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Response of Yellow Perch to Changes in the Benthic Invertebrate Community of Western Lake Erie


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Pages 766-782 | Received 19 Sep 2000, Accepted 10 May 2001, Published online: 09 Jan 2011

🗨️ Cite this article 🔗 [https://doi.org/10.1577/1548-8659\(2001\)130<0766:ROYPTC>2.0.CO;2](https://doi.org/10.1577/1548-8659(2001)130<0766:ROYPTC>2.0.CO;2)

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Abstract

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marginally more than in the 1980s, suggesting that submaintenance feeding episodes were less frequent. In recent years, yellow perch growth rates have increased modestly, and yellow perch abundance has rebounded. The growth rate of age-3 yellow perch during the year before spawning explained 49% of the variation in age-0 recruitment, indicating that adult growth and condition may influence recruitment. We suggest that increases in benthic macroinvertebrate abundance are responsible, in part, for the increases in yellow perch growth and recruitment. We also suggest that yellow perch diets are a useful indicator of changes in the benthic community.

Related Research Data

Fine-scale population genetic structure of the yellow perch *Perca flavescens* in Lake Erie

Source: Canadian Science Publishing

Physical-biological coupling and the challenge of understanding fish recruitment in freshwater lakes

Source: Canadian Science Publishing

A review of the species, community, and ecosystem impacts of road salt salinisation in fresh waters

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Fluctuations of perch populations in Lake Geneva from 1984 to 2011 estimated from the n

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