New South Wales is host to world-class deposits of coal, copper-gold and lead-zinc-silver ores, and heavy mineral sands. The state has excellent potential for new discoveries in known prospective terranes as well as new frontier areas, where cover rocks or changes in industry focus have left parts of New South Wales under-explored.

Australia’s most populated state, New South Wales provides extensive rail, road and power infrastructure, as well as logistical services and a ready supply of labour to support mineral and energy developments in the state.

For detailed information regarding commodities in the state see the Metallogenic Map of New South Wales 1:1 500 000.

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**DEVELOPMENT OPPORTUNITIES**

**GOLD & SILVER**

The state remains largely under-explored for gold, despite having an endowment of over 2,500 tonnes Au. Important gold deposit types known to occur in New South Wales include: porphyry copper-gold, intrusion-related, epithermal, orogenic gold and gold-rich VHMS systems.

New South Wales is host to many large porphyry copper-gold systems associated with the Ordovician-aged Macquarie Volcanic Arc. This includes the world class Cadia Valley group of deposits. Mineralisation styles occurring in New South Wales include: porphyry copper-gold and copper-gold-molybdenum systems. Cobalt-type orogenic copper deposits; and copper-rich VHMS systems.

**IRON ORE**

Recent exploration for maghemite-rich channel iron and magnetite iron deposits have realised the significant iron potential of New South Wales.

**COPPER & GOLD**

The famous Broken Hill deposit in eastern New South Wales continues to produce high-grade ore. Intensive exploration for another of its type continues. Important lead-zinc-silver mineralisation styles known in New South Wales include: Broken Hill type, Cubeb type zinc-lead deposits, orogenic base metal deposits, skarns and intrusion related polymetallic deposits.

**LEAD, ZINC & SILVER**

New South Wales has the largest deposits of lead-zinc-silver ores in Australia. Major deposits include: the Wallarah lead-zinc deposit near Newcastle, the deep-level Westpark lead-zinc deposit and the Broken Hill operations. Significant lead-zinc-silver deposits in the state include: Mount Carrington, Lady Hampden, White Rock, Mount Wright, Broken Hill, the Warrawoona deposit, Recherche Field, Wonawinta, and Murrin Murrin.”

**RARE EARTHS & OTHER COMMODITIES**


New South Wales is host to the world class Cadia Valley Cu-Au deposit. This deposit is the world’s largest porphyry copper deposit. The Cadia Valley deposit is located in the Cadia Volcanic Belt, a world class porphyry copper province in eastern New South Wales. The Cadia Volcanic Belt contains several other world class porphyry copper deposits, including the Cobar and Main Line Channel Iron deposits.

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