

Elements

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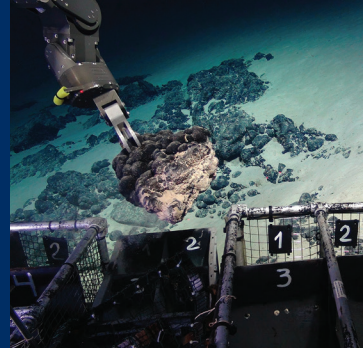
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A sample of ferromanganese crust collected from the top of Tropic Seamount (northeast Atlantic Ocean) by the UK's remotely operated vehicle *Isis* during Marine E-tech cruise JC142 on the RRS *James Cook*. The 120 Ma seamount hosts abundant crusts from its top, at 1,000 m depth, to its bottom, at 4,000 m. *Isis* is operated by the National Oceanography Centre. ©UKRI 2018

Deep-Ocean Mineral Deposits

Guest Editors: **Paul A. J. Lusty** and **Bramley J. Murton**



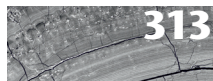
Deep-Ocean Mineral Deposits: Metal Resources and Windows into Earth's Processes

Paul A. J. Lusty and Bramley J. Murton



Modern Seafloor Hydrothermal Systems: New Perspectives on Ancient Ore-Forming Processes

Sven Petersen, Berit Lehrmann, and Bramley J. Murton



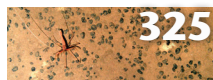
Formation and Occurrence of Ferromanganese Crusts: Earth's Storehouse for Critical Metals

Paul A. J. Lusty, James R. Hein, and Pierre Josso



Metal Extraction from Deep-Ocean Mineral Deposits

Mikhail V. Zubkov, Pawel K. Plucinski, Adrien C. Y. Dartiguelongue and Paul A. J. Lusty



Mining Deep-Ocean Mineral Deposits: What are the Ecological Risks?

Daniel O. B. Jones, Diva J. Amon, Abbie S. A. Chapman



Deep-Sea Mining: International Regulatory Challenges and Responses

Michael W. Lodge and Philomène A. Verlaan

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