Minerals essential for everyday life

The Fingerboards deposit contains three key mineral groups that are essential in today's world.

Gippsland Critical Minerals

Zircon

The ceramics in your kitchen, the crown at your dentist, and the electronics in your home all rely on zircon. This critical mineral bridges everyday applications with cutting-edge technologies. The Fingerboards Project's premium zircon—distinguished by higher quality, lower impurities, and significantly coarser grain—will strengthen Australia's sovereign capability in this essential resource while supporting industries that touch our everyday lives.

US$2.3B in 2024

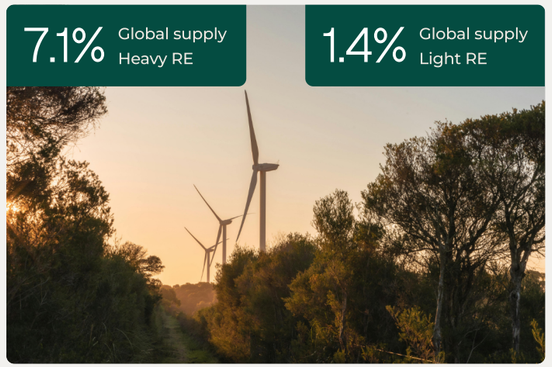
Growing at 2% CAGR to US$2.6B by 2030

Titanium minerals

The white pigment in paint, the strength in aerospace components, and the protection in sunscreen all come from titanium minerals. These critical minerals are experiencing significant growth in demand driven by construction activity, automotive manufacturing, and consumer goods. The Fingerboards Project will supply premium-quality titanium minerals to support industries that enhance both everyday life and cutting-edge technologies.

US$9.5B in 2024

Growing at 8% CAGR to US$15.1B by 2030



Rare earths

From powering homes with renewable energy to the manufacture of electric vehicles, rare earth elements are essential to our future. The Fingerboards deposit contains globally significant concentrations of both light rare earths (NdPr) and heavy rare earths (DyTb), essential for the powerful magnets that drive clean energy technologies. As international supply chains face increasing uncertainty, this Australian resource provides crucial security for our energy transition.

US$6.1B in 2024

Growing at 11.1% CAGR to US$11.4B by 2030

Critical minerals are the building blocks of modern technology and our clean energy future.

Currently, China dominates over 95% of heavy rare earths and 90% of light rare earths production.

Excluding China's production, the importance of the Fingerboards Project becomes even more significant. It is a world leading source of heavy rare earths and the opportunity is enormous. As global demand surges, Fingerboards can help diversify these critical supply chains while supporting Australia's manufacturing capability and national security.

Zr	Zirconium	ZrO_2	Zirconia	TiO_2	Rutile	$FeTiO_3$	Ilmenite	Pr	Praseodymium	Nd	Neodymium	Tb	Terbium	Dy	Dysprosium