

## **The Subsurface Investigation in Bangkok Metropolis Area and Its Vicinity by Regional Gravity and Aeromagnetic Survey**

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### **ABSTRACT**

The Bangkok metropolitan area and vicinity are in the lower part of the Central Plain of Thailand. They are underlain by thick Quaternary sediments. Regional gravity and aeromagnetic data indicate the presence of major faults underlying the Bangkok area. These faults trend northwest-southeast and north-south and include the Ongkharak fault. A north-south-oriented graben is 900 meters below the surface of north Bangkok. High gravity and magnetic anomalies in both Chaechoengsao and Prachin Buri Provinces suggest the presence of subsurface volcanic rock in these two provinces.

**KEYWORDS:** Bangkok Metropolis, regional gravity survey, aeromagnetic survey