

Gavia Immer

BY HARRY VOGEL

line and still trails a hook and sinker, or strike directly at a lead-headed jig being trolled through the water. Whatever the method of ingestion, the result is invariably fatal. The good news is that loons can swallow non-lead sinkers (a wide variety of alterna-

tives exist and are readily available) with little or no ill effect. Another challenge for our loons is contaminants,

especially those that bioaccumulate in long-lived animals over time, and biomagnify at higher levels of aquatic food webs. Mercury is a potent neurotoxin that affects hatching success of loon eggs and the ability of adult loons to secure a territory and incubate eggs. More recently, we have found new consequences of our conveniences—flame retardants, stain repellants, and byproducts of combustion—in loon eggs, in concentrations that have been shown to affect the health and/or reproductive success of other birds. These new threats have joined climate change and other man-made challenges to cause five consecutive years of declines in the number of loon chicks hatched in New Hampshire—a trend that cannot continue if loons are to grace our lakes and move our spirits in years to come.

New Hampshire's lakes held just 247 pairs of loons in 2008. Loons are still abundant in Maine and small populations exist in Vermont and Massachusetts, but historical populations as far south as Pennsylvania could not cope with the rapid changes in our modern world.

The Loon Preservation Committee (LPC) was formed in 1975 in response to dramatically declining loon populations. LPC has discovered that loons are uniquely able to illuminate threats to other wildlife and to aquatic environments. This insight has led LPC to monitor the health and productivity of loon populations as sentinels of environmental quality. The continued existence of these spirits of our northern lakes will rest on fostering a culture of respect and appreciation that will allow loons to thrive.

Harry Vogel is the senior biologist and executive director of the Loon Preservation Committee in New Hampshire, The LPC will have a brand new, Web site available in the early spring of 2009.

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For more information visit:

www.loon.org

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