

Alkane's long-term commitment to the Central West

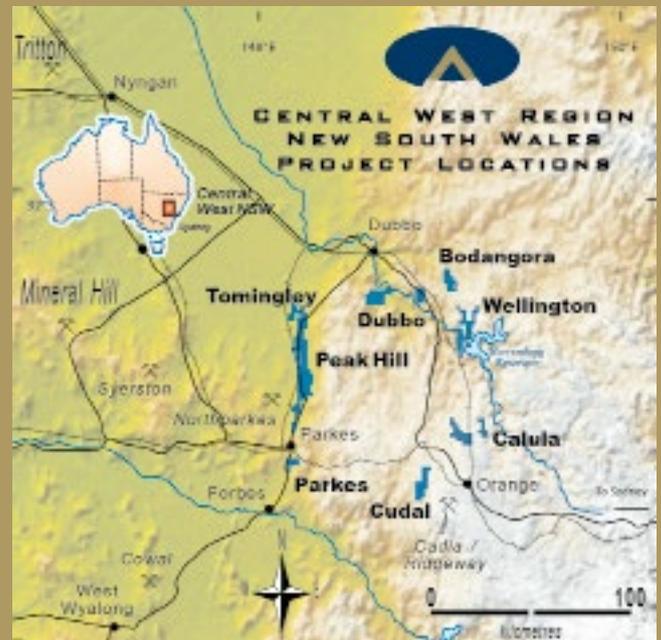
Alkane Resources Ltd (Alkane) is an Australian mineral exploration and mining company active in the Central West of New South Wales. We have been listed on the Australian Stock Exchange since 1969 and active in the Central West since the 1980s.

Alkane has developed the Tomingley Gold Mine and has plans to progress the Dubbo Zirconia Project, which will produce zirconium, niobium and rare earth metals, some of which are critical components of environmentally sustainable technologies such as energy efficient lighting and wind turbines.

Alkane takes its environmental and social responsibilities seriously. We work closely with local communities to minimise the impacts of our activities, and, in the case of Tomingley, our activity will revegetate 61 hectares of farmland to native bush.

Alkane currently has a number of mineral exploration licences (see map), to explore for gold, copper, zirconium, niobium and rare earth metals.

The Australia-wide statistics state that of every 1000 mineral prospects investigated, about 100 are followed up, 10 are subjected to detailed investigation and one becomes a commercial mine. As a consequence, most of our exploration work only requires the use of early-stage techniques to assess an areas mineral prospectivity.



Early-stage exploration includes mapping, soil sampling (~100g per per sample) and rockchip sampling (~2kg per sample)

Mineral Exploration Methods



1. Collection of soil sample



2. Sieving of soil sample



3. Bagging of soil sample



4. Site after collection

Early-stage mineral exploration involves geological mapping, soil, rockchip sampling and, occasionally, airborne geophysical surveys. If further work is required to identify the source of anomalies, drilling may be used with an emphasis placed on rigs with a small surface footprint. The technique of 'fracking' is not used in mineral exploration.

In some instances, Alkane might wish to conduct mineral exploration activities on private land, in which case permission and an access agreement will first be sought from the landholder. Even after an agreement is in place, the timing and nature of these activities are discussed with property owners prior to any activities taking place.

David Meates is our Senior Geologist in Orange, and is available to discuss any aspect of Alkane's work, his mobile is 0421 954 956. Our General Manager NSW, Mike Sutherland, is also contactable on 0427 691 733.



Advanced exploration methods include aircore (AC) and reverse circulation (RC) drilling on a ute-mounted rig.



Reverse circulation (RC) drilling may also be undertaken using a larger rig.