

Regional and temporal variability in deposition of marine manganese minerals: A cooperative study in the Northwestern Pacific seamounts.

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We report the findings of geological and geochemical analyses of the marine manganese deposits collected during the cruises of the last years and our interpretation on parameters controlling the grade and abundance of the deposits over the areas and depths. We have found small- and regional-scale occurrence and compositions in relation to oceanographic and geological environments. We used ROVs, submersibles and surface ships, jointly with JAMSTEC, JOGMEC, GSJ and other organizations. The program is planned for next two-three years.

Keywords: crust, manganese, northwestern