

South Australia's Major Operating/Approved Mines Resource Estimates and Production Statistics



Government of South Australia
Department for Energy and Mining

Prepared by DEM 15/09/2025

| Major Operating/Approved Mines | Commodity | Status | Total Resource (unless otherwise stated) | Ore Reserve | Contained Commodity (from Resource) |
|--|--|---------------------------------|---|--|--|
| Olympic Dam – BHP Group Olympic Dam Operations Pty Ltd www.bhp.com | Copper (Cu), Uranium (U ₃ O ₈), Gold (Au), Silver (Ag) | Operating | 9,640 Mt (OC sulphide) at 0.58% Cu, 0.19 kg/t U ₃ O ₈ , 0.26 g/t Au, 1.0 g/t Ag 1,740 Mt (UG sulphide) at 1.49% Cu, 0.44 kg/t U ₃ O ₈ , 0.58 g/t Au, 3.0 g/t Ag <i>BHP Annual Report 2023</i> | 590 Mt (UG sulphide) at 1.82% Cu, 0.58 kg/t U ₃ O ₈ , 0.67 g/t Au, 4.0 g/t Ag 44 Mt (low grade) at 0.79% Cu, 0.27 kg/t U ₃ O ₈ , 0.34 g/t Au, 2.0 g/t Ag <i>BHP Annual Report 2023</i> | OC sulphide total resource: 55,912,000 t Cu, 1,831,600 t U ₃ O ₈ , 80,582,500 oz Au, 30,932,700 oz Ag UG sulphide total resource: 25,926,000 t Cu, 765,600 t U ₃ O ₈ , 32,446,400 oz Au, 167,826,600 oz Ag <i>BHP Annual Report 2023</i> UG sulphide total reserve: 10,738,000 t Cu, 342,200 t U ₃ O ₈ , 12,709,200 oz Au, 75,875,700 oz Ag Low grade total reserve: 347,600 t Cu, 11,880 t U ₃ O ₈ , 481,000 oz Au, 2,829,300 oz Ag <i>BHP Annual Report 2023</i> |
| Carrapateena – BHP Group Pty Ltd www.bhp.com | Copper (Cu), Gold (Au), Silver (Ag) | Operating | 900 Mt at 0.56% Cu, 0.24 g/t Au, 3 g/t Ag <i>ASX Release 30/06/23</i> | 189 Mt at 1.04% Cu, 0.41 g/t Au, 4 g/t Ag <i>ASX Release 30/06/23</i> | Total resource: 5,040,000 t Cu, 6,944,600 oz Au, 86,806,900 oz Ag <i>ASX Release 30/06/23</i> Reserve: 1,965,600 t Cu, 2,491,400 oz Au, 24,305,900 oz Ag <i>ASX Release 30/06/23</i> |
| Prominent Hill – BHP Group Pty Ltd www.bhp.com | Copper (Cu), Gold (Au), Silver (Ag) | Operating | Underground: 162 Mt at 0.94% Cu, 0.81 g/t Au, 3 g/t Ag Surface stocks: 6.6 Mt at 0.18% Cu, 0.5 g/t Au, 0.53 g/t Ag <i>ASX Release 30/06/23</i> | Underground: 54 Mt at 0.99% Cu, 0.64 g/t Au, 3 g/t Ag Surface stocks: 6.6 Mt at 0.18% Cu, 0.5 g/t Au, 0.53 g/t Ag <i>ASX Release 30/06/23</i> | Total resource: 1,534,700 t Cu, 4,324,900 oz Au, 15,737,700 oz Ag <i>ASX Release 30/06/23</i> Total reserve: 546,600 t Cu, 1,225,700 oz Au, 5,318,400 oz Ag <i>ASX Release 30/06/23</i> |
| Hillside – Rex Minerals Ltd www.rexminerals.com.au | Copper (Cu), Gold (Au) | Approved | 337 Mt at 0.56% Cu, 0.14 g/t Au <i>ASX release 14/12/22</i> | 186 Mt at 0.55% Cu, 0.14 g/t Au <i>ASX release 14/12/22</i> | Total Resource: 1,897,000 t Cu and 1,528,000 oz Au <i>ASX release 14/12/22</i> Total reserve: 989,000 t Cu, 834,000 oz t Au <i>ASX release 14/12/22</i> |
| Kanmantoo – Hillgrove Resources Limited www.hillgroveresources.com.au | Copper (Cu), Gold (Au) | Operating | Kavanagh lode: 5,750,000 t at 1.1% Cu and 0.10 g/t Au Nugent lode (underground): 659,000 t at 1.32% Cu and 0.61 g/t Au <i>ASX Release 11/05/22</i> | | Resources: Kavanagh 61,000 t Cu and 18,500 oz Au Nugent 8,700 t Cu and 13,000 oz Au <i>ASX Release 11/05/22</i> |
| Kalkaroo – Havilah Resources Limited www.havilah-resources.com.au | Copper (Cu), Gold (Au), Cobalt (Co), Rare Earth Elements (REE) | Approved | copper-gold: 223.8 Mt at 0.49% Cu, 0.36 g/t Au gold: 21.68 Mt at 0.74 g/t Au cobalt: 193.3 Mt at 120 ppm Co <i>ASX Release 07/03/2018</i> | 100.1 Mt at 0.47% Cu, 0.44 g/t Au <i>ASX Release 18/06/2018</i> | Resource: 1,139,000 t Cu, 2,770,000 oz Au + 514,500 oz Au (in gold cap) + 23,200 t Co <i>ASX Release 07/03/2018</i> Reserve: 474,000 t Cu, 1,407,000 oz Au <i>ASX Release 18/06/2018</i> |
| Middleback Range – SIMEC Mining www.simec.com/mining | Hematite (Fe ₂ O ₃), Magnetite (Fe ₃ O ₄) | Operating | Hematite (DSO): ~100 Mt at 57.25% Fe Magnetite: 1.54 Bt at 34.34% mass recovery (DTR) <i>SAEMC Presentation 2023</i> | Hematite reserves 23.1 Mt at 57.9% Fe, 5.8% SiO ₂ , 2.8% Al ₂ O ₃ , 0.05% P Magnetite reserves 61.9 Mt at 39.6% DTR and 38.3% Fe, 19.9% SiO ₂ Beneficiated hematite stockpile 15.9 Mt (52% recovery) 61.0% Fe <i>ASX release 19/08/15</i> | |
| Cairn Hill – Cu-River Mining Australia Pty Limited | Magnetite (Fe ₃ O ₄), Copper (Cu), Gold (Au) | Care and Maintenanc e | 11.4 Mt at 49.5% Fe (magnetite) 0.4% Cu and 0.1 g/t Au <i>IMX Resources website (c. 2009)</i> | 6.9 Mt at 51.2% Fe, 0.43% Cu, 0.13 g/t Au (Phase 1 pit area 28/12/09) | 5 643 000 t Fe, 45,200 t Cu and 1130 kg Au <i>(MRD estimate)</i> |
| Peculiar Knob – Peak Iron Mines Pty Ltd www.peakiron.com | Hematite (Fe ₂ O ₃) | Operating | Remaining mineable resource 7.2 Mt at ~63% Fe (8.97% SiO ₂ , 0.25 Al ₂ O ₃ & 0.016% P) <i>2021 website</i> | | |
| Central Eyre Iron Project – Iron Road Limited www.ironroadlimited.com.au | Magnetite (Fe ₃ O ₄) | ML granted (PEPR pending) | 4 510 Mt (meas. ind. & inf.) at 16.0% Fe, 53.0% SiO ₂ , 13.0% Al ₂ O ₃ , 0.08% P and 3.5% LOI <i>ASX release 27/02/15</i> | 3 681 Mt (prov. and prob.) at 15.07% Fe, 53.7% SiO ₂ , 12.06% Al ₂ O ₃ | ~721 600 000 t Fe (resource) <i>(MRD estimate)</i> ~554 700 000 t Fe (reserve) |
| Wilgerup – SIMEC Mining www.simec.com/mining/ | Hematite (Fe ₂ O ₃) | Approved | 13.3 Mt (ind.) at 57.7% Fe, 4.9% SiO ₂ , 2.8% Al ₂ O ₃ , 5.1% LOI, 0.5% P <i>Annual Report 2015 (fmr owner Centrex Metals)</i> | | 7 616 400 t Fe <i>(MRD estimate)</i> |
| Buzzard – Peak Iron Mines Pty Ltd www.peakiron.com | Hematite (Fe ₂ O ₃) | Operating | 18.98 Mt at 60.48% Fe, 9.7% SiO ₂ , 1.62% Al ₂ O ₃ , 1.06% LOI, 0.07% P, 0.03% Mn, 0.2% CaO, 0.24% K ₂ O <i>Mining Proposal MC 4508</i> | | |
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| Razorback – Magnetite Mines Limited www.magnetitemines.com | Magnetite (Fe ₃ O ₄) | Feasibility Studies | Razorback Ridge: 2740 Mt at 15.4% eDTR, 18% Fe, 48.3% SiO ₂ , 8.1% Al ₂ O ₃ , 0.18% P, 5.4% LOI, 15.2% magnetite Iron Peak: 503 Mt at 19.4% eDTR, 18.2% Fe, 48% SiO ₂ , 8.2% Al ₂ O ₃ , 0.16% P, 5.8% LOI, 16% magnetite <i>ASX Release 09/02/23</i> | Razorback Ridge: 1615 Mt at 14.2% mass recovery Iron Peak: 362 Mt at 16.8% mass recovery <i>ASX Releases 20/03/23 & 09/06/2023</i> | Total Resource: 586 Mt contained Fe <i>ASX Release 09/02/23</i> Total Probable Reserve: 346 Mt contained Fe <i>ASX Release 20/03/23 & 09/06/2023</i> |
| Four Mile – Heathgate Resources Pty Ltd | Uranium (U ₃ O ₈) | Operating | | 20,366t (44.9 Mlb) U ₃ O ₈ <i>Annual Compliance Report 2018</i> | |
| Beverley – Heathgate Resources P/L www.heathgate.com.au | Uranium (U ₃ O ₈) | Care and Maintenance | Beverley: 7.7 Mt at 0.27% U ₃ O ₈ Beverley North: 2.2 Mt at 0.18% U ₃ O ₈ | | Beverley: 21 000 t U ₃ O ₈ Beverley North: 4000 t U ₃ O ₈ (0.15m% GT cut-off) <i>(MRD estimate)</i> |
| Honeymoon – Boss Energy Ltd www.bossenergy.com | Uranium (U ₃ O ₈) | Operating | 52.4 Mt at 620 ppm U3O8 (includes Honeymoon re-start area, Gould's Dam & Jason's) <i>ASX Release 25/02/19</i> | 3.64 Mt (prob) at 0.063% U <i>ASX Release 31/12/12</i> | 32,500 t U3O8 (resource) (Total Honeymoon project) <i>ASX Release 25/02/19</i> 2688 t U (reserve) <i>ASX Release 31/12/12</i> |
| Challenger – Barton Gold Holdings Ltd www.bartongold.com.au | Gold (Au) | Care and Maintenance | 0.53 Mt at 3.9 g/t Au <i>Company release 5/11/20</i> | | (resource) 65 600 oz Au <i>ASX release 05/11/20</i> |
| Portia – Benagerie Gold & Copper Pty Ltd (Consolidated Mining and Civil) conmc.net.au | Gold (Au) | Care and Maintenance | 720,000 t at 2.9 g/t Au (inf.) | 53,200 oz Au <i>(PEPR 17/12/2014)</i> | 67,000 oz Au |
| White Dam – GMB Resources https://www.gbmr.com.au/ Round Oak Minerals Pty Ltd (subsidiary of Washington H Soul Pattinson & Co Ltd) | Gold (Au), Copper (Cu) | Operating | 4.6 Mt at 0.7 g/t Au (Total:Hannaford, Vertigo, White Dam North) <i>ASX Release 10/08/20</i> | | 101,900 oz Au (resource) <i>ASX Release 10/08/20</i> |
| Tarcoola – Barton Gold Holdings Ltd www.bartongold.com.au | Gold (Au), Silver (Ag) | Care and Maintenance | 370,000 t at 1.3 g/t Au <i>ASX Release 14/10/2021</i> | 567,200 t at 3.0 g/t Au <i>ASX Release 21/09/2017</i> | Resource: 15,800 oz Au <i>ASX Release 14/10/2021</i> Reserve: 54,300 oz Au <i>ASX Release 21/09/2017</i> |
| Beltana – Perilya Limited www.perilya.com.au | Zinc (Zn) | Care and Maintenance | Total resource 972 000 t at 29.8% Zn, (ind.) 375 600 t at 32.6% Zn (2009 remaining) 308 000 at 28% Zn | Stockpile depleted by 2011/12 | |
| Angas – Terramin Australia Limited | Zinc (Zn), Lead (Pb), Silver (Ag), Gold (Au), Copper (Cu) | Care and Maintenance | 0.91 at 4.2% Zn and 1.7% Pb <i>Annual Report 2017</i> | | |
| Uley – Quantum Graphite Operations Pty Ltd (Subject to Deed of Company Arrangement) www.quantumgraphite.com | Graphite | Care and Maintenance | 7.2 Mt at 10.5% TGC (3.5% cut-off) <i>ASX Release 18/11/2021</i> | 4.003 Mt at 11.89% TGC (3.5% cut-off) <i>ASX Release 27/11/19</i> | Resource: 757,000 t TGC <i>ASX Release 18/11/2021</i> Reserve: 476,000 t TGC <i>ASX Release 27/11/19</i> |
| Kookaburra Gully – Lincoln Minerals Limited www.lincolnminerals.com.au | Graphite | ML granted (PEPR pending) | 2.03 Mt at 15.2% TGC (5% cutoff grade) <i>ASX release 27/11/17</i> | 1.34 Mt(probable) at 14.6% TGC (8.5% cut-off) <i>ASX release 27/11/17</i> | 308,630 t TGC <i>ASX release 27/11/17</i> 196,600 t TGC <i>ASX release 27/11/17</i> |
| Campoona – iTech Minerals https://www.itechminerals.com.au/ | Graphite | ML granted (PEPR pending) | 8.55 Mt at 9.0% TGC (incl. Campoona Shaft, Central Campoon and Wilco South) <i>ASX release 06/08/14</i> | | 770 800 t (meas. ind. & inf.) TGC <i>ASX release 06/08/14</i> |
| Sivour – Renascor Resources Limited www.renascor.com.au | Graphite | Approved | 123.6 Mt (total) at 6.9% TGC (2.3% cutoff grade) <i>ASX Release 14/09/23</i> | 61.8 Mt (total) at 7.0% TGC <i>ASX release 24/08/2023</i> | 8.5 Mt graphite <i>ASX Release 18/08/22</i> 4.3 Mt graphite <i>ASX Release 14/09/23</i> |
| Jacinth-Ambrosia – Iluka Resources Limited www.iluka.com | Heavy minerals (HM) | Operating | 146.8 Mt material for 2.97 Mt in situ HM at 48.7% zircon, 26.4% ilmenite, 4.5% rutile <i>Annual Report 31/12/22</i> | Ambrosia 46.3 Mt material for 1.3 Mt in situ HM at 51% zircon, 23% ilmenite, 5% rutile. Jacinth 3 Mt material for 0.1 Mt in situ HM at 58% zircon, 20% ilmenite, 4% rutile. <i>Annual Report 31/12/22</i> | Total resource: 1,446,400 t zircon, 784,000 t ilmenite, 148,500 t rutile <i>Annual Report 31/12/22</i> Total reserve: 765,000 t zircon, 345,000 t ilmenite, 75,000 t rutile <i>Annual Report 31/12/22</i> |

Blank fields indicate parameters that have not been published by the company

*Expansion underway or in approvals stage

** Annual production published in company reports or reported to DEM if not published

Further information and contacts:

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