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Fish waste helps clean ocean water

By **THE CANADIAN PRESS**

VANCOUVER -- The world's oceans are getting help controlling harmful acid levels from an unseemly source, according to a study that found fish waste plays a key role in neutralizing carbon dioxide in the marine environment.

Canadian scientists discovered that when fish drink seawater they excrete calcium as calcium carbonate -- a chalky substance that can make seawater more alkaline and diminish the carbon dioxide in the water.

The unusual finding is helping researchers understand the marine carbon cycle and how nature works to reduce CO2 levels that can raise sea temperatures and harm sea life.

"It's going be critical that we understand how much carbon dioxide the oceans can absorb," said Pat Walsh, a University of Ottawa marine biologist who co-wrote the study that appears in the journal Science today.

"What we've done is taken another step forward in understanding another piece of that oceanographic puzzle and how the oceans can absorb CO2."

Research teams from Ontario, B.C., the U.S. and the U.K. found the bulk of the world's fish species, excluding sharks and rays, produced the carbonate to counter salt they ingested in seawater.

