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

Government of South Australia
Department for Energy and Mining

Prepared by DEM 04/11/2026

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_3O_8), Gold (Au), Silver (Ag)	Operating	9,640 Mt (OC sulphide) at 0.58% Cu, 0.19 kg/t U_3O_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_3O_8, 0.58 g/t Au, 3.0 g/t Ag *BHP Annual Report 2023*	590 Mt (UG sulphide) at 1.82% Cu, 0.58 kg/t U_3O_8, 0.67 g/t Au, 4.0 g/t Ag 44 Mt (low grade) at 0.79% Cu, 0.27 kg/t U_3O_8, 0.34 g/t Au, 2.0 g/t Ag *BHP Annual Report 2023*	OC sulphide total resource: 55,912,000 t Cu, 1,831,600 t U_3O_8, 80,582,500 oz Au, 30,932,700 oz Ag UG sulphide total resource: 25,926,000 t Cu, 765,600 t U_3O_8, 32,446,400 oz Au, 167,826,600 oz Ag *BHP Annual Report 2023* UG sulphide total reserve: 10,738,000 t Cu, 342,200 t U_3O_8, 12,709,200 oz Au, 75,875,700 oz Ag Low grade total reserve: 347,600 t Cu, 11,880 t U_3O_8, 481,000 oz Au, 2,829,300 oz Ag *BHP Annual Report 2023*
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 *ASX Release 30/06/23*	189 Mt at 1.04% Cu, 0.41 g/t Au, 4 g/t Ag *ASX Release 30/06/23*	Total resource: 5,040,000 t Cu, 6,944,600 oz Au, 86,806,900 oz Ag *ASX Release 30/06/23* Reserve: 1,965,600 t Cu, 2,491,400 oz Au, 24,305,900 oz Ag *ASX Release 30/06/23*
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 *ASX Release 30/06/23*	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 *ASX Release 30/06/23*	Total resource: 1,534,700 t Cu, 4,324,900 oz Au, 15,737,700 oz Ag *ASX Release 30/06/23* Total reserve: 546,600 t Cu, 1,225,700 oz Au, 5,318,400 oz Ag *ASX Release 30/06/23*
Hillside – Rex Minerals Ltd *www.rexminerals.com.au*	Copper (Cu), Gold (Au)	Approved	337 Mt at 0.56% Cu, 0.14 g/t Au *ASX release 14/12/22*	186 Mt at 0.55% Cu, 0.14 g/t Au *ASX release 14/12/22*	Total Resource: 1,897,000 t Cu and 1,528,000 oz Au *ASX release 14/12/22* Total reserve: 989,000 t Cu, 834,000 oz t Au *ASX release 14/12/22*
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 *ASX Release 11/05/22*		Resources: Kavanagh 61,000 t Cu and 18,500 oz Au Nugent 8,700 t Cu and 13,000 oz Au *ASX Release 11/05/22*
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 *ASX Release 07/03/2018*	100.1 Mt at 0.47% Cu, 0.44 g/t Au *ASX Release 18/06/2018*	Resource: 1,139,000 t Cu, 2,770,000 oz Au + 514,500 oz Au (in gold cap) + 23,200 t Co *ASX Release 07/03/2018* Reserve: 474,000 t Cu, 1,407,000 oz Au *ASX Release 18/06/2018*
Middleback Range – SIMEC Mining *www.simec.com/mining*	Hematite (Fe_2O_3), Magnetite (Fe_3O_4)	Operating	Hematite (DSO): ~100 Mt at 57.25% Fe Magnetite: 1.54 Bt at 34.34% mass recovery (DTR) *SAEMC Presentation 2023*	Hematite reserves 23.1 Mt at 57.9% Fe, 5.8% SiO_2, 2.8% Al_2O_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 *ASX release 19/08/15*	
Cairn Hill – Cu-River Mining Australia Pty Limited	Magnetite (Fe_3O_4), Copper (Cu), Gold (Au)	Care and Maintenance	11.4 Mt at 49.5% Fe (magnetite) 0.4% Cu and 0.1 g/t Au *IMX Resources website (c. 2009)*	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 *(MRD estimate)*
Peculiar Knob – Peak Iron Mines Pty Ltd *www.peakiron.com*	Hematite (Fe_2O_3)	Operating	Remaining mineable resource 7.2 Mt at ~63% Fe (8.97% SiO_2, 0.25 Al2O5% & 0.016% P) *2021 website*		
Central Eyre Iron Project – Iron Road Limited *www.ironroadlimited.com.au*	Magnetite (Fe_3O_4)	ML granted (PEPR pending)	4 510 Mt (meas. ind. & inf.) at 16.0% Fe, 53.0% SiO_2, 13.0% Al_2O_3, 0.08% P and 3.5% LOI *ASX release 27/02/15*	3 681 Mt (prov. and prob.) at 15.07% Fe, 53.7% SiO_2, 12.06% Al_2O_3	~721 600 000 t Fe (resource) *(MRD estimate)* ~554 700 000 t Fe (reserve)
Buzzard – Peak Iron Mines Pty Ltd *www.peakiron.com*	Hematite (Fe_2O_3)	Operating	18.98 Mt at 60.48% Fe, 9.7% SiO_2, 1.62% Al_2O_3, 1.06% LOI, 0.07% P, 0.03% Mn, 0.2% CaO, 0.24% K2O *Mining Proposal MC 4508*		
Wilgerup – SIMEC Mining *www.simec.com/mining/*	Hematite (Fe_2O_3)	Approved	13.3 Mt (ind.) at 57.7% Fe, 4.9% SiO_2, 2.8% Al_2O_3, 5.1% LOI, 0.5% P *Annual Report 2015 (fmr owner Centrex Metals)*		7 616 400 t Fe *(MRD estimate)*

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

Government of South Australia
Department for Energy and Mining

Prepared by DEM 04/11/2026

Major Operating/Approved Mines	Commodity	Status	Total Resource (unless otherwise stated)	Ore Reserve	Contained Commodity (from Resource)
Razorback – Magnetite Mines Limited *www.magnetitemines.com*	Magnetite (Fe_3O_4)	Feasibility Studies	Razorback Ridge: 2740 Mt at 15.4% eDTR, 18% Fe, 48.3% SiO_2, 8.1% Al_2O_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_2O_3, 0.16% P, 5.8% LOI, 16% magnetite *ASX Release 09/02/23*	Razorback Ridge: 1615 Mt at 14.2% mass recovery Iron Peak: 362 Mt at 16.8% mass recovery *ASX Releases 20/03/23 & 09/06/2023*	Total Resource: 586 Mt contained Fe *ASX Release 09/02/23* Total Probable Reserve: 346 Mt contained Fe *ASX Release 20/03/23 & 09/06/2023*
Four Mile – Heathgate Resources Pty Ltd	Uranium (U_3O_8)	Operating		20,366t (44.9 Mlb) U_3O_8 *Annual Compliance Report 2018*	
Beverley – Heathgate Resources P/L *www.heathgate.com.au*	Uranium (U_3O_8)	Care and Maintenance	Beverley: 7.7 Mt at 0.27% U_3O_8 Beverley North: 2.2 Mt at 0.18% U_3O_8		Beverley: 21 000 t U_3O_8 Beverley North: 4000 t U_3O_8 (0.15m% GT cut-off) *(MRD estimate)*
Honeymoon – Boss Energy Ltd *www.bossenergy.com*	Uranium (U_3O_8)	Operating	52.4 Mt at 620 ppm U308 (includes Honeymoon re-start area, Gould's Dam & Jason's) *ASX Release 25/02/19*	3.64 Mt (prob) at 0.063% U *ASX Release 31/12/12*	32,500 t U308 (resource) (Total Honeymoon project) *ASX Release 25/02/19* 2688 t U (reserve) *ASX Release 31/12/12*
Challenger – Barton Gold Holdings Ltd *www.bartongold.com.au*	Gold (Au)	Care and Maintenance	0.53 Mt at 3.9 g/t Au *Company release 5/11/20*		(resource) 65 600 oz Au *ASX release 05/11/20*
Portia – Benagerie Gold & Copper Pty Ltd *conmc.net.au*	Gold (Au)	Care and Maintenance	720,000 t at 2.9 g/t Au (inf.)	53,200 oz Au *(PEPR 17/12/2014)*	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) *ASX Release 10/08/20*		101,900 oz Au (resource) *ASX Release 10/08/20*
Tarcoola – Barton Gold Holdngs Ltd *www.bartongold.com.au*	Gold (Au), Silver (Ag)	Care and Maintenance	370,000 t at 1.3 g/t Au *ASX Release 14/10/2021*	567,200 t at 3.0 g/t Au *ASX Release 21/09/2017*	Resource: 15,800 oz Au *ASX Release 14/10/2021* Reserve: 54,300 oz Au *ASX Release 21/09/2017*
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 *Annual Report 2017*		
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) *ASX Release 18/11/2021*	4.003 Mt at 11.89% TGC (3.5% cut-off) *ASX Release 27/11/19*	Resource: 757,000 t TGC *ASX Release 18/11/2021* Reserve: 476,000 t TGC *ASX Release 27/11/19*
Kookaburra Gully – Lincoln Minerals Limited *www.lincolnminerals.com.au*	Graphite	ML granted (PEPR pending)	2.03 Mt at 15.2% TGC (5% cutoff grade) *ASX release 27/11/17*	1.34 Mt(probable) at 14.6% TGC (8.5% cut-off) *ASX release 27/11/17*	308,630 t TGC *ASX release 27/11/17* 196,600 t TGC *ASX release 27/11/17*
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) *ASX release 06/08/14*		770 800 t (meas. ind. & inf.) TGC *ASX release 06/08/14*
Siviour – Renascor Resources Limited *www.renascor.com.au*	Graphite	Approved	123.6 Mt (total) at 6.9% TGC (2.3% cutoff grade) *ASX Release 14/09/23*	61.8 Mt (total) at 7.0% TGC *ASX release 24/08/2023*	8.5 Mt graphite *ASX Release 18/08/22* 4.3 Mt graphite *ASX Release 14/09/23*
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 *Annual Report 31/12/22*	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. *Annual Report 31/12/22*	Total resource: 1,446,400 t zircon, 784,000 t ilmenite, 148,500 t rutile *Annual Report 31/12/22* Total reserve: 765,000 t zircon, 345,000 t ilmenite, 75,000 t rutile *Annual Report 31/12/22*

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

Disclaimer. The contents of this report are for general information only and are not intended as professional advice, and the Department for Energy and Mining (and the Government of South Australia) make no representation, express or implied, as to the accuracy, reliability or completeness of the information contained in this report or as to the suitability of the information for any particular purpose. Use of or reliance upon the information contained in this report is at the sole risk of the user in all thing and the Department for Energy and Mining (and the Government of South Australia) disclaim any responsibility for that use or reliance and any liability to the user.

Further information and contacts:

Website www.energymining.sa.gov.au/minerals

Email: dem.minerals@sa.gov.au