

**Stratigraphy and Coal Petrology of the New Mulpun Basin,
X Lake District, Chile.**

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In this work, gravimetry and cutting descriptions, configure an elongated NW-SE striking basin infilled with Tertiary marine-paralic rocks called the Mulpun Strata. They overlie Paleozoic-Triassic metamorphic rocks and underlie Middle Miocene marine rocks containing abundant microfossils. The lower part of Mulpun Strata includes three levels of coal seams separated by tonstein. Associated microfossils found in the coal yield a minimum age of Oligocene.

A petrographic profile of the lower coal seam at the Mulpun Mine shows that it is composed mainly of vitrain and clarain. The principal macerals are telinite, vitrodetrinite and gelinite; characteristic of the X Lake District coal.

Chemical and petrographic analysis indicate that the coals of Mulpun are sub-bituminous B and the depositional setting of the precursor peat was a coastal marine.