

## **Atlas of Stratiform ore deposits buried in sedimentary cover of the Pacific ocean**

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In many regions of the World ocean ore horizons, are uncovered in the sedimentary cover by deep-sea drilling. These horizons are formed by macro- and micronodules which are similar to those known at the floor of the oceans. Horizons with nodules present a new type of multilayer stratiform ore deposits. The Atlas of the maps (scale 1: 5 000 000 - 1: 2 000 000) and geological-geophysical sections is compiled for four regions of the Pacific ocean (Clarion-Clipperton, Galapagos, Shatsky Rise, Philippine) on the base of deep-sea drilling data, and results of geophysical investigations. The Atlas indicates a geology of different-age horizons, structure of oceanic crust, thermal regime of the lithosphere, thickness and distribution of stratiform deposits. When a top of upper ore horizon coincides with a surface of the sea floor, a study of geology of stratiform ore deposits has not only theoretical but great economic significance.

On the base of the Atlas, the estimate of potential resources of metals (manganese, copper, nickel, cobalt) has been made for four regions mentioned above. These resources are tens and hundreds billion tones and their cost is more than 100 trillions doll. USA. With no doubt, these resources will be one of sources of providing with metals of our planet in the Third Millennium.