



MODULE 5, LESSON 7

DEVELOPMENT OF MINING TECHNOLOGY FOR SEAFLOOR MASSIVE SULPHIDES AND COBALT-RICH FERROMANGANESE CRUSTS.

READING LIST

RECOMMENDED READING

Advances in Marine Biology: Volume 54 - Seafloor Massive Sulfides in the Okinawa Trough" by Jun Hashimoto and Katsunori Fujikura (Editors) - This volume focuses on SMS deposits in the Okinawa Trough, providing valuable insights into their geological characteristics, biodiversity, and potential mining implications.

Cobalt-rich Ferromanganese Crusts: State of the Art in Geological, Mineralogical and Geochemical Understanding" by Pedro M. Aguiar, Tracy D. Frank, et al. (Editors) - This book provides a comprehensive overview of cobalt-rich ferromanganese crusts, including their geological context, mineralogical composition, and geochemical characteristics.

Marine Mineral Resources" by Yves Fouquet and J. Hannington Mark (Editors) - This book covers various aspects of marine mineral resources, including cobalt-rich ferromanganese crusts, polymetallic nodules, and hydrothermal vent deposits, offering insights into their geological occurrence, exploration methods, and potential exploitation.

National Oceanic and Atmospheric Administration (NOAA) Ocean Explorer: The NOAA Ocean Explorer website offers various articles, videos, and expedition summaries related to deep-sea exploration, including SMS deposits. You can explore their SMS-specific content [here](<https://oceanexplorer.noaa.gov/explorations/explorations.html>).

International Seabed Authority (ISA): The ISA website provides reports, publications, and presentations on deep-sea mining activities, including research on SMS deposits. You can access their resources [here](<https://www.isa.org.jm/publications-and-reports>).