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**Prehistoric
copper mining
pollution in
North America**



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ON THE COVER: Michigan's copper mines on the southern shore of Lake Superior are some of the oldest in the world. In this issue evidence is presented that demonstrates lead pollution from prehistoric copper mining can be detected in lake sediments from 8,000 to 5,000 years ago.

Comment

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[dx.doi.org/10.1021/es4018927](https://doi.org/10.1021/es4018927)

The Challenge of Water Sustainability

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[dx.doi.org/10.1021/es4017415](https://doi.org/10.1021/es4017415)

Reclamation and Utilization of Saline Soils in Arid Northwestern China: A Promising Halophyte Drip-Irrigation System

Lei Wang, Zhen-Yong Zhao, Ke Zhang, and Chang-Yan Tian*

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[dx.doi.org/10.1021/es401463s](https://doi.org/10.1021/es401463s)

PCDD/Fs in Fly Ash from Waste Incineration in China: A Need for Effective Risk Management

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[dx.doi.org/10.1021/es401544j](https://doi.org/10.1021/es401544j)

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Christian E. H. Beaudrie,* Milind Kandlikar, and Terre Satterfield

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[dx.doi.org/10.1021/es305209a](https://doi.org/10.1021/es305209a)

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Lake Sediments Record Prehistoric Lead Pollution Related to Early Copper Production in North America

David P. Pompeani,* Mark B. Abbott, Byron A. Steinman, and Daniel J. Bain

5553  dx.doi.org/10.1021/es304398j

Scavenging Amphipods: Sentinels for Penetration of Mercury and Persistent Organic Chemicals into Food Webs of the Deep Arctic Ocean

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Automated Mineralogical Analysis of PM₁₀: New Parameters for Assessing PM Toxicity

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5588  dx.doi.org/10.1021/es400078d

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6063 dx.doi.org/10.1021/es401204q
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