



2004 MICHIGAN FAMILY FISH CONSUMPTION GUIDE

Important facts to know if you eat Michigan fish



MDCH Environmental & Occupational Epidemiology Division • 1-800-648-6942
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Project F.I.S.H

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

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

WHAT WOMEN OF CHILDBEARING AGE SHOULD KNOW ABOUT EATING FISH



General Fish Consumption Advice

The Michigan Department of Community Health advises extra caution about eating Michigan fish for women of childbearing age and children under 15.

Certain kinds and sizes of fish from the Great Lakes and from some of Michigan's lakes and streams contain levels of toxic chemicals that may be harmful if those fish are eaten too often.

The amounts of chemicals found in Michigan fish are not known to cause immediate sickness. But chemicals can collect in the body over time. It may take months or years of regularly eating contaminated fish to build up amounts that are a health concern. Chemicals may eventually affect your health or that of your children. Mothers who eat highly contaminated fish before birth may have children who are slower to develop and learn. A pregnant woman may pass these chemicals to her unborn child and to the new baby through breast milk.

What Can I Do to Reduce My Health Risks from Chemicals in Fish?

- Choose smaller fish. Generally, panfish and fish just over the legal size will have fewer chemicals.
- Choose lean fish. Panfish, brook trout and brown trout that live in streams and rivers tend to be low in fat. Small walleye, northern pike and bass, especially those that are just legal size, also tend to have fewer chemicals. Carp and catfish are higher in fat and usually have more chemicals.
- Choose fish that don't eat other fish. Large predator fish, especially large walleye, northern pike, muskie, bass and lake trout tend to have more chemicals.



For a guide to how often you may eat sport fish and still avoid potential health risks from chemicals, see the charts of specific advisories for the Great Lakes watersheds. The charts start on page 8. They show specific locations, kinds, and sizes of fish, and how often you may eat them.

Trim and cook fish properly to reduce risk. This can remove more than 50 percent of the remaining contaminants in fish. See the separate section on trimming and cooking on page 3.

Advisory on Mercury in Inland Lakes

The Michigan Department of Community Health has issued a special advisory for all inland lakes in Michigan due to mercury. This is a widespread problem throughout the north central United States and Canada.

No one should eat more than one meal a week of these kinds and sizes of fish from any of Michigan's inland lakes:

- Rock bass, perch, or crappie over 9 inches in length
- Any size largemouth bass, smallmouth bass, walleye, northern pike, or muskie

Women of childbearing age and children under age 15 should not eat more than one meal per month of these fish.

More than 200 inland bodies of water have been sampled. For specific advice about these lakes, see the summary of mercury in fish from inland lakes on page 6.

Commercial Fish

The fish you buy from your supermarket can also contain toxic chemicals. There are laws to limit them, but extra caution will help protect unborn and young children.

Women of child bearing age, particularly those who are pregnant or nursing, and children under 15 should not eat these fish due to mercury levels:

- Swordfish
- Shark
- King Mackerel
- Tilefish



COOKING AND CLEANING FISH



Trim & Cook Fish Properly To Reduce Risk

Fish are nutritious and good to eat. When properly prepared, fish provide a diet high in protein and low in saturated fats. Many doctors suggest, based on scientific studies, that eating 2-3 fish meals a week is helpful in preventing heart disease.

Proper preparation reduces the concentration of organic chemicals like PCB even further. By trimming fatty areas before cooking and by cooking fish in ways that allow fat to drip away, more than 50 percent of the contaminants in fish can be eliminated. Methyl mercury is stored in fish flesh. Special trimming and cooking methods do not remove it.

DO

Trim fatty areas before cooking (see drawing). The belly, the top of the back, and the dark meat along the skin side of the fillet are often fatty.

Remove or puncture skin before cooking. This allows fats to drain off and helps remove or reduce fat under the skin.

Cook so fat drips away. Bake, broil or grill on a rack, or poach and do not use the liquid.

Deep-fry trimmed fillets in vegetable oil. After frying, drain and throw away the oil.

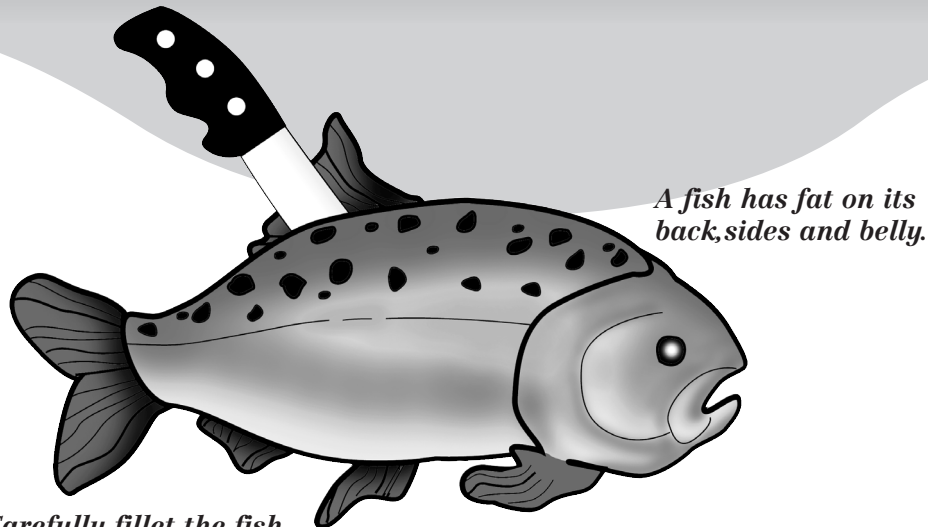
DON'T

Pan-fry in butter or animal fat, and don't make fish soups or chowders. These methods hold in juices that contain fat from the fish.

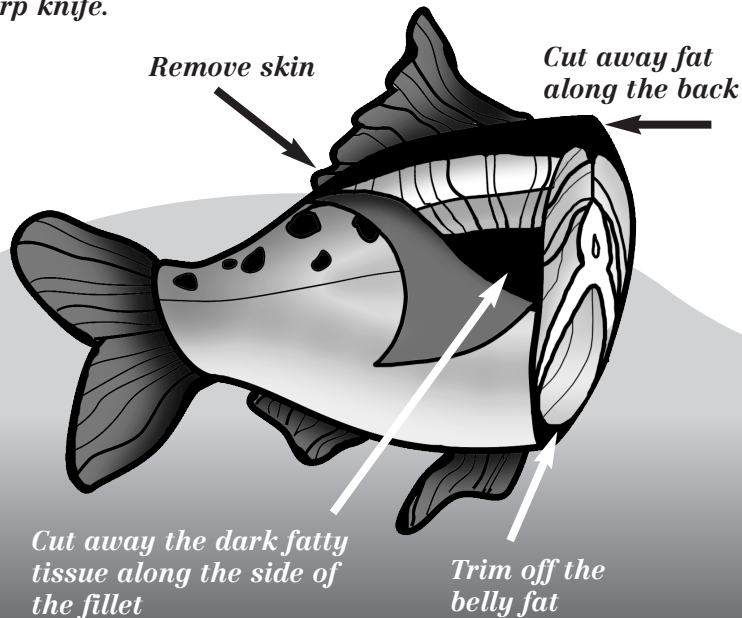


COOKING AND CLEANING FISH

Important reminders.



Carefully fillet the fish with a long sharp knife.



CHARTS OF SPECIFIC ADVISORIES

How to Use the Charts – Four Easy Steps

Step One:

In the first column, find the body of water in which you are fishing. The charts are divided into separate listings for each Great Lakes watershed. Within these sections, the Great Lake is listed first, then bays on the lake that have additional advisories, followed by an alphabetical listing of rivers that flow into the lake and inland lakes, reservoirs or impoundments in the watershed.

Step Two:

In the second column, find the kind of fish that you have caught.

Step Three:

Read across the top of the chart to the appropriate category and find the size range of the fish you have caught. The General Population category is for men, boys over the age of 15 and women who are beyond childbearing years. The Women & Children category is for women of childbearing age and children under 15.

Step Four:

Follow the size column down to the line for the species that you found in the previous steps. The symbol on the chart represents the consumption advice, according to the following key:

- ▲ Unlimited consumption. Eat as much of these fish as you wish.
- ▼ One meal per week.
- One meal per month.
- Six meals per year.
- ◆ Do not eat these fish.

General Advice

If you are fishing in a river or stream that is not listed, keep in mind the following facts:

- Larger and older fish tend to collect more contaminants.
- Fish that eat other fish, such as muskie, northern pike, walleye and bass, tend to collect chemicals such as mercury.
- Fatty fish, such as carp, catfish, lake trout and large salmon, tend to collect PCBs and similar chemicals.
- For salmon and trout on their spawning run into streams, follow the advice for the Great Lake from which they are migrating.

Mercury in fish

Mercury is found in nature. It is also released by burning wastes and coal, and improper disposal of mercury containing products such as thermometers, batteries, and older thermostats. Small amounts can dissolve in water. Bacteria can change it into a more toxic form called methyl mercury.

Fish pick it up as they feed and absorb it from water as it passes over their gills. Larger predator fish accumulate more as they eat other fish. Methyl mercury is stored in fish flesh. Special trimming and cooking methods do not remove it.

Nearly all fish contain very small amounts of methyl mercury. Usually only large fish that eat other fish have levels too high for humans to eat.

Mercury in Michigan Sport Fish

In addition to Great Lakes advisories, these charts represent results of testing for mercury in fish from about 200 inland lakes in Michigan. Only a few kinds of fish were tested in each lake. The charts show only the mercury in the fish that were tested. Other fish in the same lake will probably have similar levels. Large fish such as bass and walleye may have higher levels. Panfish such as bluegill and sunfish may have lower levels. You can also get a copy of the full tables that show species and sizes tested in each lake. Contact the Michigan Department of Community Health Environmental & Occupational Epidemiology Division at 1-800-648-6942.



General Inland Lake Mercury Advisory

For lakes not in these lists, follow this general advisory. Even in the lakes tested that did not have fish consumption advisories due to mercury it is wise to limit meals of large fish.

- No one should eat more than one meal a week of rock bass, yellow perch, or crappie over nine inches in length and bass, walleye, northern pike or muskellunge of any size.
- Women of childbearing age and children under 15 should not eat more than one meal per month of these fish.

Spacing Meals of Sport Fish

It's important to leave enough space between meals of sport fish so you reduce the risks of chemicals in fish.

- If you eat fish that contain mercury, wait until the consumption period is over before having another meal of fish in the same category. For example, if you eat a fish that has a consumption advisory of one meal a month because of mercury contamination, don't eat any more fish that contain mercury for another month.
- It's different with fish that contain other chemicals such as PCBs. You can eat more meals of these fish over a shorter period of time as long as you don't go over the total number of meals you could have in a year. If most of the fish you eat are in the one-meal-a-week category, you could have a total of 52 meals a year. If most of the fish you eat are in the one-meal-a-month group, you could have 12 meals a year. Eating one meal of fish from the one-meal-a-month group is the same as eating four meals of fish from the one-meal-a-week group. If you eat most of your meals of sport fish in four or five months over the summer fishing season, that's okay — but don't eat more than the total number of meals you may have in a year.

Need More Information?

For further information or for the most up-to-date advice, contact the MDCH Environmental & Occupational Epidemiology Division at 1-800-648-6942. This advisory was updated in January, 2002. Determining safe levels of fish consumption is an ongoing process of scientific analysis. Updates may be issued as the Michigan Department of Community Health gets new information.



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

General Population

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

Women & Children

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| Water body | Species | Contaminant(s) | General Population | | | | | | | | | Women & Children | | | | | | | | |
|---|-------------------------------------|----------------|--------------------|------|-------|-------|-------|-------|-------|-------|------|------------------|------|-------|-------|-------|-------|-------|-------|------|
| | | | Length (inches) | | | | | | | | | Length (inches) | | | | | | | | |
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
| Lake Erie Watershed All other locations refer to general advice on page 6. | | | | | | | | | | | | | | | | | | | | |
| Lake Erie # | Carp, Catfish | PCBs, Dioxins | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| | Chinook Salmon | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ● | ● | |
| | Coho Salmon | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ● | ● | |
| | Freshwater Drum | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | |
| | Lake Trout | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | Rainbow Trout (Including Steelhead) | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ● | ● | |
| | Smallmouth Bass | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | | ● | ● | ● | ● | | |
| | Walleye | PCBs | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ▼ | ▼ | ▼ | ● | ● | ● | |
| | White Bass | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ● | ● | ● | ● | ● | | | | |
| | Whitefish | PCBs, Dioxins | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| | White Perch | PCBs | ▲ | ▲ | ▲ | ▲ | | | | | | ● | ● | ● | ● | | | | | |
| | Yellow Perch | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | |
| Barton Pond* (Huron R.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | |
| Belleville Lake* (Huron R.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ■ | ■ | |
| | Gizzard Shad | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ● | ● | ● | ● | ● | | | | | |
| | Walleye | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | ▼ | ● | ● | ● | ● | | |
| | White Suckers | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | | |
| Black Creek (Lenawee Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | | |
| Cass Lake* (Oakland Co.) | Smallmouth Bass | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | | | | ● | ● | ● | ● | | | |
| | Walleye | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | | | | ● | ● | ● | ● | ● | | |
| Clear Spring Lake* (Macomb Co.) | Largemouth Bass | Mercury, PCBs | | | | | ▲ | ▼ | ▼ | ▼ | | | | ▼ | ● | ● | ● | | | |

Also applies to tributaries into which migratory species enter.
 * For species not listed, see general inland lake mercury advisory on page 6.

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

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

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

| Water body | Species | Contaminant(s) | General Population | | | | | | | | Women & Children | | | | | | | | |
|---|--------------------------------|-----------------|--------------------|------|-------|-------|-------|-------|-------|-------|------------------|-----|------|-------|-------|-------|-------|-------|-------|
| | | | Length (inches) | | | | | | | | Length (inches) | | | | | | | | |
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 |
| Lake Erie Watershed All other locations refer to general advice on page 6. | | | | | | | | | | | | | | | | | | | |
| Clinton River (Below Yates Dam) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| | Rock Bass | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | | |
| | White Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| Detroit River | Carp | PCBs, Dioxin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Freshwater Drum | Mercury, PCBs | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | ● | ● | ● | |
| | Redhorse Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ● | ● |
| | Walleye | PCBs | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ● | ● |
| | Yellow Perch | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| Ford Lake* (Washtenaw Co.) | Black Crappie | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| | Channel Catfish | PCBs | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | ▼ | ▼ | ● | ● | ● | ● |
| | Walleye | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| Hudson Lake* (Lenawee Co.) | Carp | Mercury | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● |
| | Largemouth Bass | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | | | | ▲ | ● | ● | ● | | |
| Kent Lake* (Oakland Co.) | Black Crappie | Mercury, PCBs | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | ▼ | ● | ● | ● | ● | ● | ● |
| | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ |
| | Largemouth and Smallmouth Bass | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | ▼ | ▼ | ▼ | ▼ | | |
| | Walleye | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | ● | ● | ● | ● | ● |
| Lake Orion* (Oakland Co.) | Carp | PCBs, Chlordane | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ◆ | ◆ | | | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ |
| | Largemouth Bass | Mercury | | | | | ▼ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | |
| | Northern Pike | Mercury, PCBs | | | | | | | | ▼ | ▼ | ▼ | | | | | ● | ● | ● |

* For species not listed, see general inland lake mercury advisory on page 6.

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

| Water body | Species | Contaminant(s) | General Population | | | | | | | | Women & Children | | | | | | | | | | | | |
|---|--------------------------------|----------------|--------------------|------|-------|-------|-------|-------|-------|-------|------------------|-----|------|-------|-------|-------|-------|-------|-------|------|---|---|--|
| | | | Length (inches) | | | | | | | | Length (inches) | | | | | | | | | | | | |
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | | | |
| Lake Erie Watershed All other locations refer to general advice on page 6. | | | | | | | | | | | | | | | | | | | | | | | |
| Lake St. Clair | Bluegill | PCBs | ▲ | ▲ | ▲ | ▲ | | | | | | | | ▼ | ▼ | ▼ | ▼ | | | | | | |
| | Brown Bullhead | Mercury | ▲ | ▲ | ▲ | ▲ | ▼ | | | | | | | ▲ | ▲ | ▲ | ▲ | ● | | | | | |
| | Carp | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | Carp sucker | Mercury | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | | | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | |
| | Channel Catfish | PCBs | | | | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | | | | | ▼ | ▼ | ■ | ◆ | ◆ | ◆ | ◆ | |
| | Largemouth and Smallmouth Bass | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | | | | | | ● | ● | ● | ● | | | | |
| | Northern Pike | Mercury | | | | | | | ▲ | ▼ | ▼ | | | | | | | ▲ | ● | ● | | | |
| | Muskellunge | Mercury, PCBs | | | | | | | | | | ◆ | | | | | | | | | | ◆ | |
| | Sturgeon | PCBs | | | | | | | | | | ▲ | | | | | | | | | | ● | |
| | Walleye | Mercury, PCBs | | | | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | | | | | ▼ | ▼ | ▼ | ● | ● | ● | | |
| | White Bass | Mercury, PCBs | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | | | | | | ● | ● | ● | ● | ● | ● | | | | |
| | White Perch | Mercury | ▲ | ▲ | ▼ | ▼ | | | | | | | | ▲ | ▲ | ● | ● | | | | | | |
| Loon Lake* (Oakland Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | |
| | 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 | | | | | ▼ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | | | | | |
| Ottawa River | All species | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| Pine River (St. Clair Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | |
| Pontiac Lake* (Oakland Co.) | Channel Catfish | Mercury, PCBs | | | | | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | | | | ▼ | ▼ | ▼ | ● | ● | ● | | |
| River Raisin (Above Monroe Dam) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |

* For species not listed, see general inland lake mercury advisory on page 6.

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

General Population

Women & Children

Length (inches)

Length (inches)

| Water body | Species | Contaminant(s) | General Population | | | | | | | | Women & Children | | | | | | | | | |
|--|--------------------------------|----------------|--------------------|------|-------|-------|-------|-------|-------|-------|------------------|-----|------|-------|-------|-------|-------|-------|-------|------|
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
| Lake Erie Watershed All other locations refer to general advice on page 6. | | | | | | | | | | | | | | | | | | | | |
| River Raisin, (Below Monroe Dam) and Plum Creek | Black Buffalo | PCBs | ▲ | ▲ | ▲ | ▲ | ◆ | ◆ | ◆ | ◆ | ◆ | ■ | ■ | ■ | ■ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Carp | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Channel Catfish | PCBs | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Freshwater Drum | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Smallmouth Bass | PCBs | | | | | ▼ | ▼ | ▼ | ▼ | | | | | ■ | ■ | ■ | ■ | | |
| | White Bass | PCBs | ▲ | ▲ | ▼ | ◆ | ◆ | ◆ | | | | ■ | ■ | ■ | ◆ | ◆ | ◆ | | | |
| River Raisin, South Branch | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | ● | ● | ● | |
| | Redhorse Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ● | ● | ● | ● | ● | | |
| Rouge River (Main or Upper Branch above M-153/Ford Road) | White Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| Rouge River (Phoenix Lake) | Bluegill | PCBs | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | | | | | | |
| | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ● | ● |
| | Northern Pike | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● |
| Rouge River (Newburgh Lake) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |
| | Channel Catfish | PCBs | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ● | ● | ● | ● | ● | ● | ● |
| | Largemouth Bass | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | | |
| | Northern Pike | PCBs | | | | | | | | ▲ | ▲ | ▲ | | | | | ● | ● | ● | ● |
| | White Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| Rouge River (Middle Branch below Newburgh Lake and Main Branch below M-153/Ford Road) | Carp, Catfish | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Largemouth and Smallmouth Bass | PCBs | | | | | ◆ | ◆ | ◆ | ◆ | | | | | | | ● | ● | ● | ● |
| | Northern Pike | PCBs | | | | | | | | ◆ | ◆ | ◆ | | | | | ◆ | ◆ | ◆ | ◆ |
| | White Suckers | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ■ | ■ | ■ | ■ | ■ | ■ |
| | All other species | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Rouge River Lower Branch | Carp, Suckers | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Terry Lake* (Oakland Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ● | ● |

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

| Water body | Species | Contaminant(s) | General Population | | | | | | | Women & Children | | | | | | | | | | |
|---|--------------------------------|----------------|--------------------|------|-------|-------|-------|-------|-------|------------------|------|-----|------|-------|-------|-------|-------|-------|-------|------|
| | | | Length (inches) | | | | | | | Length (inches) | | | | | | | | | | |
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
| Lake Erie Watershed All other locations refer to general advice on page 6. | | | | | | | | | | | | | | | | | | | | |
| St. Clair River | Carp | Mercury, PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ◆ | ▲ | ▲ | ▲ | ▼ | ● | ● | ■ | ◆ | ◆ |
| | Freshwater Drum | Mercury, PCBs | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● |
| | Gizzard Shad | Mercury, PCBs | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | | | | ▼ | ● | ◆ | ◆ | ◆ | ◆ | | | |
| | Walleye | PCBs | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ● | ● | ● | ● | ● | ● |
| Stony Creek Impoundment* (Macomb Co.) | Northern Pike | Mercury, PCBs | | | | | | | ▼ | ▼ | ▼ | | | | | | | ● | ● | ● |
| Unnamed Lake* (Washtenaw Co., T3S, R7E, S26) | Bullhead | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | |
| | Largemouth Bass | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | | | | | | ● | ● | ● | ● | |
| Walled Lake* (Oakland Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● |
| | Northern Pike | Mercury, PCBs | | | | | | | ▼ | ▼ | ▼ | | | | | | | ● | ● | ● |
| Whitmore Lake* (Livingston Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ |
| Woodland Lake* (Livingston Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ |
| | Largemouth Bass | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | | | | | | ▲ | ● | ● | ● | |
| All Inland lakes, reservoirs, and impoundments (mercury advisory) | Crappie | Mercury | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | | | | ▲ | ● | ● | ● | ● | ● | | | |
| | Largemouth and Smallmouth Bass | Mercury | | | | | ▼ | ▼ | ▼ | ▼ | | | | | | ● | ● | ● | ● | |
| | Muskellunge | Mercury | | | | | | | | | ▼ | | | | | | | | | ● |
| | Northern Pike | Mercury | | | | | | | ▼ | ▼ | ▼ | | | | | | | ● | ● | ● |
| | Rock Bass | Mercury | ▲ | ▼ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | ● | | | | |
| | Walleye | Mercury | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | ● |
| | Yellow Perch | Mercury | ▲ | ▼ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | ● | | | | |

* For species not listed, see general inland lake mercury advisory on page 6.

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

General Population

Women & Children

Length (inches)

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| Water body | Species | Contaminant(s) | General Population | | | | | | | | Women & Children | | | | | | | | | |
|--|-------------------------------------|--------------------------|--------------------|------|-------|-------|-------|-------|-------|-------|------------------|-----|------|-------|-------|-------|-------|-------|-------|------|
| | | | Length (inches) | | | | | | | | Length (inches) | | | | | | | | | |
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
| Lake Huron Watershed All other locations refer to general advice on page 6. | | | | | | | | | | | | | | | | | | | | |
| Lake Huron # | Brown Trout | PCBs | | | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | | | ● | ● | ● | ◆ | ◆ | ◆ | ◆ |
| | Burbot | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| | Chinook Salmon | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ● | ● | ● |
| | Coho Salmon | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ● | ● | ● |
| | Lake Trout | PCBs, Chlordane, Dioxins | | | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Rainbow Trout (Including Steelhead) | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ● | ● | ● |
| | Whitefish | PCBs, Dioxins | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ◆ | ◆ | ◆ | ▼ | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | ◆ |
| Saginaw Bay # (Also follow Lake Huron advisories above) | Carp | PCBs, Dioxins | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Channel Catfish | PCBs, Dioxins | | | | ▼ | ▼ | ◆ | ◆ | ◆ | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Northern Pike | PCBs | | | | | | ▲ | ▲ | ▲ | | | | | | ▼ | ● | ● | ● | ● |
| | Walleye | Mercury, PCBs | | | | | ▲ | ▲ | ▼ | ▼ | ▼ | | | | | ▼ | ● | ● | ● | ● |
| | White Bass | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | | | ■ | ■ | ■ | ■ | ■ | ■ | | | | |
| | White Perch | PCBs | ▲ | ▲ | ▲ | ▲ | | | | | ● | ● | ● | ● | | | | | | |
| | White Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ● | ● | ● |
| | Yellow Perch | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | |
| Thunder Bay # (Also follow Lake Huron advisories above) | Carp | PCBs, Dioxins | ▲ | ▲ | ▲ | ▲ | ▲ | ◆ | ◆ | ◆ | ▼ | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Walleye | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ● | ● | ● | ● |
| Au Sable River (At Oscoda) | Carp | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Walleye | Mercury, PCBs | | | | | ▲ | ▲ | ▲ | ▼ | | | | | ▼ | ● | ● | ● | ● | ● |
| Au Sable River (Middle Branch) | Walleye | Mercury | | | | | ▼ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | ● | |
| Bad River | Channel Catfish | PCBs | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | ● | ● | ■ | ◆ | ◆ | ◆ | ◆ |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | | | | | | | ▼ | ▼ | ▼ | ▼ |
| Black River (Sanilac Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| Burt Lake (Cheboygan County) | Walleye | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | ● | ● |
| Caro Impoundment* (Cass River) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |

Also applies to tributaries into which migratory species enter.

* For species not listed, see general inland lake mercury advisory on page 6.

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

General Population

Women & Children

Length (inches)

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| Water body | Species | Contaminant(s) | General Population | | | | | | | | | Women & Children | | | | | | | | |
|--|-------------------|--------------------------|--------------------|------|-------|-------|-------|-------|-------|-------|------|------------------|------|-------|-------|-------|-------|-------|-------|------|
| | | | Length (inches) | | | | | | | | | Length (inches) | | | | | | | | |
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
| Lake Huron Watershed All other locations refer to general advice on page 6. | | | | | | | | | | | | | | | | | | | | |
| Cass River (Below Bridgeport) | Carp | Dioxins | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| | Channel Catfish | PCBs, Mercury Dioxins | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | ▼ | ● | ● | |
| Cass River (Above Bridgeport) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Northern Pike | Mercury | | | | | | | ▲ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | |
| Cheboyganing Creek | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ◆ | ◆ | ◆ | ▼ | ▼ | ▼ | ● | ● | ■ | ◆ | ◆ | ◆ |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | ● | ● | ● | |
| Chippewa River (Midland Co.) | Redhorse Suckers | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| Flint River (Below Flint) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ◆ | ● | ● | ● | ● | ● | ● | ● | ● | ◆ |
| | Smallmouth Bass | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | | |
| Holloway Reservoir* (Genesee Co.) | Channel Catfish | PCBs | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ● | ● | ● | ● | ● | ● | |
| Kawkawlin River | Carp | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | ● | ● | ● | |
| Kearsley Reservoir* (Genesee County) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● |
| | Largemouth Bass | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | | |
| Pine River* (Alma Impoundment) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | |
| Pine River* (Downstream of Alma dam) | All Species | PBBs, DDT | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Lake Ponemah* (Genesee Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | |
| | Largemouth Bass | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | | |
| Rifle River | Redhorse Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | |
| | Rock Bass | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ▲ | ▼ | ▼ | ▼ | ▼ | | | | | |
| Saginaw River (Entire Length) | Carp, Catfish | PCBs, Dioxins | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | White Bass | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | | | ■ | ■ | ■ | ■ | | |
| | All other species | PCBs, Dioxins | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ● | ● | ● | ● | ● | ● |

* For species not listed, see general inland lake mercury advisory on page 6.

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

| Water body | Species | Contaminant(s) | General Population | | | | | | | | Women & Children | | | | | | | | | | | | | | | | | |
|--|-------------------|----------------|--------------------|------|-------|-------|-------|-------|-------|-------|------------------|-----|------|-------|-------|-------|-------|-------|-------|------|---|---|---|---|---|---|---|---|
| | | | Length (inches) | | | | | | | | Length (inches) | | | | | | | | | | | | | | | | | |
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | | | | | | | | |
| Lake Huron Watershed All other locations refer to general advice on page 6. | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sanford Lake* (Midland Co.) | Black Crappie | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | |
| | Channel Catfish | Mercury, PCBs | | | | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | | | | | | | | | | | | ▼ | ▼ | ▼ | ▼ | ● | ● |
| | Rock Bass | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | |
| St. Mary's River | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | | | | | | | | | ▲ | ▼ | ▼ | |
| | Walleye | Mercury, PCBs | | | | | ▲ | ▲ | ▼ | ▼ | ▼ | | | | | | | | | | | | ▼ | ▼ | ● | ● | ● | |
| Sebawaing River | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ● | ● | |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | | | | | | | | | ▼ | ▼ | ▼ | |
| Shiawassee River (Below Owosso) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | |
| | Rock Bass | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | |
| | Smallmouth Bass | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | | | ▼ | ▼ | ▼ | ▼ | | |
| Shiawassee River (Byron to Owosso) | Carp | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | | | | | | | | | ● | ● | ■ | |
| | Smallmouth Bass | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | | | | | | | | | | ● | ● | ● | ● | | |
| Shiawassee River S. Br. (M-59 to Byron) | All species | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| Tawas River | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | | | | | | | | ▼ | ▼ | ▼ | | |
| Thompson Lake* (Livingston Co.) | Black Crappie | Mercury, PCBs | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | | | | | | | ● | ● | ● | ● | ● | ● | | | | |
| | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ◆ | ◆ | ◆ | | | | | | | | ▼ | ▼ | ▼ | ● | ● | ■ | ◆ | ◆ | ◆ | |
| Thread Creek and Thread Creek Impoundment (Genesee Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| Tittabawassee River (Below Midland) | Carp, Catfish | PCBs, Dioxins | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | |
| | Smallmouth Bass | PCBs, Dioxins | | | | | ▼ | ▼ | ▼ | ▼ | | | | | | | | | | | | | ◆ | ◆ | ◆ | ◆ | | |
| | White Bass | PCBs, Dioxins | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | | | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | |
| | All other species | PCBs, Dioxins | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ● | ● | ● | ● | ● | ● | | |

* For species not listed, see general inland lake mercury advisory on page 6.

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

General Population

Women & Children

Length (inches)

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| Water body | Species | Contaminant(s) | General Population | | | | | | | | | Women & Children | | | | | | | | |
|---|--------------------------------|----------------|--------------------|------|-------|-------|-------|-------|-------|-------|------|------------------|------|-------|-------|-------|-------|-------|-------|------|
| Lake Huron Watershed <small>All other locations refer to general advice on page 6.</small> | | | Length (inches) | | | | | | | | | Length (inches) | | | | | | | | |
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
| Tobico Wetland* (Bay Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | | ▲ | ▼ | ▼ |
| Van Etten Lake* (Iosco Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Channel Catfish | PCBs | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ● | ■ | ■ | ■ | ■ | ■ |
| | Walleye | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | ● |
| *All Inland lakes, reservoirs, and impoundments <small>(mercury advisory)</small> | Crappie | Mercury | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | | | | ▲ | ● | ● | ● | ● | ● | | | |
| | Largemouth and Smallmouth Bass | Mercury | | | | | ▼ | ▼ | ▼ | ▼ | | | | | | ● | ● | ● | ● | |
| | Muskellunge | Mercury | | | | | | | | | ▼ | | | | | | | | | ● |
| | Northern Pike | Mercury | | | | | | | ▼ | ▼ | ▼ | | | | | | | ● | ● | ● |
| | Rock Bass | Mercury | ▲ | ▼ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | ● | | | | |
| | Walleye | Mercury | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | ● |
| | Yellow Perch | Mercury | ▲ | ▼ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | ● | | | | |

* For species not listed, see general inland lake mercury advisory on page 6.

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

General Population

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

Women & Children

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

Water body **Species** **Contaminant(s)**

Lake Michigan Watershed All other locations refer to general advice on page 6.

| Water body | Species | Contaminant(s) | General Population | | | | | | | | Women & Children | | | | | | | | | |
|---|-------------------------------------|--------------------------------|--------------------|------|-------|-------|-------|-------|-------|-------|------------------|-----|------|-------|-------|-------|-------|-------|-------|------|
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
| Lake Michigan North of Frankfort # | Brown Trout | PCBs, Dioxin | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| | Burbot | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | |
| | Carp | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | ■ | ■ | ■ | ■ | ■ | ■ | ◆ | ◆ | |
| | Catfish | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| | Chinook Salmon | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ■ | ■ | |
| | Coho Salmon | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ● | ■ | |
| | Lake Trout | PCBs, Chlordane | | | ▲ | ▲ | ▲ | ▲ | ▲ | ◆ | ◆ | | | ● | ● | ● | ● | ■ | ◆ | ◆ |
| | Rainbow Trout (Including Steelhead) | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ▼ | ▼ | ▼ | ● | ● | ● | ● |
| | Smelt | PCBs | ▲ | ▲ | ▲ | ▲ | | | | | | | | ▼ | ▼ | ▼ | ▼ | | | |
| | Sturgeon | PCBs | | | | | | | | | ◆ | | | | | | | | | ◆ |
| | Walleye | Mercury, PCBs | | | | | ▲ | ▲ | ▼ | ▼ | ▼ | | | | | ▼ | ● | ● | ■ | ■ |
| | Whitefish | PCBs, Dioxin | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Yellow Perch | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | ▼ | ▼ | ▼ | ▼ | | | | |
| Lake Michigan South of Frankfort # | Brown Trout | PCBs | | | ▲ | ▲ | ▲ | ▲ | ◆ | ◆ | ◆ | | | ● | ● | ● | ● | ◆ | ◆ | ◆ |
| | Carp, Catfish | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Chinook Salmon | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ■ | ■ | |
| | Coho Salmon | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ● | ■ | |
| | Lake Trout | PCBs, Chlordane | | | ▲ | ▲ | ▲ | ▼ | ◆ | ◆ | ◆ | | | ● | ● | ● | ● | ◆ | ◆ | ◆ |
| | Rainbow Trout (Including Steelhead) | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ▼ | ▼ | ▼ | ● | ● | ● | ● |
| | Smelt | PCBs | ▲ | ▲ | ▲ | ▲ | | | | | | | | ▼ | ▼ | ▼ | ▼ | | | |
| | Sturgeon | PCBs, Chlordane DDT, Dioxin | | | | | | | | | ◆ | | | | | | | | | ◆ |
| | Walleye | Mercury, PCBs | | | | | ▲ | ▲ | ▼ | ▼ | ▼ | | | | | ▼ | ● | ● | ■ | ■ |
| | Whitefish | PCBs, Chlordane Dioxin | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ◆ | ◆ | ◆ | ● | ● | ● | ● | ● | ● | ◆ | ◆ | ◆ |
| | Yellow Perch | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | ▲ | ▼ | ▼ | ▼ | | | |

Also applies to tributaries into which migratory species enter

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

General Population

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

Women & Children

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

Water body **Species** **Contaminant(s)**

Lake Michigan Watershed All other locations refer to general advice on page 6.

| Water body | Species | Contaminant(s) | General Population | | | | | | | | Women & Children | | | | | | | | | | |
|---|-------------------------------------|----------------|--------------------|------|-------|-------|-------|-------|-------|-------|------------------|-----|------|-------|-------|-------|-------|-------|-------|------|---|
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | |
| Green Bay # (S. of Cedar River. Applies to Michigan waters including Menominee and Cedar rivers below first dam. See also Lake Michigan-North of Frankfort) | Brown Trout | PCBs | | | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | ◆ | | | ● | ● | ■ | ◆ | ◆ | ◆ | ◆ | |
| | Burbot | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | |
| | Carp | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | | | ■ | ■ | ■ | ■ | ■ | ◆ | ◆ | |
| | Channel Catfish | PCBs | | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | | | | ■ | ■ | ■ | ■ | ■ | ■ | |
| | Chinook Salmon | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ● | ● | |
| | Lake Trout | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | | | ● | ● | ● | ● | ● | ■ | ■ |
| | Longnose Sucker | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | ■ | ■ | ■ | ■ | ■ | | | |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | ● | ● | ● | | |
| | Rainbow Trout (Including Steelhead) | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ● | ● | |
| | Smallmouth Bass | Mercury, PCBs | | | | | ▲ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | | | |
| | Splake | PCBs | | | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | ◆ | | | | ● | ● | ■ | ◆ | ◆ | ◆ | ◆ |
| | Sturgeon | PCBs | | | | | | | | | | ◆ | | | | | | | | ◆ | |
| | Walleye | Mercury, PCBs | | | | | ▲ | ▼ | ▼ | ◆ | ◆ | | | | ● | ■ | ■ | ◆ | ◆ | | |
| | White Bass | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | | | ◆ | ◆ | ◆ | ◆ | | | | |
| | Whitefish | PCBs, Dioxins | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | ◆ | ◆ | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| White Perch | PCBs | ◆ | ◆ | ◆ | ◆ | | | | | | | | ◆ | ◆ | | | | | | | |
| White Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | ● | ● | ● | ● | ● | ● | ● | | |
| Yellow Perch | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | ▼ | ▼ | ▼ | ▼ | | | | | |
| Little Bay de Noc # (See also Lake Michigan North of Frankfort) | Burbot | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | |
| | Carp | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | | | ■ | ■ | ■ | ■ | ■ | ◆ | ◆ | |
| | Longnose Sucker | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | ■ | ◆ | ◆ | |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | ● | ● | ■ | | |
| | Smallmouth Bass | Mercury, PCBs | | | | | ▲ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | | | |
| White Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | ● | ● | ● | ● | ● | ● | ● | | |
| Barton Lake* (Kalamazoo Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | |

Also applies to tributaries into which migratory species enter.

* For species not listed, see general inland lake mercury advisory on page 6.

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

| General Population | | | | | | | | |
|--------------------|------|-------|-------|-------|-------|-------|-------|------|
| Length (inches) | | | | | | | | |
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |

| Women & Children | | | | | | | | |
|------------------|------|-------|-------|-------|-------|-------|-------|------|
| Length (inches) | | | | | | | | |
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |

| Water body | Species | Contaminant(s) | General Population | | | | | | | | Women & Children | | | | | | | | | | |
|--|--------------------|--------------------------|--|------|-------|-------|-------|-------|-------|-------|------------------|-----|------|-------|-------|-------|-------|-------|-------|------|---|
| Lake Michigan Watershed | | | All other locations refer to general advice on page 6. | | | | | | | | | | | | | | | | | | |
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | |
| Battle Creek River | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | |
| | Smallmouth Bass | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | | | |
| Bear Lake* (Muskegon Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ◆ | ● | ● | ● | ● | ● | ● | ● | ◆ | ◆ | |
| | Largemouth Bass | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | | | |
| | Northern Pike | PCBs | | | | | | ▲ | ▲ | ▲ | | | | | | ▼ | ● | ● | | | |
| | Walleye | Mercury, PCBs | | | | | ▲ | ▼ | ▼ | ▼ | ▼ | | | | ● | ● | ■ | ■ | ■ | | |
| Black Creek (Muskegon Co.) | Carp, White Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| Black River (Below S. Br. and S. Br. below Bangor) | Carp | PCBs, Chlordane | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | ● | ● | ● | | |
| | White Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | |
| Boyne River | Brown Trout | PCBs | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | ▼ | ● | ● | ● | ● | ● | ● | ● | ● | |
| Constantine Impoundment* (St. Joseph R.; St. Joseph Co.) | Channel Catfish | PCBs | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | |
| Crystal Lake* (Benzie Co.) | Brown Trout | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ▼ | ▼ | ▼ | ● | ● | ● | ● | |
| | Lake Trout | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | |
| | White Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | |
| Dowagiac River | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | |
| Elk Lake* (Antrim Co.) | Lake Trout | Mercury, PCBs | | | | | ▲ | ▲ | ▲ | ▼ | ▼ | | | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | |
| Fawn River | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ● | |
| Flat River | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● | |
| | Rock Bass | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | | |
| Fenner Lake* (Allegan Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ● | |
| Galien River | Carp | PCBs, Chlordane | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ◆ | ◆ | ◆ | ▲ | ▲ | ▲ | ▼ | ● | ● | ◆ | ◆ | ◆ |
| Glen Lake* (Leelanau Co.) | Lake Trout | Mercury, PCBs, Chlordane | | | | | ▲ | ▲ | ▼ | ▼ | ◆ | | | ▼ | ▼ | ▼ | ● | ● | ● | ◆ | |

* For species not listed, see general inland lake mercury advisory on page 6.

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

General Population

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

Women & Children

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| Water body | Species | Contaminant(s) | General Population | | | | | | | | | Women & Children | | | | | | | | |
|---|-----------------|--------------------------|--------------------|------|-------|-------|-------|-------|-------|-------|------|------------------|------|-------|-------|-------|-------|-------|-------|------|
| | | | Length (inches) | | | | | | | | | Length (inches) | | | | | | | | |
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
| Lake Michigan Watershed All other locations refer to general advice on page 6. | | | | | | | | | | | | | | | | | | | | |
| Goose Lake* (Marquette Co.) | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | | ● | ● | ● |
| | Walleye | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | ▼ |
| | Yellow Perch | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | |
| Grand River (Above Webber Dam) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Channel Catfish | PCBs | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ▼ | ▼ | ● | ● | ● | ● |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | | ▼ | ▼ | ▼ |
| | Redhorse Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | ● | ● | ● | ● | ● | ● | ● | ● | |
| | Walleye | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | ▼ |
| | White Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| Grand River (Below Webber Dam) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Channel Catfish | PCBs | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ▼ | ▼ | ● | ● | ● | ● |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | | ▼ | ▼ | ▼ |
| | Redhorse Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | ● | ● | ● | ● | ● | ● | ● | ● | |
| | Walleye | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ● | ● | ● | ● |
| Greenwood Reservoir* (Escanaba River, Marquette Co.) | Northern Pike | Mercury | | | | | | | ▼ | ▼ | ◆ | | | | | | | ● | ● | ◆ |
| Gull Lake* (Kalamazoo Co.) | Northern Pike | Mercury, PCBs | | | | | | | ▲ | ▼ | ▼ | | | | | | | ▼ | ● | ● |
| Hess Lake* (Newago Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ |
| Higgins Lake* (Roscommon Co.) | Lake Trout | Mercury, PCBs, Chlordane | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ◆ | | | ● | ● | ● | ● | ● | ● | ◆ |
| Houghton Lake* (Roscommon Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ |
| Kalamazoo River (Ceresco Impoundment, Calhoun Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Kalamazoo River (From Battle Creek to Morrow Pond Dam) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Channel Catfish | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Smallmouth Bass | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | | | ▼ | ▼ | ▼ | ▼ | |

* For species not listed, see general inland lake mercury advisory on page 6.

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

General Population

Women & Children

Length (inches)

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| Water body | Species | Contaminant(s) | General Population | | | | | | | | | Women & Children | | | | | | | | | |
|---|--------------------------------|-----------------|--------------------|------|-------|-------|-------|-------|-------|-------|------|------------------|------|-------|-------|-------|-------|-------|-------|------|---|
| | | | Length (inches) | | | | | | | | | Length (inches) | | | | | | | | | |
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | |
| Lake Michigan Watershed All other locations refer to general advice on page 6. | | | | | | | | | | | | | | | | | | | | | |
| Kalamazoo River (From Morrow Dam to Allegan Dam) and | Carp | PCBs, Dioxin | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| | Catfish, Suckers | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| | Largemouth and Smallmouth Bass | PCBs PCBs | | | | | ◆ | ◆ | ◆ | ◆ | | | | | ◆ | ◆ | ◆ | ◆ | | | |
| | All other species | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | |
| Kalamazoo River (Below Allegan Dam) | Carp, Catfish | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| | Largemouth and Smallmouth Bass | PCBs | | | | | ▼ | ▼ | ▼ | ▼ | | | | | ◆ | ◆ | ◆ | ◆ | | | |
| | Northern Pike | PCBs | | | | | | | | ◆ | ◆ | ◆ | | | | | ◆ | ◆ | ◆ | | |
| | All other species | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | |
| Klinger lake (St. Joseph Co.) | Largemouth Bass | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | | | |
| Lake Charlevoix* (Charlevoix Co.) | Brown Trout | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | | | | ● | ● | ● | ● | ■ | ■ | ■ |
| | Lake Trout | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ● | ● | ● | ● | ● | ● |
| Lake Macatawa* (Ottawa Co.) | Carp | PCBs, Chlordane | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ◆ | ◆ | ◆ | ▼ | ▼ | ▼ | ▼ | ● | ● | ◆ | ◆ | ◆ | |
| | Walleye | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ● | ● | ● | ● | ● | | |
| Lake Paradise (Emmet Co.) | Largemouth Bass | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | | | |
| | Smallmouth Bass | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | | | |
| Long Lake (St. Joseph Co.) | Largemouth Bass | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | | | |
| Manistee Lake* (Manistee Co.) | Black Crappie | Mercury, PCBs | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | | ▼ | ● | ● | ● | | | | |
| | Bluegill | PCBs | ▲ | ▲ | ▲ | ▲ | | | | | | | | ▼ | ▼ | ▼ | ▼ | | | | |
| | Largemouth and Smallmouth Bass | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | | | |
| | Walleye | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | ● | ● | ● | ● | ● | | |
| Manistique River (Below M-94/ Old U.S. 2) | Carp | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| | Channel Catfish | PCBs | | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ■ | ■ | ■ | ■ | |
| Manistique River (Upstream from dam at Manistique) | Northern Pike | Mercury | | | | | | | ▼ | ▼ | ▼ | | | | | ● | ● | ● | | | |

* For species not listed, see general inland lake mercury advisory on page 6. 35

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

General Population

Women & Children

Length (inches)

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| Water body | Species | Contaminant(s) | General Population | | | | | | | | | Women & Children | | | | | | | | |
|---|-----------------|-----------------|--------------------|------|-------|-------|-------|-------|-------|-------|------|------------------|------|-------|-------|-------|-------|-------|-------|------|
| Lake Michigan Watershed <small>All other locations refer to general advice on page 6.</small> | | | Length (inches) | | | | | | | | | Length (inches) | | | | | | | | |
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
| Menominee River <small>(Below Quinnesec, Dickinson Co.)</small> | Carp | Mercury, PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ● | ● | ● | ● | ● | ■ |
| | Redhorse Sucker | Mercury, PCBs | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | |
| | Sturgeon | Mercury, PCBs | | | | | | | | | ▼ | | | | | | | | | ● |
| | Walleye | Mercury, PCBs | | | | | ▲ | ▼ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | ● |
| | White Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| Michigamme River System* <small>(Including Lake Michigamme, Michigamme Reservoir, Peavy Pond, and Paint River Pond)</small> | Burbot | Mercury | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● |
| | Northern Pike | Mercury | | | | | | | ▼ | ▼ | ▼ | | | | | | | ● | ● | ● |
| | Walleye | Mercury | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | ● |
| | White Sucker | Mercury | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● |
| Mona Lake* <small>(Muskegon Co.)</small> | Carp | PCBs | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Smallmouth Bass | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | | | ● | ● | ● | ● | |
| | Walleye | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ● | ● | ● | ● |
| Morrison Lake* <small>(Ionia Co.)</small> | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ● |
| | Largemouth Bass | | | | | | ▲ | ▲ | ▲ | ▲ | | | | | | ▲ | ▲ | ▲ | ▲ | |
| Muskegon Lake* <small>(Muskegon Co.)</small> | Carp | PCBs, Chlordane | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ◆ | ● | ● | ● | ● | ● | ● | ● | ● | ◆ |
| | Largemouth Bass | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | | | | | | ● | ● | ● | ● | |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | | | ▼ | ● | ● |
| | Smallmouth Bass | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | | | | | | ● | ● | ● | ● | |
| | Walleye | Mercury, PCBs | | | | | ▲ | ▲ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | ● |
| Muskegon River <small>(Below Croton Dam)</small> | Carp | PCBs, Chlordane | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ◆ | ● | ● | ● | ● | ● | ● | ● | ● | ◆ |
| | Redhorse Sucker | Mercury, PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | |
| | Walleye | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ● | ● | ● | ● |
| Net River <small>(Iron Co.)</small> | Northern Pike | Mercury | | | | | | | ▼ | ▼ | ▼ | | | | | | | ● | ● | ● |
| | Walleye | Mercury | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | ● |
| Palmer Lake <small>(St. Joseph Co.)</small> | Largemouth Bass | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | | | | | | ▲ | ● | ● | ● | |
| Pere Marquette Lake* <small>(Mason Co.)</small> | Northern Pike | Mercury, PCBs | | | | | | | ▼ | ▼ | ▼ | | | | | | | ● | ● | ● |
| | Redhorse Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | ● | ● | ● | ● | ● | ● | ● | ● | |

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

General Population

Women & Children

Length (inches)

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

Water body **Species** **Contaminant(s)**

Lake Michigan Watershed All other locations refer to general advice on page 6.

| Water body | Species | Contaminant(s) | General Population | | | | | | | | | Women & Children | | | | | | | | | |
|--|--------------------------------|----------------|--------------------|------|-------|-------|-------|-------|-------|-------|------|------------------|------|-------|-------|-------|-------|-------|-------|------|---|
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | |
| Pere Marquette River | Brown Trout | Mercury, PCBs | | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | | | ▼ | ▼ | ▼ | ● | ● | ● | ● | ● |
| | Redhorse Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| Portage Creek (Monarch Pond) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| Portage Creek (Below Monarch Mill Pond, Kalamazoo Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ● | ● | ● | ● | ● | ● | ● | ● | ● | ● |
| | Channel Catfish | PCBs | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Largemouth Bass | PCBs | | | | | ◆ | ◆ | ◆ | ◆ | | | | | ◆ | ◆ | ◆ | ◆ | | | |
| | Smallmouth Bass | PCBs | | | | | ◆ | ◆ | ◆ | ◆ | | | | | ◆ | ◆ | ◆ | ◆ | | | |
| | All other species | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| Portage Lake* (Manistee Co.) | Largemouth and Smallmouth Bass | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | | | |
| | Northern Pike | Mercury, PCBs | | | | | | | ▼ | ▼ | ▼ | | | | | | ● | ● | ● | | |
| Randall Lake Chain* (Branch Co.) | Northern Pike | Mercury, PCBs | | | | | | | ▼ | ▼ | ▼ | | | | | | ● | ● | ● | | |
| Red Cedar River | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ● | ● | ● | ● |
| Reed's Lake* (Kent Co.) | Largemouth Bass | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | | | |
| | Northern Pike | PCBs | | | | | | | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | | |
| | Walleye | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | |
| Ruddiman Creek Lagoon (Muskegon Co.) | Carp | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ◆ | ◆ | ● | ● | ● | ● | ● | ● | ◆ | ◆ | | |
| | Largemouth Bass | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | | | |
| Round Lake* (Marquette Co.) | Northern Pike | Mercury | | | | | | | ◆ | ◆ | ◆ | | | | | | ◆ | ◆ | ◆ | | |
| Selkirk Lake* (Allegan Co.) | Yellow Bullhead | Mercury | ▲ | ▲ | ▼ | ▼ | ▼ | | | | | ▲ | ▲ | ● | ● | ● | | | | | |
| St. Joseph River (Below Berrien Springs) | Carp | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Smallmouth Bass | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | | ● | ● | ● | ● | | | |
| | Walleye | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | |
| St. Joseph River (Including Chapin Lake* above Berrien Springs, Berrien Co.) | Carp | PCBs | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Smallmouth Bass | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | | | | | ● | ● | ● | ● | | | |
| St. Joseph River | Walleye | PCBs | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | |

* For species not listed, see general inland lake mercury advisory on page 6.

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

General Population

Women & Children

Length (inches)

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

Water body **Species** **Contaminant(s)**

Lake Michigan Watershed All other locations refer to general advice on page 6.

| | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------------------------|--------------------------|---|---|---|---|---|---|---|---|---|--|--|--|---|---|---|---|---|---|---|---|---|
| Stanley Lake (Iron Co.) | Walleye | Mercury | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | |
| Torch Lake* (Antrim Co.) | Brown Trout | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ● | ● | ● | ● | |
| | Lake Trout | Mercury, PCBs, Chlordane | | | | | ▲ | ▲ | ▼ | ◆ | ◆ | | | | | ▼ | ▼ | ● | ● | ● | ◆ | ◆ | |
| | Lake Whitefish | PCBs, Dioxin | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | ◆ | ◆ | ◆ | ◆ |
| | Smallmouth Bass | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | | | | | | | | ● | ● | ● | ● | | |
| | Yellow Perch | Mercury | ▲ | ▲ | ▲ | ▼ | ▼ | | | | | | | | | ▲ | ▲ | ▲ | ● | ● | | | |
| Union Lake* (St. Joseph R., Branch Co.) | Carp, Catfish | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| Unnamed Lake* (Baraga Co., T49N, R31W, S35) | Nothorn Pike | Mercury | | | | | | | ◆ | ◆ | ◆ | | | | | | | | | ◆ | ◆ | ◆ | |
| | Walleye | Mercury | | | | | ▼ | ▼ | ◆ | ◆ | ◆ | | | | | | ● | ● | ◆ | ◆ | ◆ | | |
| | Yellow Perch | Mercury | ▲ | ▼ | ◆ | ◆ | ◆ | | | | | | | | ▲ | ● | ◆ | ◆ | ◆ | | | | |
| Walloon Lake* (Charlevoix Co.) | Rock Bass | Mercury | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | |
| | Yellow Perch | Mercury | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | |
| West Branch Lakes, SE and SW* (Alger Co., T48N, R14W, S31) | Northern Pike | Mercury | | | | | | | ◆ | ◆ | ◆ | | | | | | | | | ◆ | ◆ | ◆ | |
| | Walleye | Mercury | | | | | ▼ | ▼ | ◆ | ◆ | | | | | | | | ● | ● | ◆ | ◆ | | |
| | Yellow Perch | Mercury | ▲ | ▼ | ◆ | ◆ | ◆ | | | | | | | | ▲ | ● | ◆ | ◆ | ◆ | | | | |
| White Lake (Muskegon Co.) | Carp | PCBs, Chlordane | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | | | | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ |
| | Smallmouth Bass | Mercury, PCBs | | | | | ▼ | ▼ | ▼ | ▼ | | | | | | | | ● | ● | ● | ● | | |
| | Walleye | Mercury, PCBs | | | | | ▲ | ▲ | ▲ | ▼ | ▼ | | | | | | | ▼ | ● | ● | ● | ● | |
| *All inland lakes, reservoirs, and impoundments (mercury advisory) | Crappie | Mercury | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | | | ▲ | ● | ● | ● | ● | ● | | | |
| | Largemouth and Smallmouth Bass | Mercury | | | | | ▼ | ▼ | ▼ | ▼ | | | | | | | | ● | ● | ● | ● | | |
| | Muskellunge | Mercury | | | | | | | | | | | | | | | | | | | | | ● |
| | Northern Pike | Mercury | | | | | | | ▼ | ▼ | ▼ | | | | | | | | | ● | ● | ● | |
| | Rock Bass | Mercury | ▲ | ▼ | ▼ | ▼ | ▼ | | | | | | | | ▲ | ● | ● | ● | ● | | | | |
| | Walleye | Mercury | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | | | | ● | ● | ● | ● | ● | |
| | Yellow Perch | Mercury | ▲ | ▼ | ▼ | ▼ | ▼ | | | | | | | | ▲ | ● | ● | ● | ● | | | | |

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

General Population

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

Women & Children

Length (inches)

| | | | | | | | | |
|-----|------|-------|-------|-------|-------|-------|-------|------|
| 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
|-----|------|-------|-------|-------|-------|-------|-------|------|

Water body **Species** **Contaminant(s)**

Lake Superior Watershed All other locations refer to general advice on page 6.

| Lake Superior # | Species | Contaminant(s) | General Population | | | | | | | | Women & Children | | | | | | | | | |
|---|-------------------|--------------------------|--------------------|------|-------|-------|-------|-------|-------|-------|------------------|-----|------|-------|-------|-------|-------|-------|-------|------|
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
| Lake Superior # | Brown Trout | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| | Chinook Salmon | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ● | ● | ● | ● | ● | ● | ● |
| | Ciscowet | Chlordane, PCBs, Dioxin | | | ▲ | ▲ | ▲ | ◆ | ◆ | ◆ | ◆ | | | ● | ● | ● | ◆ | ◆ | ◆ | ◆ |
| | Coho Salmon | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| | Lake Herring | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ● | |
| | Lake Trout | PCBs, Chlordane, Mercury | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | | | ▼ | ▼ | ▼ | ▼ | ▼ | ● | ◆ |
| | Longnose Sucker | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| | Whitefish | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ |
| Au Train Lake* (Alger Co.) | Northern Pike | Mercury | | | | | | | ▲ | ▲ | ▼ | | | | | | ▲ | ▲ | ● | |
| Boston Pond* (Houghton Co.) | Yellow Perch | Mercury | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | |
| Carp River (Downstream of Deer Lake, Marquette Co.) | Brook Trout | Mercury | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | |
| | Northern Pike | Mercury | | | | | | | ▼ | ▼ | ▼ | | | | | | ● | ● | ● | |
| | All other species | Mercury | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| Carp Creek (Upstream of Deer Lake, Marquette Co.) | Brook Trout | Mercury | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | |
| | All other species | Mercury | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| Chaney Lake* (Gogebic Co.) | Northern Pike | Mercury | | | | | | | ▼ | ◆ | ◆ | | | | | | ● | ◆ | ◆ | |
| | Yellow Perch | Mercury | ▲ | ▲ | ▲ | ▲ | ▲ | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | | | | |
| Cisco Lake Chain* (Gogebic Co.) | Walleye | | | | | | ▲ | ▲ | ▲ | ▲ | | | | | ▲ | ▲ | ▲ | ▲ | ▲ | |
| Deer Lake (Marquette Co.) | All species | Mercury | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | ◆ | |
| Duck Lake* (Gogebic Co.) | Walleye | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | ▼ | | | | ▲ | ● | ● | ● | ● | |
| Lake Gogebic (Gogebic Co.) | Walleye | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | ▼ | | | | ▲ | ● | ● | ● | ● | |
| Lake Independence* (Marquette Co.) | Northern Pike | Mercury | | | | | | | ▲ | ▲ | ▼ | | | | | | ▲ | ▲ | ● | |
| Langford Lake* (Gogebic Co.) | Walleye | Mercury | | | | | ▲ | ▲ | ◆ | ◆ | ◆ | | | | ▲ | ▲ | ◆ | ◆ | ◆ | |
| Pomeroy Lake* (Gogebic Co.) | Walleye | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | ▼ | | | | ▲ | ● | ● | ● | ● | |

* For species not listed, see general inland lake mercury advisory on page 6.
 # Also applies to tributaries into which migratory species enter.

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

| Water body | Species | Contaminant(s) | General Population | | | | | | | | Women & Children | | | | | | | | | |
|---|--------------------------------|----------------|--------------------|------|-------|-------|-------|-------|-------|-------|------------------|-----|------|-------|-------|-------|-------|-------|-------|------|
| | | | Length (inches) | | | | | | | | Length (inches) | | | | | | | | | |
| | | | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + | 6-8 | 8-10 | 10-12 | 12-14 | 14-18 | 18-22 | 22-26 | 26-30 | 30 + |
| Lake Superior Watershed All other locations refer to general advice on page 6. | | | | | | | | | | | | | | | | | | | | |
| Portage Lake* (Houghton Co.) | Brown Trout | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ▲ | ▲ | ▼ | ▼ | ● | ● | ● |
| | Walleye | Mercury, PCBs | | | | | ▲ | ▲ | ▼ | ▼ | ▼ | | | | ▲ | ▲ | ● | ● | ● | |
| Siskiwit Lake* (Isle Royale) | Lake Trout | PCBs | | | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | | | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| | Lake Whitefish | PCBs | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ | ▼ |
| Thousand Island Lake* (Gogebic Co.) | Walleye | Mercury | | | | | ▲ | ▼ | ▼ | ▼ | ▼ | | | | ▲ | ● | ● | ● | ● | |
| Torch Lake* (Houghton Co.) | Northern Pike | Mercury, PCBs | | | | | | | ▲ | ▲ | ▼ | | | | | | ▼ | ▼ | ● | |
| | Smallmouth Bass | Mercury, PCBs | | | | | ▲ | ▼ | ▼ | ▼ | | | | | ▼ | ● | ● | ● | | |
| | Walleye | Mercury, PCBs | | | | | ▲ | ▲ | ▼ | ▼ | ▼ | | | | ▼ | ▼ | ● | ● | ● | |
| *All inland lakes, reservoirs, and impoundments (mercury advisory) | Crappie | Mercury | ▲ | ▼ | ▼ | ▼ | ▼ | ▼ | | | | ▲ | ● | ● | ● | ● | | | | |
| | Largemouth and Smallmouth Bass | Mercury | | | | | ▼ | ▼ | ▼ | ▼ | | | | | ● | ● | ● | ● | | |
| | Muskellunge | Mercury | | | | | | | | | ▼ | | | | | | | | ● | |
| | Northern Pike | Mercury | | | | | | | ▼ | ▼ | ▼ | | | | | | ● | ● | ● | |
| | Rock Bass | Mercury | ▲ | ▼ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | ● | | | | |
| | Walleye | Mercury | | | | | ▼ | ▼ | ▼ | ▼ | ▼ | | | | ● | ● | ● | ● | ● | |
| | Yellow Perch | Mercury | ▲ | ▼ | ▼ | ▼ | ▼ | | | | | ▲ | ● | ● | ● | ● | | | | |

- # Also applies to tributaries into which migratory species enter.
- * For species not listed, see general inland lake mercury advisory on page 6.
- A. When multiple contaminants are listed, each chemical was analyzed separately for the appropriate advisory and the most protective advisory selected.

Updated May 2003. Advisory updates may be issued at any time upon receipt of significant new findings or changes in advisory criteria. For further information or the most up-to-date advice contact the Michigan Department of Community Health Environmental & Occupational Epidemiology Division at 1-800-648-6942.



*Michigan Department
of Community Health*



*Jennifer M. Granholm, Governor
Janet Olszewski, Director*

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