MODULE 5, LESSON 4

METHODS AND TOOLS FOR EXPLORATION FOR POLYMETALLIC SULPHIDES IN THE AREA

READING LIST

REQUIRED READING

Petersen, S., Krätschell, A., Augustin, N., Jamieson, J., Hein, J. R., & Hannington, M. D. (2016). News from the seabed – Geological characteristics and resource potential of deep-sea mineral resources. Marine Policy, 70, 175–187. https://doi.org/10.1016/j.marpol.2016.03.012

Jamieson, J. W., & Gartman, A. (2020). Defining active, inactive, and extinct seafloor massive sulfide deposits. Marine Policy, 117, 103926. https://doi.org/10.1016/j.marpol.2020.103926

deMartin, B. J., Sohn, R. A., Pablo Canales, J., & Humphris, S. E. (2007). Kinematics and geometry of active detachment faulting beneath the Trans-Atlantic Geotraverse (TAG) hydrothermal field on the Mid-Atlantic Ridge. Geology, 35(8), 711. https://doi.org/10.1130/G23718A.1

Murton, B. J., Lehrmann, B., Dutrieux, A. M., Martins, S., de la Iglesia, A. G., Stobbs, I. J., Barriga, F. J. A. S., Bialas, J., Dannowski, A., Vardy, M. E., North, L. J., Yeo, I. A. L. M., Lusty, P. A. J., & Petersen, S. (2019). Geological fate of seafloor massive sulphides at the TAG hydrothermal field (Mid-Atlantic Ridge). Ore Geology Reviews, 107, 903–925. https://doi.org/10.1016/j.oregeorev.2019.03.005

OPTIONAL READING

German, C. R., Petersen, S., & Hannington, M. D. (2016). Hydrothermal exploration of mid-ocean ridges: Where might the largest sulfide deposits be forming? Chemical Geology, 420, 114–126. https://doi.org/10.1016/j.chemgeo.2015.11.006