



# South Australian mineral resource production statistics for the six month ended 31 December 2014



Report Book  
2015/00020

## **Resources and Energy**

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**FOR 6 MONTHS ENDED DECEMBER 2014  
COMPARISON WITH PREVIOUS PERIOD**



Government of South Australia  
Department of State Development

**Category:** Metallic Minerals

Commodity	6 Months Ended June 2014		6 Months Ended December 2014	
	Quantity (t)	Value (\$)	Quantity (t)	Value (\$)
Contained Copper	50,517	313,012,961	66,631	479,797,709
Contained Gold (grams)	2,173,239	95,273,795	2,612,130	119,890,213
Contained Lead	-14	-9,251	0	0
Contained Silver (Kg)	9,312	6,207,786	12,508	8,159,109
Contained Zinc	4,366	678,280	0	0
Copper	107,114	818,004,063	82,191	639,940,773
Gold (grams)	3,235,992	151,208,403	3,295,914	154,027,569
Iron Ore - Hematite DSO	6,353,459	675,845,964	6,619,413	502,516,882
Iron Ore - Hematite Feed	48,376	5,758,679	10,920	906,360
Iron Ore - Magnetite DSO	784,912	65,750,737	46,171	2,578,912
Iron Ore - Magnetite Feed	851,422	122,604,768	858,499	110,119,667
Silver (Kg)	19,575	13,669,394	14,497	9,493,941
<b>TOTAL</b>		<b>\$2,268,005,578</b>		<b>\$2,027,431,135</b>

\* Iron Ore figures include production and value of iron ore, pellets and fines.

**Category:** Energy

Commodity	6 Months Ended June 2014		6 Months Ended December 2014	
	Quantity (t)	Value (\$)	Quantity (t)	Value (\$)
Coal	1,232,991	23,041,732	1,278,137	34,058,344
Uranium Oxide	2,331	184,866,898	2,199	184,203,272
<b>TOTAL</b>		<b>\$207,908,630</b>		<b>\$218,261,616</b>

**Category:** Petroleum Production

		6 Months Ended June 2014		6 Months Ended December 2014	
Commodity	Type/Grade	Quantity	Value (\$)	Quantity	Value (\$)
Caroline 1 CO2 well (t)		3,462	934,740	1,719	464,130
Condensate (kL)		47,337	32,123,455	95,860	59,353,539
Crude oil (kL)		888,512	697,302,182	1,029,679	671,157,220
LPG		66,710	65,877,605	91,182	74,549,493
Natural Gas (Gm3)		1	115,892,656	1	198,694,425
<b>TOTAL</b>		<b>1,006,021</b>	<b>\$912,130,638</b>	<b>1,218,441</b>	<b>\$1,004,218,807</b>

**Category:** Opal Production

		6 Months Ended June 2014		6 Months Ended December 2014	
Commodity		Estimated Value (\$)		Estimated Value (\$)	
Opal		0	6,490,000	0	7,000,000
<b>TOTAL</b>		<b>0</b>	<b>\$6,490,000</b>	<b>0</b>	<b>\$7,000,000</b>

**FOR 6 MONTHS ENDED DECEMBER 2014**  
**COMPARISON WITH PREVIOUS PERIOD**



Government of South Australia  
 Department of State Development

**Category:** Industrial Minerals

		6 Months Ended June 2014		6 Months Ended December 2014	
Commodity	Type/Grade	Quantity (t)	Value (\$)	Quantity (t)	Value (\$)
Barite		7,712	837,162	6,964	928,770
Cement Shale		26,510	162,344	64,552	387,311
Diatomite		1	2,226	367	2,365
Dolomite		81,088	2,394,682	50,336	1,572,406
Feldspar		0	0	0	0
Fire Clay		30	240	0	0
Foundry Sand		0	0	588	79,313
Garnet (Kg)		0	0	0	0
Gypsum		994,707	7,464,245	966,165	6,028,383
Heavy Mineral Concentrate		288,908*	118,300,412*	248,236*	102,296,601*
Ilmenite		72,146*	6,776,113*	74,091*	4,540,219*
Kaolin		1,312	9,837	1,259	7,556
Leucoxene		2,905*	0	2,900*	0
Limesand		26,004	256,269	1,364	81,292
Limestone		853,936	6,223,293	1,046,870	6,784,600
Magnesite		4,278	237,459	182	10,819
Marble		2,003,473	24,515,795	178,962	3,261,645
Peat		808	36,360	291	13,095
Phosphate		976	123,196	733	117,612
Rutile		17,109*	8,820,098*	14,747*	7,427,964*
Salt		192,735	4,405,921	263,031	3,168,411
Shell Grit		53	6,111	12	5,124
Silica		23,761	574,789	17,469	468,238
Silica Sand		128,887	5,373,166	109,352	4,440,341
Talc		686	172,930	811	173,936
Zircon		121,348*	87,052,563*	100,747*	74,109,184*
<b>TOTAL</b>		<b>4,635,865</b>	<b>\$171,096,436#</b>	<b>2,957,544</b>	<b>\$129,827,817#</b>

**Category:** Construction Materials

		6 Months Ended June 2014		6 Months Ended December 2014	
Commodity	Type/Grade	Quantity (t)	Value (\$)	Quantity (t)	Value (\$)
Basalt		47,601	1,054,795	85,084	1,821,269
Calcrete		230,958	2,415,592	268,568	2,629,789
Clay		24	144	17,454	57,724
Clay - Red Plastic		41,941	207,497	6,131	28,556
Clay - White Plastic		76,399	403,113	94,047	387,060
Dolomite		1,231,176	20,102,184	1,002,943	17,110,173
Epidote		100	3,500	0	0
Feldspar		1,379	48,255	569	19,925
Fine Tailings		3,586	32,451	5,715	51,717
Gneiss		79,883	1,453,110	86,484	1,594,901
Granite		13,483	599,964	14,988	744,060
Gravel (Natural)		72,639	1,662,403	95,730	1,628,671

\*Heavy Mineral Concentrate volumes and values include ilmenite, leucoxene, rutile and zircon also reported separately in this report for selected mineral sands mines only. #The volumes and values of individual heavy minerals has been subtracted from the total to avoid double counting.

**FOR 6 MONTHS ENDED DECEMBER 2014**  
**COMPARISON WITH PREVIOUS PERIOD**



**Government of South Australia**  
 Department of State Development

**Category:** Construction Materials

		<b>6 Months Ended June 2014</b>		<b>6 Months Ended December 2014</b>	
<b>Commodity</b>	<b>Type/Grade</b>	<b>Quantity (t)</b>	<b>Value (\$)</b>	<b>Quantity (t)</b>	<b>Value (\$)</b>
Ironstone		31,768	2,055	1,179	9,432
Limestone		2,086,807	21,835,132	2,039,241	24,083,148
Marble		274,159	2,250,112	255,493	3,628,191
Meta-silt Stone		250,091	4,724,218	239,035	4,488,262
Norite		1,129	104,881	1,312	118,727
Quartzite		678,162	9,254,147	615,689	8,898,966
Sand		1,525,262	15,370,843	1,243,713	10,639,567
Sandstone		386,484	4,488,136	215,445	5,270,867
Shale		0	0	155	3,100
Shale - Coloured		34,290	116,263	22,545	73,353
Shale - White		22,059	83,316	44,035	266,905
Shell Grit		3,942	63,414	4,078	66,739
Siltstone		12,175	183,486	27,196	409,506
Slate		305	412,585	815	477,128
<b>TOTAL</b>		<b>7,105,802</b>	<b>\$86,871,596</b>	<b>6,387,647</b>	<b>\$84,507,734</b>

**PRODUCTION: 12 MONTH RESOURCES (DEDUCTION  
DETAILS) FOR THE PERIOD ENDED DECEMBER 2014**



**Government of South Australia**  
Department of State Development

<b>Product</b>	<b>Quantity (t)</b>	<b>Value (\$)</b>	<b>12 Month Total (\$)</b>
<b>Metallic Minerals</b>			
Contained Copper	117,147	792,810,670	
Contained Gold (grams)	4,785,369	215,164,008	
Contained Lead	-14	-9,251	
Contained Silver (Kg)	21,820	14,366,895	
Contained Zinc	4,366	678,280	
Copper	189,305	1,457,944,836	
Gold (grams)	6,531,906	305,235,972	
Iron Ore - Hematite DSO	12,972,872	1,178,362,846	
Iron Ore - Hematite Feed	59,296	6,665,039	
Iron Ore - Magnetite DSO	831,083	68,329,649	
Iron Ore - Magnetite Feed	1,709,921	232,724,435	
Silver (Kg)	34,072	23,163,335	<b>4,295,436,714</b>
<b>Energy</b>			
Coal	2,511,128	57,100,076	
Uranium Oxide	4,530	369,070,170	<b>426,170,246</b>
<b>Petroleum Production</b>			
Caroline 1 CO2 well (t)	5,181	1,398,870	
Condensate (kL)	143,197	91,476,994	
Crude oil (kL)	1,918,191	1,368,459,402	
LPG	157,892	140,427,098	
Natural Gas (Gm3)	1	314,587,081	<b>1,916,349,445</b>
<b>Opal Production</b>	0	13,490,000	<b>13,490,000</b>
<b>Industrial Minerals</b>	7,593,409	300,924,253	<b>300,924,253</b>
<b>Construction Materials</b>	13,493,449	171,481,285	<b>171,481,285</b>
<b>TOTAL RESOURCES VALUE</b>			<b>\$7,312,553,484</b>