

# Mexico's 'water monster' may have disappeared (Update)

January 28 2014, by Mark Stevenson

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In this Sept. 27, 2008 file photo, a salamander-like axolotl, also known as the "water monster" and the "Mexican walking fish," swims in a tank at the Chapultepec Zoo in Mexico City. The axolotl may have disappeared from its only known natural habitat, Mexico City's Lake Xochimilco. Biologist Luis Zambrano of Mexico's National Autonomous University said Tuesday, Jan. 28, 2014, the most recent three-month attempt to net axolotls found not one of the creatures. (AP Photo/Dario Lopez-Mills, File)

Mexico's salamander-like axolotl may have disappeared from its only

known natural habitat in Mexico City's few remaining lakes.

It's disturbing news for an admittedly ugly creature, which has a slimy tail, plumage-like gills and mouth that curls into an odd smile.

The axolotl is known as the "water monster" and the "Mexican walking fish." Its only natural habitat is the Xochimilco network of lakes and canals—the "floating gardens" of earth piled on reed mats that the Aztecs built to grow crops but are now suffering from pollution and urban sprawl.

Biologist Armando Tovar Garza of Mexico's National Autonomous University said Tuesday that the creature "is in serious risk of disappearing" from the wild.

Describing an effort last year by researchers in skiffs to try to net axolotls in the shallow, muddy waters of Xochimilco, Tovar Garza summed up the results as "four months of sampling—zero axolotls."

Some axolotls still survive in aquariums, water tanks and research labs, but experts said those conditions aren't the best, because of interbreeding and other risks.

Growing up to a foot long (30 centimeters), axolotls use four stubby legs to drag themselves along the bottom or thick tails to swim in Xochimilco's murky channels while feeding on aquatic insects, small fish and crustaceans. But the surrounding garden-islands have increasingly been converted to illicit shantytowns, with untreated sewage often running off into the water.



This Oct. 8, 2008 file photo shows a canal in Xochimilco Lake in Mexico City. The salamander-like axolotl, also known as the "water monster" and the "Mexican walking fish," may have disappeared from its only known natural habitat, Lake Xochimilco. Biologist Luis Zambrano of Mexico's National Autonomous University said Tuesday, Jan. 28, 2014, the most recent three-month attempt to net axolotls found not one of the creatures. (AP Photo/Dario Lopez-Mills, File)

The Mexican Academy of Sciences said in a statement that a 1998 survey found an average of 6,000 axolotls per square kilometer, a figure that dropped to 1,000 in a 2003 study, and 100 in a 2008 survey.

Tovar Garza said it is too early to declare the axolotl extinct in its natural habitat. He said that in early February, researchers will begin a three-month search in hopes of finding what may be the last free-roaming axolotl.

The searches "on almost all the canals have to be repeated, because now we are in the cold season, with lower temperatures, and that is when we ought to have more success with the axolotls, because it is when they breed," Tovar Garza said.

Alarmed by the creature's falling numbers in recent years, researchers built axolotl "shelters" in Xochimilco.

Sacks of rocks and reedy plants act as filters around a selected area, and cleaner water is pumped in, to create better conditions. The shelters also were intended to help protect the axolotls from non-native carp and tilapia that were introduced to the lake system years ago and compete with axolotls for food.

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