

Medium scale crustal structure based on magnetic and gravity anomalies in the eastern part of Hokkaido, Japan. -part 2

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The Pacific coast of the eastern Hokkaido (from Kushiro to Nemuro Peninsula) is characterized by high gravity and high magnetic anomalies. However, it was difficult to get a suitable model due to gravity anomalies on land and aeromagnetic anomalies. We sampled basalts in this area and measured densities, natural remanent magnetization, susceptibilities and other magnetic properties. These results were presented in Japan Geoscience Union Meeting 2007. Moreover, new gravity and magnetic anomaly maps of offshore of cape Ochiishi were published by GSJ, AIST (2012). We picked up profiles and modified previous models. Data including new profiles suggested similar models to previous studies.

Keywords: magnetic property, magnetic anomaly, gravity anomaly, Nemuro, Hokkaido