

Title : Petrography of Basalt in Nam Choe Subdistrict, Mae Tha District, Lampang Province

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ABSTRACT

The basalt in the Nam Choe Subdistrict, Mae Tha District, Lampang Province, exhibits slight alteration and/or in-situ weathering. The rocks are predominantly grayish-black and mostly display an indistinct porphyritic texture. Phenocrysts mainly consist of olivine and clinopyroxene, with a minor amount of plagioclase. These phenocrysts occur as both individual crystals and mineral clusters, including plagioclase, olivine, clinopyroxene, plagioclase-olivine, plagioclase-clinopyroxene, and clinopyroxene-olivine. The groundmass is characterized primarily by holocrystalline and lath-shaped (felted) textures, with a very small proportion exhibiting glassy (vitrophyric) texture. The groundmass composition is dominated by plagioclase, with subordinate amounts of clinopyroxene and olivine.

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