



Appendix E

LAKE ONTARIO SPORTFISH ADVISORIES



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United States Lake Ontario Fish Consumption Advisories, 1996-1997

The following recommendations are based on contaminant levels in fish. To minimize potential adverse health impacts, the New York State Department of Health recommends:

- # Eat no more than one meal (one-half pound) per week of fish.
- # Women of childbearing age, infants, and children under the age of 15 should not eat any fish.
- # In addition to these general recommendations, more stringent advisories exist for the following species and locations:

Table E-1.

Location	Species	Recommendations	Chemical(s) of Concern
Including Niagara River below Niagara Falls (see Niagara River for additional advice)	American eel, channel catfish, carp, lake trout, chinook salmon, rainbow trout, coho salmon over 21", and brown trout over 20"	Eat none	PCB, Minex, Dioxin
	White sucker, smaller coho salmon and brown trout	Eat no more than one meal per month	PCB, Mirex, Dioxin
West of Point Breeze	White Perch	Eat none	PCB, Mirex, Dioxin
East of Point Breeze	White Perch	Eat no more than one meal per month	PCB, Mirex, Dioxin



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Contaminants Causing Sport Fish Consumption Advisories in Canadian Waters of Lake Ontario, 1997-1998

Consumption recommendations for sport fish from the Canadian waters of Lake Ontario are given in the **1997-1998 Guide to Eating Ontario Sport Fish** published by the Ontario Ministry of the Environment and Ministry of Natural Resources. Fish consumption advisory tables are provided in blocks or regions for the lake. Consumption advice is specific to the location where the fish is caught, the species of fish, and the size of fish.

The following table summarizes the principal contaminant of concern which is responsible for causing the consumption restrictions. Blocks refer to the 1997-1998 **Guide to Eating Ontario Sport Fish**.

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**Table E-2.
Ontario Sportfish Consumption Advisories, 1985-1994**

Block	Species	Contaminant
1a. Upper Niagara River	Rainbow Trout Northern Pike Smallmouth Bass Largemouth Bass Yellow Perch White Bass Rock Bass Brown Bullhead Carp Freshwater Drum White Sucker Redhorse Sucker Rainbow Smelt	- - Mercury - - PCBs - - - PCBs - - Mercury PCBs
1b. Lower Niagara River	Chinook Rainbow Trout Lake Trout Smallmouth Bass Yellow Perch White Perch White Bass Rock Bass Brown Bullhead Carp Channel Catfish Freshwater Drum White Sucker Redhorse Sucker American Eel Rainbow Smelt	Mirex PCBs PCBs PCBs Mercury PCBs PCBs - PCBs PCBs PCBs - PCBs PCBs PCBs PCBs PCBs
2. Western Lake Ontario	Chinook Coho Rainbow Trout Brown Trout Lake Trout Walleye Northern Pike Smallmouth Bass Yellow Perch White Perch White Bass Brown Bullhead Channel Catfish Freshwater Drum Carp Rainbow Smelt	PCBs/mirex PCBs Mirex/PCBs PCBs PCBs Mercury - Mercury - PCBs PCBs PCBs PCBs Mercury PCBs PCBs
3. Hamilton Harbour	Brown Trout Yellow Perch White Perch White Bass Black Crappie Brown Bullhead Channel Catfish Freshwater Drum Carp White Sucker Rainbow Smelt	PCBs/mirex PCBs PCBs PCBs PCBs PCBs/mirex PCBs PCBs PCBs PCBs PCBs Mirex/PCBs

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Block	Species	Contaminant
4. Toronto Offshore	Chinook Brown Trout Lake Trout Yellow Perch Carp White Sucker	PCBs/mirex PCBs PCBs/mirex/dioxins - PCBs -
4a. Toronto Waterfront	Brown Trout Lake Trout Northern Pike Largemouth Bass Yellow Perch White Perch Rock Bass Pumpkinseed Bluegill Brown Bullhead Carp White Sucker Rainbow Smelt	PCBs/mirex PCBs - Mercury - PCBs Mercury - - Mirex PCBs PCBs PCBs
5. Credit River	Chinook Coho Rainbow Trout Brown Trout	Mirex/PCBs Mirex Mirex Mirex
6. Northwestern Lake Ontario	Chinook Rainbow Trout Brown Trout Lake Trout Walleye Smallmouth Bass White Bass Brown Bullhead Rainbow Smelt Gizzard Shad	PCBs PCBs PCBs/mirex Dioxins Mercury Mercury PCBs - PCBs PCBs
6a. Frenchman Bay	Northern Pike Yellow Perch Brown Bullhead Carp	Mercury - PCBs PCBs
6b. Whitby Harbour	Northern Pike Brown Bullhead White Sucker	- Mercury -
7. Ganaraska River	Chinook Coho Rainbow Trout Brown Trout Lake Trout	PCBs/mirex Mirex/PCBs Mirex PCBs/mirex PCBs
8. Northeastern Lake Ontario	Chinook Rainbow Trout Brown Trout Lake Trout Smallmouth Bass Rock Bass Walleye American Eel	Mirex/PCBs Mirex PCBs/mirex Mirex/PCBs Mercury - Mercury PCBs

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Block	Species	Contaminant
9. Upper Bay of Quinte	Walleye Northern Pike Smallmouth Bass Largemouth Bass Yellow Perch White Perch Pumpkinseed Brown Bullhead Channel Catfish Freshwater Drum White Sucker American Eel	Mercury - - - - - - - - - - - - PCBs
10. Middle Bay of Quinte	Walleye Northern Pike Yellow Perch White Perch Pumpkinseed Brown Bullhead White Sucker American Eel Gizzard Shad	- - - - - - - - PCBs PCBs
11. Lower Bay of Quinte/ Eastern Lake Ontario	Chinook Brown Trout Lake Trout Walleye Northern Pike Smallmouth Bass Yellow Perch White Perch Rock Bass Whitefish Freshwater Drum White Sucker American Eel	PCBs Mirex PCBs/mirex Mercury/mirex Mercury Mercury PCBs - - Dioxins - PCBs PCBs/mirex

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**Table E-3.
Ontario Sport Fish Consumption Advisories Caused by Mercury, 1985-1995**

Area	Species	Location	Year
Upper Niagara River	Smallmouth Bass Redhorse Sucker Freshwater Drum	Strawberry Island Fort Erie Fort Erie	1994 1985 1985*
Lower Niagara River	Yellow Perch Smallmouth Bass	Queenston/Fort George Queenston-Whirlpool	1995 1985*
Western Lake Ontario	Walleye Smallmouth Bass	Niagara Bar Niagara Bar	1994 1994
Toronto Waterfront	Largemouth Bass Rock Bass	Toronto Islands Ontario Place	1990 1992
Hamilton Harbour	Freshwater Drum		1985**
Northwestern Lake Ontario	Walleye Smallmouth Bass	Pickering NGS Rouge Marsh	1989 1993
Frenchman Bay	Northern Pike		1986
Whitby Harbour	Brown Bullhead		1993
Northeastern Lake Ontario	Smallmouth Bass Walleye	Block Gravelly Bay	1995 1987
Upper Bay of Quinte	Walleye American Eel	Block Block	1995 1993**
Lower Bay of Quinte/ Eastern Lake Ontario	Walleye Northern Pike Smallmouth Bass	Block Nearshore, North Channel Block	1994 1989 1993

* No longer an advisory restriction due to mercury, due to updated results.

** Advisory restriction now based on PCBs, due to lowering of guideline.