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DNR Finds High Levels of Chemicals in Trout

By WILLIAM J. HOLSTEIN

LANSING (UPI) — The state Department of Natural Resources says "alarming" levels of the industrial chemical PCB have been detected in Lake Michigan trout. Other fish and birds have either died or suffered reproductive failure.

A DNR staff report, presented to the Natural Resources Commission, asserted that efforts to rid the environment of polychlorinated biphenyl had been largely ineffective because the levels of the chemical have actually increased in some fish.

DNR Director Howard Tanner said PCB damage to fish had reached such serious proportions that his agency would begin pushing for a total ban on the use of the chemical.

The Lake Michigan Toxic Substances Committee, with representatives from Michigan, Indiana, Illinois and Wisconsin, already has asked the U.S. Environmental Protection Agency to push for a nationwide ban on the use of PCB.

The DNR report also said the chemical has been detected in snowfall in Wisconsin and that proper disposal techniques are not being used.

Although levels of DDT and mercury in Great Lakes fish are rapidly declining, the DNR report said PCB has been found in increasing concentrations in lake trout in recent years.

"The concentrations in lake trout are alarming because of what now appears to be an increase in concentrations over the three-year period," the report, authored by water quality expert John L. Hesse, said.

The U.S. Food and Drug Administration has begun seizing shipments of Lake Michigan fish on grounds that PCB concentrations exceed the agency's guideline of 5 parts per million.

The federal agency also has seized Michigan fish because of high concentrations of an insecticide called dieldrin.

PCB is a group of compounds used in many industrial processes as a hydraulic fluid, heat transfer fluid, insulation in electrical transformers and other forms. The sole U.S. producer is Monsanto Chemical Co.

"A serious situation exists with respect to populations of fish-eating birds in the Great Lakes area," the DNR report said. "Severe reproductive failure has been identified in herring gull colonies around Lake Ontario."

Hesse said PCB has been identified as the culprit responsible for high mortality and disease rates among newly hatched birds in the Great Lakes area.

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