

Eliwana Iron Ore deposits

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ABSTRACT

The Eliwana Iron Ore deposits are a series of hematite and goethite deposits that form part of the future mine development of Fortescue Metals Group's Western Hub. Located within the Western Hamersley Range, Pilbara region, Western Australia, the deposits occur as several mineralised areas, occurring in both Brockman and Marra Mamba Iron Formation stratigraphies.

Mineralisation is predominantly supergene bedded mineralisation in nature (martite-goethite), with minor occurrences of economic Channel Iron Deposit and Detrital Iron Deposit also occurring within the project region. There is also evidence of micro-platy hematite within specific zones of the deposit inferring a more complex paragenesis than only supergene mineralisation.

Since the initial systematic exploration of the deposits, there have been several phases of project development which have allowed it to progress to the point of 'decision to mine'. This has included extensive Reverse Circulation (RC) drilling focussed on the best opportunity areas, together with diamond core drilling (PQ and large core drilling) which has contributed to the detail required for a feasibility study.

Now that the total Mineral Resource inventory has reached over 1 billion tonnes (area of focus for initial mining), a decision has been made to gain the approvals required for construction of infrastructure, mining and then export of these valuable Iron Ore deposits.

Key words;

Eliwana, Fortescue, hematite, Brockman, Pilbara