	▲	▲		•	•	•		•	•	•	•	
Kalamazoo River (From Battle	Carp	PCBs									lack						•	•		
Creek to Morrow Pond Dam, Calhoun & Kalamazoo Co.)	Channel Catfish	PCBs										•	•	•		•	•	•	•	•
	Smallmouth Bass	PCBs																	•	
Kalamazoo River (From Morrow	Carp	PCBs, Dioxins	*	•	•	•	•	•	•	•	♦	♦	•	•	•	♦	♦	♦	♦	*
Dam to Allegan Dam, Kalamazoo & Allegan Co.)	Catfish, Suckers	PCBs	•	•	•	•	•	•	•	•	♦	♦	•	•	•	•	♦	♦	♦	♦
	Largemouth and Smallmouth Bass	PCBs					•	•	•	•						♦	•	♦	•	
	All other species	PCBs	▼	▼	lacksquare	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. 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	l Pop	pulat	ion					W	ome	n & (Child	ren		
One meal per month.		eals per year.			L	engl	th (ir	nches	5)					1	Leng	th (i	nche	s)		
		t 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)			<u>_</u>		-	 	6	7		Ľ	®	7	<u> </u>	7	7	5	7	<u>۳</u>
Lake Michigan Watershed Fol	r water bodies that are not liste	d, read the Mercury Advisory on page 5	5.																	
Manistique River (Downstream	Carp	PCBs	•	•	♦	♦	•	•	♦	•	♦	•	•	•	♦	♦	♦	♦	•	♦
of Manistique Papers Dam, Schoolcraft Co.)	Channel Catfish	PCBs																		
	Rock Bass	Mercury, PCBs										•								
	Smallmouth Bass	PCBs																		
	Suckers	PCBs										•								
	Walleye	Mercury, PCBs							lacksquare								lacksquare			
Maple River (Clinton, Gratiot, & Ionia Co.)	Carp	PCBs			•							A						▼		▼
Menominee River	Carp	Mercury, PCBs	▼	•	•	•	•	•	V	•	V	•	•				•	•	•	
(Between Quinnesec & 1st Dam, Dickinson & Menominee Co.)	Sturgeon	Mercury, PCBs																		
	Suckers	Mercury, PCBs						▼		V	▼									
	Walleye	Mercury, PCBs						▼	▼	▼	lacksquare	Т								
Michigamme River	Burbot	Mercury							V	V	V									
System* (Including Lake Michigamme, Michigamme Reservoir, Peavy	Northern Pike	Mercury	Г						▼	▼	V	Т								
Pond, and Paint River Pond; Iron & Dickinson Co.)	Suckers	Mercury						▼	▼	▼	▼							•	•	
Dickinson Go.)	Walleye	Mercury					▼	•	•	•	♦						•	•	•	•
Mona Lake* (Muskegon Co.)	Carp	PCBs									lack	▼		▼	•	•	▼		•	
	Smallmouth Bass	PCBs										Τ							•	
	Walleye	PCBs									lack					•			•	•
Morrison Lake* (Ionia Co.)	Carp	PCBs									lack								▼	•
	Largemouth Bass											Т								
Muskegon Lake*	Carp	PCBs, Chlordane									♦	•	•							•
(Muskegon Co.)	Largemouth Bass	Mercury, PCBs					▼	▼		•		Т						•		
	Northern Pike	PCBs										1						•		•
	Smallmouth Bass	Mercury, PCBs					▼	•	▼	•										
	Walleye	Mercury, PCBs																	•	

No eating restrictions.One meal per month.		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	ed, read the Mercury Advisory on page 5.																		
Muskegon River	Carp	PCBs, Chlordane									♦	•								♦
(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						lacksquare	lacksquare		V									
(Leelanau Co.)	Suckers	PCBs										▼						\blacksquare		lacksquare
North Manistique Lake*	Walleye	Mercury							▼	lacksquare						▼	lacksquare			
(Luce Co.)	Yellow Perch																			
Paint Lake* (Iron Co.)	Northern Pike	Mercury									▼	Т						•	▼	
Palmer Lake* (St. Joseph Co.)	Largemouth Bass	Mercury						▼	▼	lacksquare		Т								
Paw Paw River (Maple Lake,	Carp	PCBs																V		V
Van Buren Co.)	Largemouth Bass	Mercury						▼	▼	lacksquare		Т								
Pere Marquette Lake*	Northern Pike	PCBs																		
(Mason Co.)	Suckers	PCBs										•								
Pere Marquette River	Brown Trout	Mercury, PCBs									lacksquare									
(Including Baldwin and all other Tributaries; Lake & Mason Co.)	Suckers	PCBs			•			•	•			•	•	•	•	•	•	•	•	
Pigeon River	Smallmouth Bass	Mercury, PCBs						•	•	V		Т				•				
(St. Joseph Co.)	Suckers	PCBs										▼	•	•	•	•	•	•	•	V
Platte Lake* (Benzie Co.)	Channel Catfish	PCBs									lack	•								
	Largemouth and Smallmouth Bass	Mercury, PCBs					▼	▼	▼	•						•	•	•	•	
	Northern Pike	Mercury, PCBs							▼	•	▼							•	•	•
	Rock Bass	Mercury			V	V	V					▼	V		•	•				
Portage Creek (Monarch Pond, Kalamazoo Co.)	Carp	PCBs	A	A	A	A	A	A	A			•	•	•	•	•	•	•	•	•

One meal per week.

No eating restrictions.

No eating restrictions.		meal per week.			Ge	nera	l Pop	oulat	ion					W	ome	n & C	hild	ren		
One meal per month.		eals per year. ot eat these fish.			L	Leng	th (ir	ches							Leng	th (ir	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 list	ed, read the Mercury Advisory on page	5.																	
Portage Creek (Downstream of	Carp	PCBs										T								
Monarch Mill Pond, Kalamazoo Co.)	Channel Catfish	PCBs				•	•	•	•	♦	♦				•	•	•	•	•	•
	Largemouth Bass	PCBs					•	•	•	•		Т				•	♦	•	•	
	Smallmouth Bass	PCBs					•	•	•	•		Т				♦	♦	•	•	
	All other species	PCBs	▼						▼	▼	lacksquare	•	•	•	•	•	•	•	•	•
Portage Lake* (Manistee Co.)	Carp	PCBs											. 🔺							
	Largemouth Bass	Mercury, PCBs							▼			Т								
	Northern Pike	PCBs	Т									Т								
	Smallmouth Bass	Mercury, PCBs					▼	▼	▼	▼		Т								
Rabbit River	Carp	PCBs									lack									
(Upstream of Hamilton Dam, Allegan Co.)	Suckers	Mercury						▼	V	V	▼		. 🔺					•	•	
Rabbit River (Downstream of	Carp	PCBs	▼	▼	~		T	T	V	V	lacksquare									
Hamilton Dam, Allegan Co.)	Largemouth Bass	Mercury, PCBs							▼	▼	lacksquare	Т								
	Northern Pike	Mercury							▼	▼	▼	T						•		
Red Cedar River (Ingham Co.)	Carp	PCBs											'	_	_	V	•	•	•	
Reed's Lake* (Kent Co.)	Largemouth Bass	PCBs														V	▼	▼		
	Northern Pike	PCBs										Т								
	Walleye	PCBs										Т				V	•			
Round Lake* (Marquette Co.)	Northern Pike	Mercury							♦	♦	♦	Т						•	♦	•
Ruddiman Creek Lagoon	Carp	PCBs								•	♦								•	•
(Muskegon Co.)	Largemouth Bass	PCBs															▼	▼		
Selkirk Lake* (Allegan Co.)	Yellow Bullhead	Mercury			•	•	•													
St. Joseph River (Downstream	Carp	PCBs	•					V	V	V	V	•	•	♦	•	♦	♦	♦	•	•
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 (in	nches	5)					ı	Leng	th (ir	nches	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)	_	80	7	-	-	~~	5.	2	°	L	- ®	=	<u> </u>	7	<u>۳</u>	52	76	3
Lake Michigan Watershed F	or water bodies that are not listed, r	read the Mercury Advisory on page 5.																		
St. Joseph River (Including	Carp	PCBs																		
Chapin Lake*, upstream of Berrien Springs, Berrien Co.)	Largemouth Bass	Mercury, PCBs						V	V	V		上	_	igspace	$oxed{oxed}$					
	Smallmouth Bass	PCBs																	•	
St. Joseph River (Upstream of Constantine, St. Joseph Co.)	Carp	PCBs									V								♦	♦
(Opstream of Constantine, St. Joseph Co.)	Channel Catfish	PCBs															•			V
	Walleye	PCBs										上			<u> </u>	V	V	V	V	V
St. Joseph River (Upstream of	Carp	PCBs																	♦	♦
Sturgis Impoundment, St. Joseph Co.)	Largemouth Bass	Mercury							V	V						V				
Stanley Lake* (Iron Co.)	Walleye	Mercury										Т								
Thornapple River (Barry, Kent & Eaton Co.)	Carp	PCBs	A		A	A	A	A	A	A	A	▼	▼	•	▼	•	•	•	•	•
Torch Lake*	Brown Trout	PCBs													▼	•			•	
(Antrim Co.)	Lake Trout	Mercury, PCBs, Dioxins					•	•	•	•	♦					•	•	•	•	♦
	Lake Whitefish	PCBs, Dioxins										7	V	V	V	V	♦	•	•	♦
	Smallmouth Bass	Mercury, PCBs																		
	Yellow Perch	Mercury																		
Union Lake* (St. Joseph R., Branch Co.)	Carp, Channel Catfish	PCBs		A	A	A	A			A	A	▼	•	•	•	•	•	•	▼	•
Unnamed Lake* aka	Northern Pike	Mercury							•	•	♦							•	•	♦
Aligan Lake	Walleye	Mercury							•	•	•							•	•	♦
(Baraga Co., T49N, R31W, S35)	Yellow Perch	Mercury			•	•	•							•	•	•				
Van Auken Lake*	Northern Pike	Mercury								▼	▼							•		•

No eating restrictions.		neal per week.			Ge	enera	l Pop	oulati	ion						W	ome	n & C	Childı	ren		
One meal per month.		eals per year.				Lengt	th (in	ches	5)							Leng	th (iı	nches	s)		
		t eat these fish.	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +	Ц	84	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body	Type of fish	Chemical(s)	_		7		-	-	2	7	.,,			ω	7	1	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																			
	Yellow Perch																				П
West Branch Lakes,	Northern Pike	Mercury							♦	♦	♦	П							♦	•	•
SE and SW* (Alger Co., T48N, R14W, S31)	Walleye	Mercury	1				V	V	♦	•		П						•	•	•	
, 50.,	Yellow Perch	Mercury		▼	•	•	•					1			♦	•	•				\vdash
White Lake* (Muskegon Co.)	Carp	PCBs	▼			V	▼	V	V	V	lacksquare	1	\	•	♦	•	•	♦	•	•	•
	Northern Pike	Mercury, PCBs																			
	Smallmouth Bass	Mercury, PCBs																			
	Walleye	Mercury, PCBs										П						▼			
*All inland lakes,	Crappie	Mercury						V													
reservoirs, and impoundments	Largemouth and	Manager										П									
(mercury adviosry)	Smallmouth Bass	Mercury					•	•	•	 		Ш									
	Muskellunge	Mercury									V	П									
	Northern Pike	Mercury							▼	•	lacksquare	П								•	
	Rock Bass	Mercury																\Box	\Box	\top	\Box
	Walleye	Mercury		1			T	V	▼	T	lacksquare	H	\top								
				-	-	-	-	-	-	_	\vdash	\vdash	\rightarrow	_		_	_	-	\leftarrow	+-	\leftarrow

Yellow Perch

Mercury

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

^{*} 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	pulat	ion			П			W	omer	1 & C	hild	ren		
One meal per month.		neals per year.			L	_eng	h (ir	nches	s)] [l	_eng	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 +	Ц	8-9	8-10	10-12	12.14	14-18	18-22	22-26	26-30	30 +
Lake Superior Watershed	For water bodies that are not list	ed, read the Mercury Advisory on page 5																			
Deer Lake* (Alger Co.)	Northern Pike	Mercury								♦	♦	П								•	•
Deer Lake (Marquette Co.)	All species	Mercury	♦	♦	♦	♦	*	•	•	♦	♦	П	♦	♦	♦	♦	♦	♦	♦	•	•
Duck Lake* (Gogebic Co.)	Walleye	Mercury						•		•	•	П									
Lake Gogebic* (Gogebic Co.)	Walleye	Mercury										П									
Lake Independence* (Marquette Co.)	Northern Pike	Mercury									▼	П									•
Lake Le Vasseur* (Marquette Co.)	Northern Pike	Mercury							▼	•	•	П							•	•	•
Langford Lake* (Gogebic Co.)	Walleye	Mercury	T						•	•	♦	П							•	•	•
Pomeroy Lake* (Gogebic Co.)	Walleye	Mercury						~		V	•	П									
Portage Lake* (Houghton Co.)	Brown Trout	PCBs										П					lacksquare	•			
	Walleye	Mercury, PCBs							▼	▼	▼	П									
Silver Lead Creek (Marquette Co.)	Brook Trout	PCBs	A		П	•	•	•	•	•	•	▼	▼								
Siskiwit Lake* (Isle Royale)	Lake Trout	PCBs										П							•		▼
	Lake Whitefish	PCBs										П	T	lacksquare	▼	lacksquare	lacksquare	lacksquare			
Tahquamenon River (Luce Co.)	Walleye	Mercury					▼	•	▼	•	▼	П					•	•	•	•	•
Teal Lake* (Marquette Co.)	Smallmouth Bass	Mercury						•		•		П					•				
	Walleye	Mercury										П					lacksquare				
Thousand Island Lake* (Gogebic Co.)	Walleye	Mercury					A	▼	▼	▼	▼	П					A	•	•	•	•
Torch Lake* (Houghton Co.)	Northern Pike	Mercury, PCBs									▼	П								▼	•
	Smallmouth Bass	Mercury, PCBs						•	•	▼		П					▼	•	•	•	
	Walleye	Mercury, PCBs	Т						•	•	•	Ħ					▼	▼	•	•	•

^{*} See Mercury Advisory on page 5.

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No eating restrictions.		meal per week.			Ge	nera	l Pop	ulat	ion						Wo	men	& C	hildr	en		
One meal per month.		neals per year.			L	.engt	h (in	ches	5)						L	engtl	n (in	ches	;)		
		ot eat these fish.	8-9	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +		ρ.	8-10	10-12	12-14	14-18	18-22	22-26	26-30	30 +
Water body	Type of fish	Chemical(s)	Ľ		7	-	-	=	2,	7	(m)		9 (20	=	72	1	=	5	26	_ ~
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					•	▼	•	•							•		•		
(,,	Muskellunge	Mercury	П									Т									
	Northern Pike	Mercury							•	▼	lacksquare	Т			T						
	Rock Bass	Mercury			▼	•	▼					1				•					Г
	Walleye	Mercury	Т				•	•	•	▼	lacksquare	T			T			•			
	Yellow Perch	Mercury		T			V				П	1				•					Т

Updated June 2011. 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.**

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

^{*} See Mercury Advisory on page 5.

^{*} See Mercury Advisory on page 5.



Michigan Department of Community Health

