



australian mineral statistics

march quarter 2007



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data sources

The statistics in this publication are obtained from several sources, as follows.

- » The bulk of mine production data (other than petroleum) is obtained from companies, published company reports and ABARE estimates. Data are supplemented where necessary by information from state mines departments (or their equivalents).
- » Petroleum production and sales are based on data obtained from the Resources Division of the Australian Government Department of Industry, Tourism and Resources.
- » Smelter and refinery production data are provided by companies operating the major smelters and refineries.
- » Trade data are obtained from official ABS compiled statistics, supplemented by ABARE estimates where necessary.
- » Price information is from published sources.

The assistance of the organisations supplying data is gratefully acknowledged by ABARE.

note on mine production data

In most instances, data refer to actual mine output. However, in a small number of cases, despatches or sales data are used as proxies for production.

Quantities of minerals produced are reported in terms of the product in which they leave each mine site. This includes various stages of ore dressing, processing and elementary smelting where these are carried out in an associated plant at, or near, the mine. The output is recorded as ore where no treatment is undertaken at the mine, or as a concentrate where ore dressing operations are carried out.

definitions

definitions and explanations

Small discrepancies in totals are generally due to the rounding of components.

zero is used to denote nil or a negligible amount.

p denotes a preliminary figure.

s denotes an ABARE estimate.

common abbreviations and conversions

kg	kilogram	2.20462 lb (pounds)
t	tonne	1000 kilograms
kt	kilotonne	1000 tonnes
Mt	megatonne	1 000 000 tonnes
mtu	metric ton unit	10 kilograms
c	metric carat	
L	litre	1.761 pints
kL	kilolitre	1000 litres
ML	megalitre	1 000 000 litres
Mm ³	million cubic metres	1 000 000 cubic metres
bbL	barrel	159 litres
oz	troy ounce	0.031 kilograms
\$m	million dollars (Australian)	
fob	free on board	
for	free on rail	
fot	free on truck	
cif	cost, insurance and freight	

main features

production

Almost two-thirds of Australia's major minerals and energy commodities recorded production decreases in the March quarter 2007 compared with the December quarter 2006.

Substantial decreases in production of minerals and energy commodities occurred for diamonds (down 56 per cent), leucoxene concentrate (42 per cent), refined tin (30 per cent), uranium oxide and other petroleum refinery products (both 22 per cent), refined lead (20 per cent) and refined nickel class 1 (18 per cent).

Other significant decreases occurred for crude oil and condensate and salt (both 13 per cent), aviation turbine fuel (12 per cent), and refinery LPG and tin mine production (both 11 per cent).

Production decreases of 5-10 per cent were recorded for zinc mine, naturally occurring LPG, refined zinc, iron ore and concentrate, natural gas, intermediate nickel, gold mine, nickel mine, automotive gasoline and alumina.

Minerals and energy commodities for which production rose significantly were refined nickel class 2 (up 67 per cent), silver mine (39 per cent), blister copper (17 per cent) and refined copper (13 per cent).

Production increases of 5-10 per cent were recorded for automotive diesel oil, lead mine, copper mine, lead bullion and refined gold.

exports

Australia's export earnings from mineral resources fell to \$25.5 billion in the March quarter 2007, a decrease of just under \$1.5 billion or 5.5 per cent compared with the previous quarter.

This weaker performance mainly reflected decreased export volumes for more than two-thirds of the minerals and energy commodities. The reduction in export volumes resulted from disruption to both production and port operations following adverse weather conditions – both cyclonic conditions in Western Australia and heavy monsoonal conditions in the Northern Territory. Compared with the March quarter 2006, export earnings were 16 per cent higher.

The commodity that had the largest decrease in export earnings in the March quarter 2007 was iron ore and pellets, down \$496 million (12 per cent) to \$3520 million. This was as a result of decreases in both export volumes and export unit values.

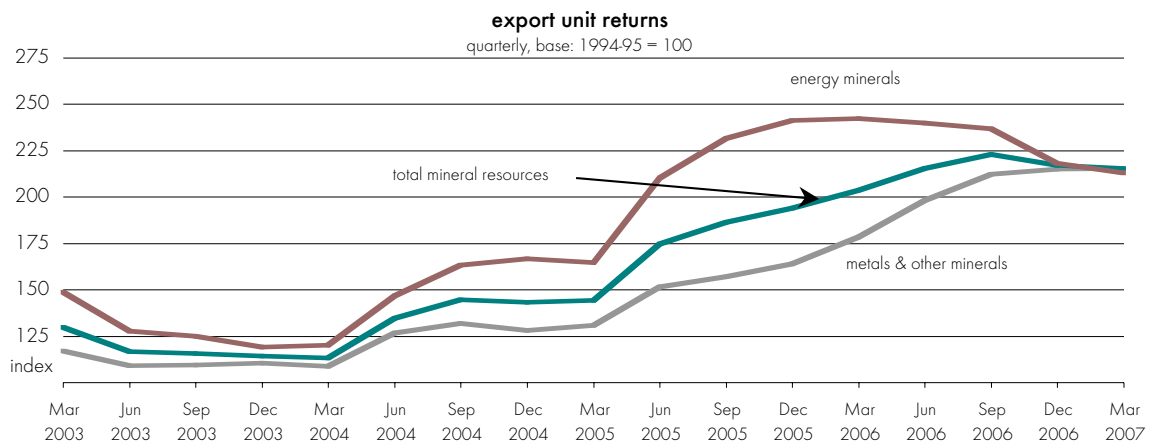
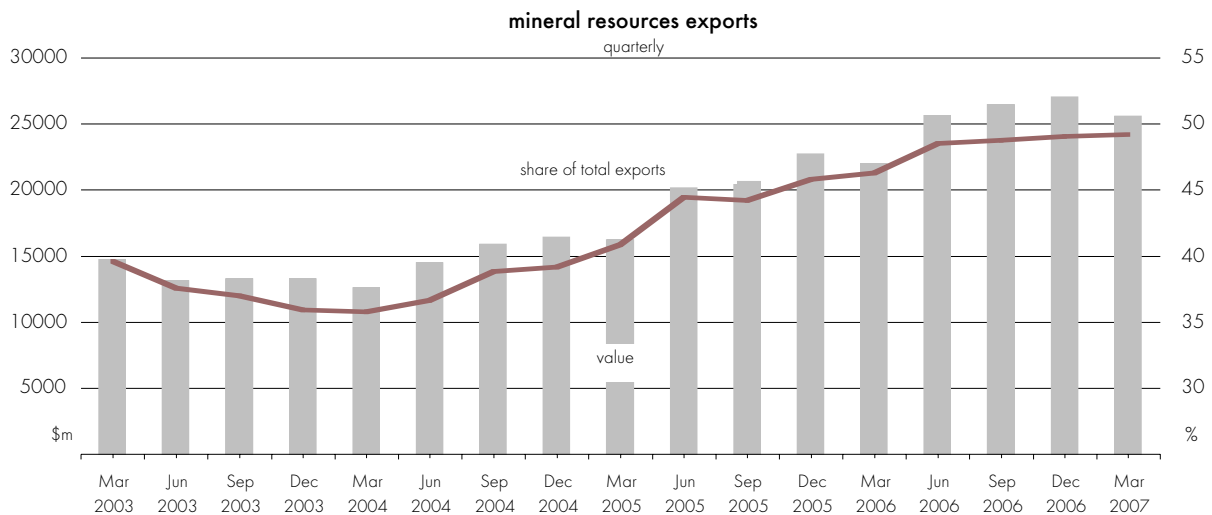
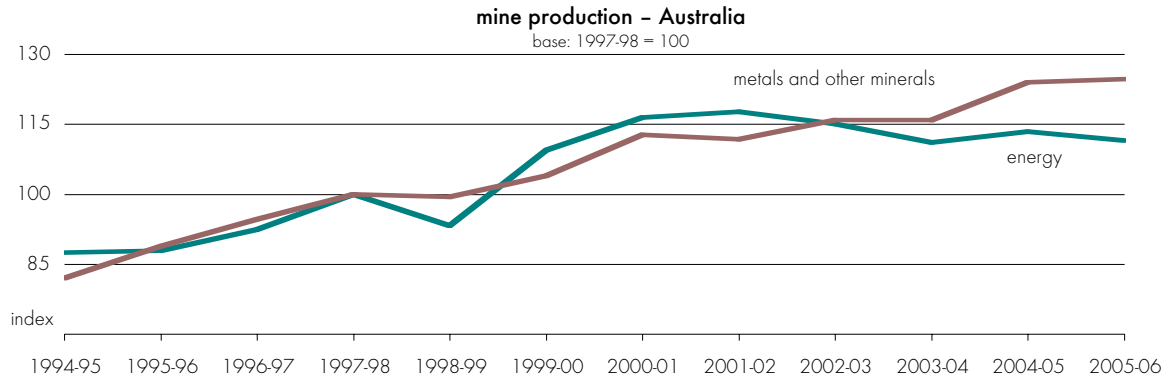
Other commodities that recorded significant decreases in export earnings in the March quarter 2007 were: alumina, down \$292 million (17 per cent) to \$1418 million; zinc, down \$225 million (18 per cent) to \$988 million; copper, down \$176 million (10 per cent) to \$1511 million; crude oil and other refinery feedstock, down \$147 million (7 per cent) to \$1923 million; LNG, down \$130 million (9 per cent) to \$1270 million; diamonds, down \$96 million (56 per cent) to \$76 million; LPG, down \$57 million (21 per cent) to \$218 million; and uranium oxide, down \$52 million (27 per cent) to \$142 million.

Major commodities that recorded increases in export earnings in the March quarter 2007 included: refined gold, up \$161 million (7 per cent) to \$2522 million; nickel, up \$150 million (7 per cent) to \$2210 million; aluminium, up \$62 million (4 per cent) to \$1446 million; lead, up \$28 million (7 per cent) to \$415 million; and steaming coal, up \$9 million (0.5 per cent) to \$1713 million.

The index of export prices of Australian minerals resources (export unit returns) fell by less than 1 per cent in the March quarter 2007 compared with the previous quarter. Prices for energy minerals fell by 2 per cent, while metals and related minerals prices remained stable. Compared with the March quarter 2006, the March quarter 2007 index was 6 per cent higher, with higher world prices for mineral commodities (up 21 per cent year on year) more than offsetting a decline in energy commodity prices (down 12 per cent).

ABARE's most recent forecasts of minerals production, exports and prices for 2006-07 and 2007-08, and analysis of key factors affecting the outlook for minerals and energy markets and the Australian commodity industries, will be published in the June issue of ABARE's quarterly journal, *Australian Commodities*, to be released electronically on 25 June 2007.

resource sector indicators



production summary

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Bauxite	kt	57 648	60 874	16 021	14 636	15 370	15 986	16 315	16 515
Alumina	kt	17 161	17 826	4 470	4 432	4 492	4 588	4 800	4 524
Aluminium (ingot metal)	kt	1 890	1 912	482	469	476	493	494	486
Coal									
Black, raw	Mt	393	398	101	93	102	104	101	101 s
Black, salable	Mt	305	306	78	72	78	80	76	78 s
Brown as	Mt	67	71	na	na	na	na	na	na
Copper									
Mine bs	kt	899	933	248	218	233	215	209	228
Blister c	kt	434	404	100	99	100	86	92	108
Refined s	kt	479	461	115	113	113	98	105	119
Diamonds	'000 ct	32 471	25 354	6 523	5 244	7 539	8 393	8 132	3 582
Gold									
Mine bs	t	266	250	66	60	60	62	65	61
Refined	t	345	380	88	99	110	83	87	92
Iron									
Iron ore and concentrate s	kt	251 918	263 815	67 220	60 569	69 894	72 088	72 491	67 296
Iron and steel s	Mt	7 395	7 866	1 926	1 915	1 995	2 021	2 006	1 982
Lead									
Mine bs	kt	682	761	201	180	169	167	152	166
Bullion c	kt	153	141	37	34	27	34	23	25
Refined	kt	234	234	62	60	63	24	59	47
Manganese s	kt	3 563	4 088	982	933	1 138	1 243	1 251	1 229
Nickel									
Mine bs	kt	192	186	52	42	45	47	51	48
Intermediate	kt	115	74	28	7	12	14	16	15
Refined, class 1	kt	117	105	28	27	23	27	28	23
Refined, class 2	kt	10	10	2	3	3	2	3	5
Petroleum, field									
Crude oil and condensate s	ML	27 311	24 320	6 626	5 345	5 467	7 665	7 580	6 580
LPG (naturally occurring)	ML	4 628	4 722	1 158	1 056	1 208	1 293	1 143	1 054
Natural gas	Mm ³	37 267	38 016	9 297	8 591	10 207	10 275	9 810	9 142
Petroleum, refinery									
LPG	ML	995	1 125	285	298	270	348	385	343
Automotive gasoline	ML	17 913	16 528	4 176	4 090	4 059	4 412	4 529	4 263
Aviation turbine fuel	ML	5 325	5 216	1 430	1 257	1 235	1 319	1 449	1 277
Automotive diesel oil	ML	12 822	10 154	2 664	2 345	2 226	2 315	2 659	2 908
Other	ML	3 659	3 252	756	845	813	693	980	767
Total	ML	40 202	36 274	9 311	8 834	8 605	9 086	10 001	9 558
Salt s	kt	12 254	11 438	2 903	2 768	3 017	2 490	3 085	2 680
Silver									
Mine bs	t	2 303	2 169	619	538	456	393	340	471
Refined	t	722	655	164	145	183	141	165	156
Tin									
Mine bs	t	1 650	1 805	233	230	330	262	656	586
Refined s	t	445	736	192	206	163	106	97	68
Titanium									
Ilmenite concentrate s	kt	1 993	2 185	497	560	588	632	598	602
Leucoxene concentrate	kt	68	81	17	12	32	41	48	28
Rutile concentrate s	kt	173	184	42	44	51	69	68	65
Synthetic rutile s	kt	751	711	178	184	155	183	181	178
Titanium dioxide pigment s	kt	204	208	53	53	51	49	55	55
Uranium oxide (U ₃ O ₈)	t	10 964	9 974	2 922	2 486	1 642	2 127	2 715	2 109
Zinc									
Mine bs	kt	1 352	1 380	338	346	340	324	352	324
Refined	kt	464	446	115	101	113	121	129	119
Zircon concentrate	kt	432	442	107	111	117	125	139	136

a Quarterly data are not available. b Total metallic content of minerals produced. c Metallic content. p Preliminary. s ABARE estimate. na Not available.

Sources: Australian Bureau of Statistics, Canberra; Coal Services Pty Limited; Queensland Government, Department of Natural Resources and Mines; ABARE.

2 volume of mine production indexes ^a

	1998-99	1999-00	2000-01	2001-02	2002-03	2003-04	2004-05	2005-06
Energy minerals	93.2	109.4	116.4	117.6	115.0	111.0	113.4	111.5
Metals and other minerals	99.4	103.9	112.7	111.8	115.8	115.9	124.0	124.7
Total minerals	95.8	106.9	114.8	115.1	115.5	113.5	118.8	118.2

^a Uranium included with energy.

Note: ABARE revised the method for calculating production indexes in October 1999. The indexes are now calculated on a chained weight basis using Fishers' ideal index with a reference year of 1997-98 = 100.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

3 exports summary

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Bauxite	kt	4 900	5 639	1 524	1 253	1 462	1 363	1 433	1 329
Alumina ^a	kt	14 073	14 499	3 832	3 575	3 622	3 698	4 091	3 565
Aluminium (ingot metal)	kt	1 512	1 617	423	382	400	434	401	404
Coal, black									
Metallurgical	Mt	124.92	120.48	30.42	29.60	30.46	32.77	31.56	32.45
Thermal	Mt	106.40	110.82	26.12	26.78	29.29	27.34	28.21	28.53
Copper ^{bs}	kt	701	790	235	194	181	170	179	189
Diamonds ^{cs}	'000 ct	32 471	25 354	6 523	5 244	7 539	8 394	8 132	3 582
Gold ^{bs}	t	309.24	315.14	72.71	69.94	93.30	92.82	92.94	96.00
Iron									
Iron ore and pellets	kt	228 456	239 380	64 657	54 123	61 744	64 230	67 330	58 567
Iron and steel	kt	2 338	2 428	570	620	668	633	674	678
Lead ^{bs}	kt	782	756	243	154	180	155	180	157
Manganese ore and concentrate	kt	3 128	3 215	854	640	1 255	1 087	1 224	1 107
Nickel ^{ds}	kt	218	198	54	45	46	51	59	53
Petroleum									
Crude oil and other refinery feedstock	ML	15 731	13 026	3 607	2 867	2 386	4 063	4 216	3 957
LNG	Mt	10.59	12.50	2.98	2.99	3.60	3.45	3.90	3.95
LPG	ML	2 844	2 800	556	602	656	731	814	593
Refinery products	ML	1 847	2 082	583	758	306	505	440	397
Salt	kt	12 128	10 776	2 651	2 638	2 920	2 389	2 964	2 575
Tin ^b	t	1 529	1 556	241	55	313	221	433	661
Titanium									
Ilmenite concentrate	kt	633	722	208	20	303	270	312	250
Leucoxene concentrate	kt	93	86	29	2	28	28	23	46
Rutile concentrate	kt	158	169	40	41	43	67	80	77
Synthetic rutile ^s	kt	517	472	118	124	96	140	131	112
Titanium dioxide pigment	kt	175	177	46	41	49	44	39	40
Uranium oxide (U ₃ O ₈)	t	11 249	10 253	3 353	2 040	1 760	1 856	3 005	1 725
Zinc ^b	kt	1 427	1 328	402	295	335	305	349	300
Zircon concentrate	kt	428	438	106	110	116	124	137	143

continued

3 exports summary *continued*

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Bauxite	\$m	123	127	32	30	35	30	38	41
Alumina a	\$m	4 383	5 262	1 304	1 329	1 494	1 550	1 710	1 418
Aluminium (ingot metal)	\$m	3 726	4 788	1 162	1 226	1 397	1 457	1 384	1 446
Coal, black									
Metallurgical	\$m	10 758	17 003	4 472	4 295	4 131	4 063	3 739	3 730
Thermal	\$m	6 336	7 206	1 743	1 713	1 845	1 705	1 704	1 713
Copper e	\$m	3 082	5 653	1 432	1 446	1 820	1 631	1 687	1 511
Diamonds cs	\$m	658	526	135	109	157	176	172	76
Gems, other than diamonds	\$m	61	59	11	20	11	14	9	16
Gold, refined	\$m	5 523	7 089	1 541	1 666	2 436	2 399	2 361	2 522
Iron									
Iron ore and pellets	\$m	8 120	12 854	3 413	2 895	3 546	3 909	4 016	3 520
Iron and steel	\$m	2 031	1 674	410	414	446	421	447	444
Lead e	\$m	1 041	1 296	394	291	354	328	387	415
Manganese ore and concentrate	\$m	473	424	125	83	143	113	126	109
Nickel es	\$m	3 743	3 457	790	786	1 018	1 650	2 060	2 210
Petroleum									
Crude oil and other refinery feedstock	\$m	6 330	6 638	1 720	1 506	1 379	2 316	2 070	1 923
LNG	\$m	3 199	4 416	1 099	1 060	1 290	1 362	1 400	1 270
LPG	\$m	804	1 002	217	254	237	288	275	218
Refinery products	\$m	844	1 195	318	418	201	342	252	226
Salt	\$m	226	229	54	58	65	54	62	60
Silver, refined	\$m	161	197	46	42	65	48	54	52
Tin e	\$m	8	12	2	0	2	2	5	9
Titanium									
Ilmenite concentrate	\$m	63	76	22	2	33	31	33	30
Leucoxene concentrate	\$m	25	25	8	2	6	11	7	11
Rutile concentrate	\$m	114	138	33	34	36	56	66	64
Synthetic rutile s	\$m	306	321	80	85	67	97	91	78
Titanium dioxide pigment	\$m	422	441	116	104	121	108	96	97
Uranium oxide (U ₃ O ₈)	\$m	475	546	178	99	115	125	194	142
Zinc e	\$m	1 466	2 540	570	610	1 004	970	1 213	988
Zircon concentrate	\$m	319	398	95	107	104	112	123	130
Other mineral resources f	\$m	3 700	5 212	1 136	1 272	2 039	1 046	1 229	1 050
Total mineral resources g	\$m	68 522	90 806	22 661	21 958	25 600	26 415	27 011	25 520
Total merchandise	\$m	127 867	154 425	39 041	36 738	42 337	43 074	43 422	40 004
Total goods and services	\$m	167 562	196 274	49 505	47 432	52 761	54 166	55 085	51 864

a Includes aluminium hydroxide. **b** Metallic content of all ores, concentrates, intermediate products (where applicable) and refined metal. **c** Unsorted and sorted. **d** Includes metal content of ores and concentrates, intermediate products and nickel metal. **e** Value of all ores, concentrates, intermediate products (where applicable) and refined metal. **f** Derived as the difference between total mineral resources exports, below, and the sum of the above items. **g** Total mineral resource exports on an ABARE balance of payments basis. **p** Preliminary. **s** ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

4 mineral resources export unit returns **a**

	Quarter								
	2004-05	2005-06 p				2006-07 p			
	June	Sep.	Dec.	Mar.	June	Sep.	Dec.	Mar.	
Energy minerals	210.1	231.4	241.2	242.2	239.9	236.6	217.9	213.0	
Metals and other minerals	151.3	157.1	163.8	178.3	198.1	212.2	214.8	215.1	
Total mineral resources	174.4	186.1	194.0	203.6	215.2	223.0	217.2	215.4	

a Base: 1994-95 = 100. **p** Preliminary.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

5 imports summary

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Quantity									
Diamonds a	'000 ct	2 168	4 098	1 569	891	918	822	1 002	789
Iron ore	kt	4 648	5 026	1 453	740	1 467	1 265	1 683	757
Ingot steel	kt	2 116	2 191	564	532	530	617	530	658
Ferroalloys	kt	60	57	16	12	15	38	17	14
Petroleum									
Crude oil and other refinery feedstock	ML	26 054	24 416	5 989	6 680	6 006	5 921	6 173	6 580
Refinery products	ML	11 188	15 124	3 563	3 793	4 936	4 188	3 909	3 593
Phosphate rock	kt	797	655	239	71	198	123	146	55
Value									
Diamonds a	\$m	347	403	106	98	106	91	98	106
Gold b	\$m	2 462	4 800	732	1 358	1 946	1 163	1 320	1 279
Iron ore	\$m	145	222	48	48	67	72	117	60
Ingot steel	\$m	2 041	2 075	529	511	452	539	610	721
Ferroalloys	\$m	137	123	30	22	31	28	35	22
Petroleum									
Crude oil and other refinery feedstock	\$m	9 995	12 820	2 956	3 514	3 553	3 528	3 049	3 189
Refinery products	\$m	5 123	8 761	2 003	2 214	2 880	2 169	1 689	1 486
Phosphate rock	\$m	49	42	16	4	13	8	8	4
Silver	\$m	30	33	2	9	14	28	23	42
Other	\$m	544	637	120	155	183	240	204	371
Total	\$m	20 872	29 916	6 542	7 933	9 244	7 867	7 154	7 280

a Includes sorted and unsorted, gem and industrial diamonds, and diamond dust and powder. **b** Refined and unrefined bullion. **p** Preliminary.
Sources: Australian Bureau of Statistics, Canberra; ABARE.

6 private mineral exploration expenditure

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Sep.	Dec.	Mar.	June	Sep.	Dec.
Energy									
Petroleum									
Onshore	\$m	270.1	355.8	79.8	98.6	82.0	95.4	107.8	144.5
Offshore	\$m	774.6	906.1	202.2	227.9	191.6	284.4	380.8	400.0
Total	\$m	1 044.7	1 261.9	282.0	326.5	273.6	379.8	488.6	544.5
Coal	\$m	126.8	166.4	32.2	46.0	41.5	46.7	50.5	60.0
Uranium	\$m	20.7	56.1	11.9	15.8	10.1	18.3	24.7	27.6
Total energy	\$m	1 192.2	1 484.4	326.1	388.3	325.2	444.8	563.8	632.1
Metals and other minerals									
Copper	\$m	71.4	139.5	31.5	36.7	24.6	46.7	52.7	53.5
Diamonds	\$m	23.7	22.6	6.3	7.3	4.4	4.6	8.6	10.2
Gold	\$m	391.7	399.6	100.0	99.1	90.0	110.5	104.3	125.0
Iron ore	\$m	137.9	161.3	36.3	42.9	32.4	49.7	70.1	72.5
Mineral sands	\$m	27.6	29.2	8.1	8.3	5.6	7.2	7.7	10.8
Nickel, cobalt	\$m	158.6	146.0	40.0	40.7	29.3	36.0	39.8	42.8
Silver, lead and zinc	\$m	31.3	71.2	13.1	17.8	14.8	25.5	26.3	34.1
Other	\$m	38.7	48.8	12.6	13.0	11.0	12.2	9.9	11.7
Total metals and other minerals	\$m	880.9	1 018.2	247.9	265.8	212.1	292.4	319.4	360.6
Total expenditure	\$m	2 073.1	2 502.6	574.0	654.1	537.3	737.2	883.2	992.7

Sources: Australian Bureau of Statistics, Canberra; ABARE.

7 mineral resources prices

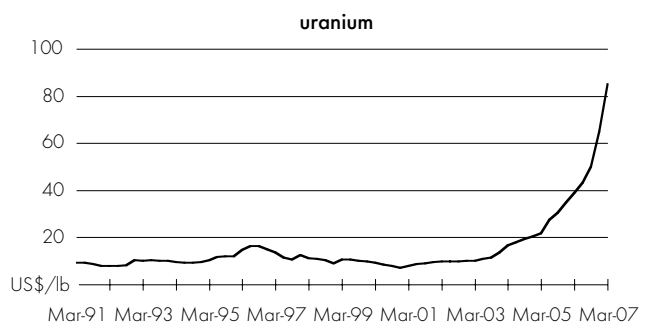
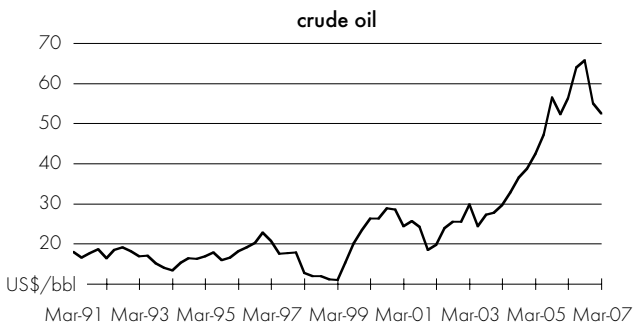
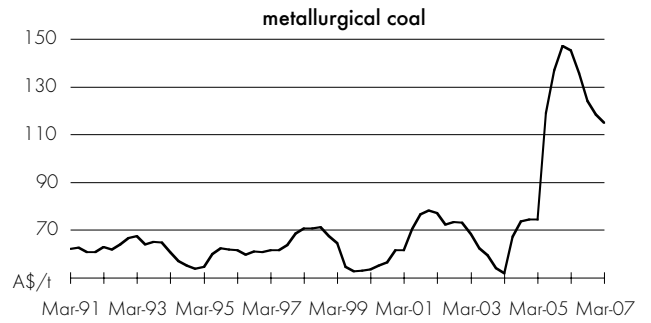
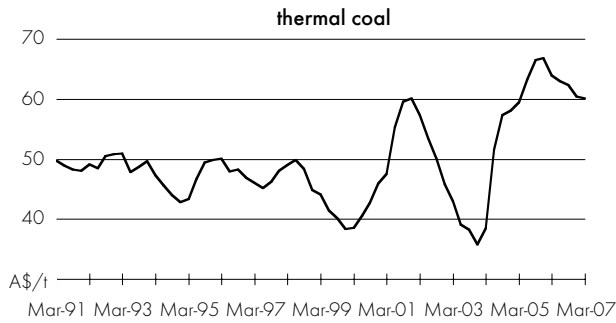
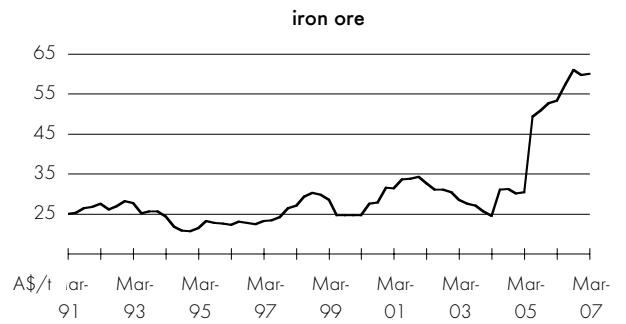
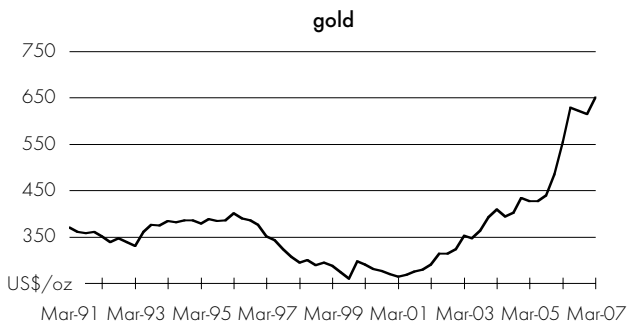
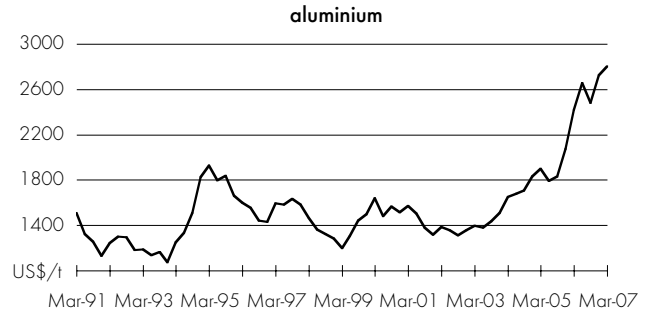
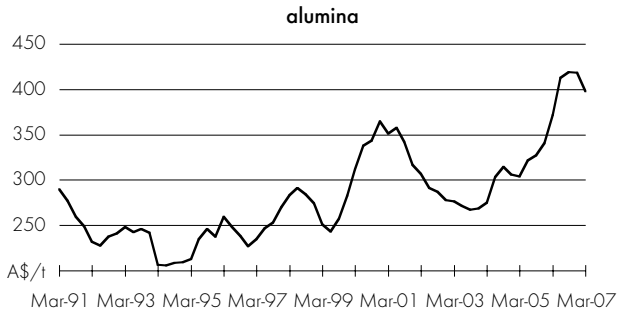
	alumina avg export unit value A\$/t	aluminium (high grade) LME cash US\$/t	gold London AM fix US\$/oz	iron ore a avg export unit value A\$/t	thermal coal avg export unit value A\$/t	metallurgical coal avg export unit value A\$/t	crude oil b world trade wtd ave US\$/bbl	uranium c Industry spot price US\$/lb
2003-04	278.60	1 569.05	389.28	27.09	40.98	58.26	29.33	14.90
2004-05	311.47	1 806.85	422.49	35.54	59.55	86.12	41.18	22.20
2005-06	362.90	2 244.69	526.95	53.70	65.02	141.13	57.25	36.79
2005								
October	322.42	1 928.71	470.11	51.83	66.23	144.47	54.21	33.25
November	336.20	2 050.59	476.67	52.76	67.28	150.50	51.11	34.50
December	362.67	2 248.45	509.42	53.45	66.88	146.16	51.68	36.25
2006								
January	362.06	2 377.10	549.43	52.18	62.94	142.91	56.26	37.50
February	372.59	2 455.33	555.52	53.27	64.15	143.35	56.24	38.50
March	380.20	2 429.13	557.22	54.36	64.80	148.95	56.33	40.50
April	408.16	2 621.58	611.85	55.72	63.12	140.42	63.19	41.50
May	402.30	2 861.48	676.77	54.63	62.93	129.51	64.98	43.00
June	429.34	2 477.34	597.90	61.20	62.93	137.00	63.45	45.50
July	416.22	2 512.71	633.09	61.41	62.65	127.13	67.76	47.50
August	425.52	2 459.93	631.56	60.33	62.45	122.69	68.89	48.50
September	414.47	2 472.88	600.15	61.01	61.95	122.02	60.45	54.00
October	423.93	2 654.59	586.65	60.40	61.41	121.22	54.20	60.00
November	414.95	2 702.80	626.83	59.77	60.49	118.35	53.89	63.00
December	414.11	2 813.08	629.51	58.76	59.24	115.91	56.89	72.00
2007								
January	394.33	2 809.30	630.35	59.13	59.17	114.66	50.77	75.00
February	408.99	2 832.20	664.60	61.05	62.51	112.37	53.65	85.00
March	390.29	2 761.73	655.89	59.99	58.84	117.46	58.70	95.00

	copper (high grade) LME cash US\$/t	lead LME cash US\$/t	zinc (high grade) LME cash US\$/t	silver d London fix US\$/troy oz	nickel LME cash US\$/t	ilmenite e avg export unit value A\$/t	rutile f avg export unit value A\$/t	zircon g avg export unit value A\$/t
2003-04	2 267.35	700.06	961.97	579.25	12 263.77	104.56	647.39	585.76
2004-05	3 151.00	964.08	1 170.95	694.94	14 957.03	99.29	717.20	746.27
2005-06	5 062.00	1 061.35	2 117.81	927.82	15 487.81	105.92	816.59	908.63
2005								
October	4 059.76	1 004.76	1 488.38	767.05	12 402.86	127.15	879.83	1 116.37
November	4 269.34	1 018.41	1 610.93	787.25	12 115.68	87.21	903.10	1 139.31
December	4 577.48	1 119.30	1 822.08	865.28	13 438.25	106.65	878.91	994.23
2006								
January	4 733.02	1 255.10	2 089.55	915.38	14 545.24	0.00	894.56	942.58
February	4 982.40	1 277.05	2 219.38	953.49	14 978.75	107.00	889.21	1 058.88
March	5 102.85	1 192.09	2 416.91	1 038.38	14 897.39	109.76	916.52	1 192.98
April	6 387.78	1 170.42	3 084.78	1 261.49	17 942.22	98.90	967.92	1 165.99
May	8 045.86	1 166.86	3 565.69	1 344.86	21 077.14	133.50	932.34	1 048.07
June	7 197.61	963.86	3 225.68	1 079.64	20 754.55	108.35	902.54	1 130.34
July	7 712.10	1 052.38	3 339.86	1 123.24	26 586.19	122.56	904.12	1 140.23
August	7 695.66	1 174.14	3 347.30	1 217.77	30 707.50	102.25	917.18	1 143.75
September	7 602.36	1 332.86	3 403.02	1 167.69	30 130.71	115.71	897.06	1 110.04
October	7 500.39	1 531.14	3 822.95	1 155.86	32 702.95	116.41	889.23	1 102.17
November	7 029.14	1 624.52	4 382.23	1 293.11	32 113.86	112.34	871.69	1 158.22
December	6 691.78	1 730.00	4 415.14	1 336.05	34 585.28	90.24	848.17	1 202.45
2007								
January	5 669.61	1 666.68	3 786.66	1 283.86	36 806.59	188.48	937.98	1 167.70
February	5 676.45	1 777.10	3 309.50	1 391.00	41 184.25	123.20	872.17	1 118.49
March	6 452.48	1 914.05	3 271.30	1 318.43	46 324.77	109.25	861.21	1 121.02

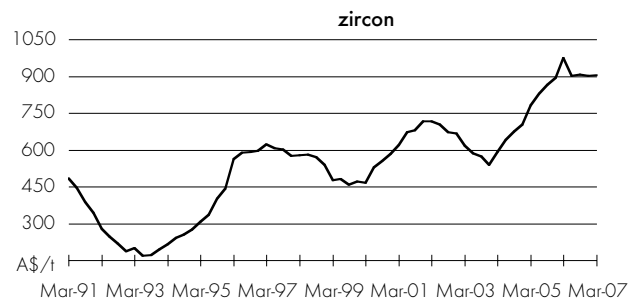
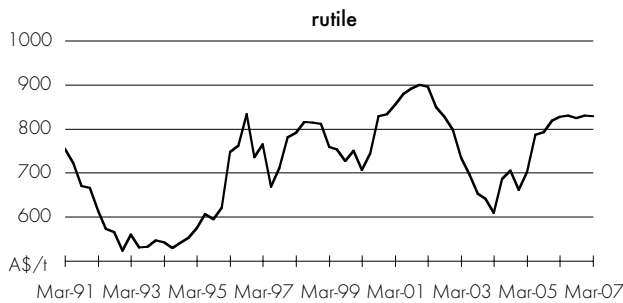
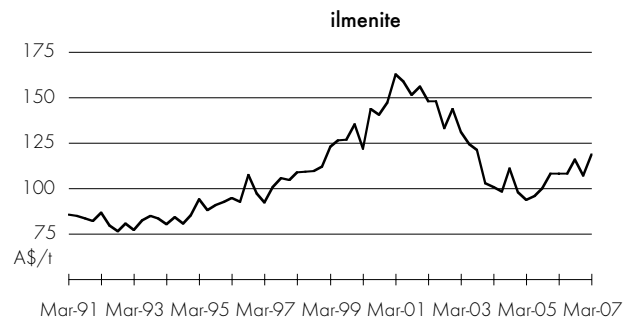
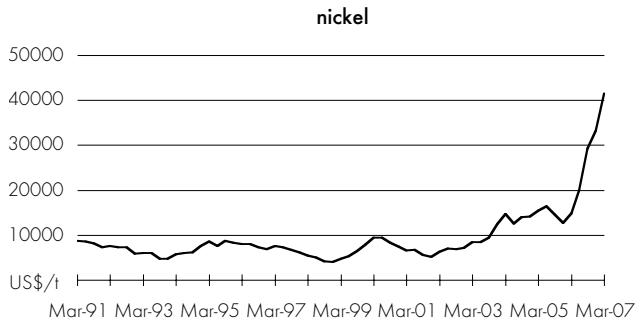
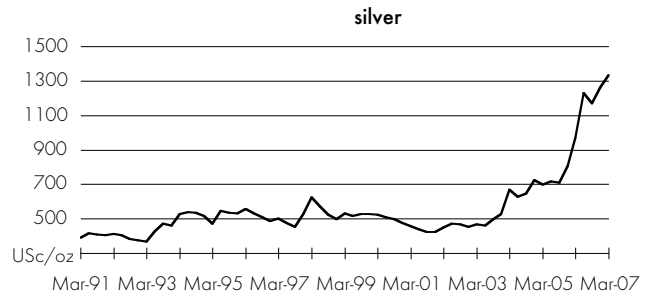
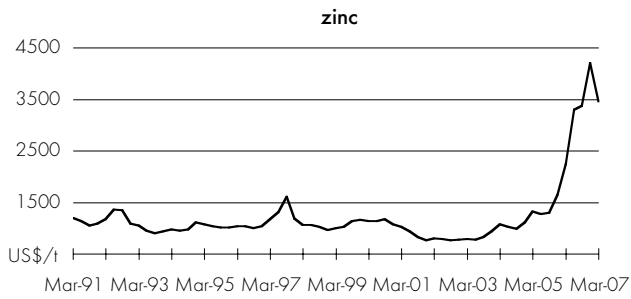
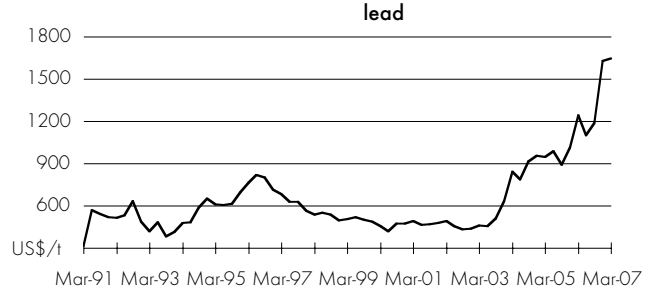
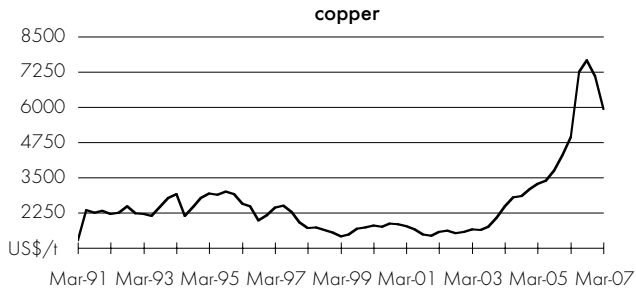
a Lump and fines. **b** US Department of Energy, *Energy Information Administration*. **c** Average of weekly restricted spot price published by The Ux Consulting Company. **d** London fix rate from May 2001; Handy and Harman, commercial bar, minimum 99.9 per cent prior to May 2001. **e** Bulk grade only after January 1992. **f** Bagged only after August 1999. **g** Based on all grades, bagged only from September 1999.

Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; London Bullion Market Association; The Ux Consulting Company; US Department of Energy; ABARE.

mineral resources prices, ended march quarter 2007



mineral resources prices, ended march quarter 2007



Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; London Bullion Market Association; The Ux Consulting Company; US Department of Energy, Energy Information Administration; ABARE

8 aluminium

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Mine									
Bauxite									
Queensland	kt	13 770	16 158	4 598	3 890	3 855	4 085	4 487	4 272
Western Australia	kt	38 070	39 284	9 833	9 583	10 215	10 738	10 290	10 500
Northern Territory	kt	5 808	5 432	1 590	1 163	1 300	1 162	1 538	1 743
Australia	kt	57 648	60 874	16 021	14 636	15 370	15 986	16 315	16 515
Alumina content	kt	21 251	22 728	6 103	5 437	5 669	5 873	6 157	6 203
Smelter and refinery									
Alumina	kt	17 161	17 826	4 470	4 432	4 492	4 588	4 800	4 524
Aluminium (ingot metal)	kt	1 890	1 912	482	469	476	493	494	486
Exports									
Quantity									
Bauxite a	kt	4 900	5 639	1 524	1 253	1 462	1 363	1 433	1 329
Alumina bc	kt	14 073	14 499	3 832	3 575	3 622	3 698	4 091	3 565
Aluminium (ingot metal)									
Chinese Taipei	kt	170	187	45	48	51	43	41	30
Indonesia	kt	67	93	25	24	20	19	20	18
Japan	kt	552	542	151	110	128	186	154	157
Korea, Rep. of	kt	207	240	61	62	64	55	52	53
Malaysia	kt	74	87	23	21	21	18	22	25
Thailand	kt	162	192	46	52	48	45	52	51
Other	kt	281	276	72	65	69	66	60	70
Total	kt	1 512	1 617	423	382	400	434	401	404
Value									
Bauxite a	\$m	123	127	32	30	35	30	38	41
Alumina bc	\$m	4 383	5 262	1 304	1 329	1 494	1 550	1 710	1 418
Aluminium (ingot metal)	\$m	3 726	4 788	1 162	1 226	1 397	1 457	1 384	1 446
Imports									
Quantity									
Bauxite	kt	10	11	3	2	5	1	1	2
Alumina b	kt	1	1	0	0	0	2	2	4
Aluminium (ingot metal)	kt	6	6	2	2	1	1	1	1
Value									
Bauxite	\$m	2	3	1	1	1	0	0	1
Alumina b	\$m	1	2	0	0	0	3	3	3
Aluminium (ingot metal)	\$m	17	20	4	7	5	3	3	3
Prices									
Alumina d	A\$/t	311	363	340	372	412	419	418	398
Aluminium									
LME cash e	US\$/t	1 807	2 245	2 076	2 421	2 653	2 482	2 723	2 801
Australia d	A\$/t	2 464	2 962	2 746	3 208	3 490	3 358	3 447	3 582

a Bauxite export quantities are not available prior to September quarter 2004. Bauxite export values up to and including June quarter 2004 are ABARE estimates. **b** Includes aluminium hydroxide. **c** Country details confidential. **d** Average export unit value. **e** High grade. **p** Preliminary. **s** ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.



	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Mine									
Black coal, raw									
Underground	Mt	87.07	86.83	21.80	20.01	22.64	23.45	23.07	23.80 s
Opencut	Mt	306.29	311.65	79.51	73.30	79.40	80.19	78.87	79.02 s
New South Wales	Mt	156.31	161.25	41.67	37.69	41.50	43.50	41.05	40.00
Queensland	Mt	226.62	226.53	56.96	52.95	57.86	57.44	57.00	58.00 s
Western Australia a	Mt	6.22	6.30	1.58	1.58	1.58	1.58	1.58	1.60
South Australia a	Mt	3.64	3.80	0.95	0.95	0.95	0.96	0.96	0.96
Tasmania a	Mt	0.58	0.60	0.15	0.15	0.15	0.16	0.16	0.16
Australia	Mt	393.36	398.48	101.31	93.32	102.04	103.64	100.75	100.72 s
Black coal, salable									
Underground	Mt	70.21	66.66	16.69	15.33	17.19	18.51	15.34	17.50 s
Opencut	Mt	234.80	239.16	61.40	56.42	60.59	61.35	64.49	63.51 s
New South Wales	Mt	122.06	123.24	32.56	28.34	31.71	31.99	29.93	31.66
Queensland	Mt	172.67	171.90	42.87	40.73	43.40	45.18	42.90	43.90 s
Western Australia a	Mt	6.22	6.30	1.58	1.58	1.58	1.58	1.58	1.60
South Australia a	Mt	3.64	3.80	0.95	0.95	0.95	0.96	0.96	0.96
Tasmania a	Mt	0.42	0.58	0.15	0.15	0.15	0.15	0.15	0.15
Australia	Mt	305.01	305.82	78.10	71.74	77.78	79.86	75.52	78.27 s
Brown coal b									
Victoria s	Mt	67.15	71.24	na	na	na	na	na	na
Exports									
Quantity									
Metallurgical coal, high quality									
Brazil	Mt	3.09	3.17	0.74	0.56	0.79	0.71	0.86	0.75
China	Mt	3.73	2.22	0.68	0.93	0.17	0.50	0.50	1.04
Chinese Taipei	Mt	3.51	3.31	0.84	0.79	0.91	1.04	0.82	0.73
European Union 25	Mt	19.49	19.32	5.20	4.23	4.94	5.42	5.11	4.27
India	Mt	13.41	13.63	3.87	2.96	3.51	4.37	3.92	3.79
Japan	Mt	22.87	23.87	5.82	5.39	7.05	6.25	5.90	6.52
Korea, Rep. of	Mt	8.01	6.58	1.83	1.70	1.22	1.40	1.50	1.76
Other	Mt	6.59	5.39	1.20	1.53	1.48	1.44	1.66	1.42
Total	Mt	80.73	77.48	20.19	18.10	20.06	21.14	20.27	20.28
Metallurgical coal, other c									
Chinese Taipei	Mt	3.58	4.41	0.84	1.28	0.80	1.10	0.93	1.32
European Union 25	Mt	4.76	4.73	1.14	1.20	1.30	1.02	1.08	1.01
India	Mt	4.03	2.77	0.61	0.62	0.74	0.82	0.85	0.78
Japan	Mt	22.09	20.35	4.78	5.56	4.97	5.55	5.27	6.21
Korea, Rep. of	Mt	4.45	1.12	0.00	0.00	0.00	0.00	0.00	0.00
Other	Mt	5.29	9.62	2.86	2.85	2.58	3.13	3.16	2.86
Total	Mt	44.19	42.99	10.23	11.50	10.40	11.63	11.30	12.17
Total coking coal	Mt	124.92	120.48	30.42	29.60	30.46	32.77	31.56	32.45
Thermal coal									
Chinese Taipei	Mt	14.33	13.21	3.05	3.32	3.57	3.72	4.11	4.25
European Union 25	Mt	3.48	2.32	0.07	0.59	0.81	0.60	1.14	0.76
Hong Kong, China	Mt	0.37	0.08	0.00	0.00	0.08	0.01	0.00	0.00
Japan	Mt	57.28	59.33	15.68	14.19	14.33	14.24	14.34	15.11
Korea, Rep. of	Mt	17.95	20.24	4.61	4.75	5.27	4.00	3.64	4.11
Other	Mt	12.99	15.66	2.72	3.94	5.23	4.76	4.98	4.31
Total	Mt	106.40	110.82	26.12	26.78	29.29	27.34	28.21	28.53

continued



	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Exports									
Quantity									
Other coal	Mt	1.02	1.17	0.34	0.31	0.20	0.35	0.28	0.00
Coke d	Mt	na	na	na	na	na	na	na	na
Value									
Metallurgical coal									
High quality	\$m	7 692	12 203	3 302	2 964	3 031	3 010	2 796	2 741
Other quality	\$m	3 067	4 800	1 170	1 331	1 100	1 053	943	989
Total metallurgical coal	\$m	10 758	17 003	4 472	4 295	4 131	4 063	3 739	3 730
Thermal coal	\$m	6 336	7 206	1 743	1 713	1 845	1 705	1 704	1 713
Other coal	\$m	50	80	20	23	20	23	15	0
Total coal	\$m	17 145	24 290	6 235	6 031	5 996	5 790	5 458	5 444
Coke	\$m	90	59	5	25	25	14	13	25
Imports									
Quantity									
Coke	Mt	0.02	0.05	0.01	0.02	0.02	0.01	0.02	0.01
Value									
Coke	\$m	0	4	1	1	2	2	2	1
Prices e									
Metallurgical coal									
High quality	A\$/t	95.28	157.49	163.52	163.78	151.10	142.38	137.95	135.19
Other	A\$/t	69.40	111.65	114.34	115.71	105.77	90.56	83.50	81.27
Thermal coal	A\$/t	59.55	65.02	66.75	63.95	63.00	62.36	60.39	60.06

a Quarterly data derived from annual ABARE estimates. b Quarterly data not available. c Country details confidential for various time periods for Brazil, Chinese Taipei, Dem. Peoples Rep. of Korea, Italy, Pakistan and Republic of Korea - commencing from October 1996. d Quantity details not available from August 2003. e Average export unit value

p Preliminary. s ABARE estimate. na Not available.

Sources: Australian Bureau of Statistics, Canberra; Coal Services Pty Limited; Queensland Government, Department of Natural Resources and Mines; ABARE.

10 copper

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Mine s									
Copper ore and concentrate	kt	2 672	2 826	698	713	737	756	763	768
Copper content of all minerals produced									
New South Wales a	kt	167	204	52	52	53	52	53	46
Queensland a	kt	405	399	108	90	96	82	85	95
Western Australia a	kt	61	93	26	21	22	31	24	27
South Australia	kt	231	204	54	47	55	42	40	54
Tasmania	kt	29	32	8	8	8	8	7	7
Australia a	kt	899	933	248	218	233	215	209	228
Smelter and refinery									
Blister copper (primary) b	kt	434	404	100	99	100	86	92	108
Refined copper (primary) s	kt	479	461	115	113	113	98	105	119
Exports									
Quantity									
Copper concentrate									
China c	kt	397	581	219	139	157	111	135	98
India	kt	436	494	109	156	82	135	71	136
Japan	kt	353	391	137	66	88	94	124	103
Korea, Rep. of	kt	78	68	16	31	12	36	15	34
Other	kt	61	100	46	10	22	42	36	0
Total	kt	1 326	1 635	528	402	360	418	381	371
Refined copper									
Chinese Taipei	kt	88	76	11	27	21	8	27	26
Indonesia	kt	35	30	12	4	5	3	7	4
Japan	kt	2	6	2	1	2	1	0	1
Singapore	kt	1	7	1	0	3	1	0	3
Thailand	kt	51	65	19	17	13	12	12	8
Other	kt	145	130	34	30	38	27	27	43
Total	kt	322	314	79	79	80	53	72	86
Copper content of all primary materials exported ds	kt	701	790	235	194	181	170	179	189
Value									
Copper concentrate	\$m	1 750	3 492	969	900	1 048	1 091	1 040	809
Refined copper	\$m	1 332	2 161	463	546	772	539	647	702
Total	\$m	3 082	5 653	1 432	1 446	1 820	1 631	1 687	1 511
Prices e									
LME cash	US\$/t	3 151	5 062	4 297	4 943	7 251	7 670	7 098	5 941
Australia	A\$/t	4 195	6 842	5 793	6 769	9 832	10 150	9 263	7 617

a Includes copper cathode and copper precipitate. b Copper content. c Excludes Hong Kong. d Copper content of all ores and concentrates, slags, residues, intermediate products, refined copper, copper powder and flakes. e Based on LME cash, midday, high grade, 25 tonne warrants. p Preliminary. s ABARE estimate.
Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.

11 diamonds and other gemstones

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Diamonds									
Northern Territory	'000 ct	0	14	7	0	2	4	5	0
Western Australia	'000 ct	32 471	25 339	6 516	5 244	7 537	8 389	8 127	3 582
Australia	'000 ct	32 471	25 354	6 523	5 244	7 539	8 393	8 132	3 582
Exports									
Quantity									
Diamonds									
Unsorted s	'000 ct	32 395	25 226	6 474	5 222	7 510	8 372	8 116	3 566
Sorted									
Gem	'000 ct	72	126	49	21	28	22	16	16
Industrial a	'000 ct	4	2	0	1	0	0	0	0
Total s	'000 ct	32 471	25 354	6 523	5 244	7 539	8 394	8 132	3 582
Value									
Diamonds									
Unsorted s	\$m	539	375	96	69	122	141	140	42
Sorted									
Gem	\$m	119	151	39	40	35	35	31	33
Industrial a	\$m	0	0	0	0	0	0	0	0
Total s	\$m	658	526	135	109	157	176	172	76
Opals									
Rough	\$m	14	13	2	6	3	4	3	3
Cut and polished	\$m	40	37	7	13	7	9	6	9
Total	\$m	54	50	9	19	10	13	8	12
Sapphires									
Rough	\$m	0	1	0	0	0	0	0	0
Total	\$m	0	1	0	0	0	0	0	0
Other gemstones b	\$m	7	8	2	2	1	1	1	3
Total gemstones	\$m	61	59	11	20	11	14	9	16
Imports									
Quantity									
Diamonds									
Unsorted	'000 ct	1	1	0	0	0	0	0	0
Sorted									
Gem	'000 ct	376	1 641	1 314	84	95	88	116	116
Industrial a	'000 ct	16	126	49	20	8	15	71	35
Dust and powder	'000 ct	1 775	2 330	205	786	816	719	815	637
Value									
Diamonds									
Unsorted	\$m	1	1	0	0	0	0	0	0
Sorted									
Gem	\$m	342	398	105	96	104	90	96	104
Industrial a	\$m	1	2	0	1	1	1	1	1
Dust and powder	\$m	2	3	0	1	1	1	1	0
Total	\$m	347	403	106	98	106	91	98	106

a Excludes dust, powder and unsorted diamonds. b Includes cut and polished sapphires from 1 July 2000. p Preliminary. s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE; Department of Minerals and Energy, Western Australia; Department of Minerals and Energy, Northern Territory.

12 gold

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Mine s									
Gold content of all minerals produced									
New South Wales	t	29	29	8	6	7	7	8	9
Victoria	t	4	6	2	2	1	1	2	2
Queensland	t	24	22	6	5	5	6	5	5
Western Australia	t	173	165	43	40	41	41	43	38
South Australia	t	5	7	2	2	2	2	1	2
Tasmania	t	10	7	2	2	1	1	1	1
Northern Territory	t	21	14	3	3	3	3	4	4
Australia	t	266	250	66	60	60	62	65	61
Refinery									
Primary									
Australian origin	t	227	209	55	51	49	51	54	53
Overseas origin	t	76	66	16	18	13	14	16	13
Secondary									
Australian origin	t	5	7	1	1	1	2	1	1
Overseas origin	t	38	99	16	29	47	16	15	25
Total	t	345	380	88	99	110	83	87	92
Exports									
Quantity									
Refined and unrefined bullion									
China	t	5	1	0	0	0	0	0	0
Hong Kong, China	t	1	1	0	0	0	0	0	0
India	t	155	127	21	25	30	43	42	34
Japan	t	8	18	10	1	4	2	6	4
Korea, Rep. of	t	13	5	2	1	1	1	1	1
Malaysia	t	4	0	0	0	0	0	0	0
United Arab Emirates	t	0	3	0	1	2	0	5	8
Singapore	t	13	13	4	3	3	5	5	4
Switzerland	t	0	3	1	2	0	0	6	15
Thailand	t	55	33	9	6	6	7	3	7
United Kingdom	t	44	101	26	30	41	22	21	19
Other	t	12	10	1	0	6	13	5	5
Total	t	309	315	73	70	93	93	93	96
Value									
Refined	\$m	5 523	7 089	1 541	1 666	2 436	2 399	2 361	2 522
Imports									
Value									
Refined and unrefined bullion	\$m	2 462	4 800	732	1 358	1 946	1 163	1 320	1 279
Prices									
London AM fix	US\$/oz	422	527	485	554	629	622	614	650
Australia	A\$/oz	562	707	654	753	843	822	799	829

p Preliminary. s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Bullion Market Association; ABARE.

13 iron

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Iron ore and concentrate a									
Western Australia s	kt	246 260	258 394	65 844	59 193	68 617	70 835	70 804	65 505
South Australia	kt	3 484	3 490	873	873	873	1 078	1 150	1 189
Tasmania	kt	2 174	1 931	503	504	405	175	537	602
Australia s	kt	251 918	263 815	67 220	60 569	69 894	72 088	72 491	67 296
Iron content s	kt	156 370	163 850	41 712	37 645	43 379	44 725	45 184	46 039
Iron and steel									
Iron and steel bs	kt	7 395	7 866	1 926	1 915	1 995	2 021	2 006	1 982
Exports									
Quantity									
Iron ore and pellets									
Pellets, sinters and briquettes	kt	1 239	1 083	311	333	219	75	113	335
Fines	kt	158 122	168 414	45 261	38 358	44 039	45 152	48 420	41 618
Lump and run of mine	kt	69 095	69 884	19 086	15 432	17 486	19 003	18 797	16 614
Total iron ore and pellets									
China c	kt	99 635	123 489	34 685	27 874	31 556	32 435	36 699	30 706
Chinese Taipei	kt	9 457	8 880	1 919	2 058	2 464	2 520	2 407	2 332
European Union 25	kt	12 348	9 384	2 281	2 139	2 300	2 026	2 108	1 855
Japan	kt	80 183	72 313	19 273	15 918	19 376	19 538	19 007	16 819
Korea, Rep. of	kt	25 626	24 705	6 397	5 929	5 945	7 525	6 863	6 806
Other	kt	1 208	610	103	206	104	187	247	49
Total	kt	228 456	239 380	64 657	54 123	61 744	64 230	67 330	58 567
Iron content	kt	142 196	148 882	40 223	33 653	38 377	39 945	41 830	36 411
Steel									
Iron and steel	kt	2 338	2 428	570	620	668	633	674	678
Scrap	kt	1 009	1 876	927	301	420	223	403	235
Value									
Iron ore and pellets									
Pellets, sinters and briquettes	\$m	73	87	22	27	20	1	6	23
Fines	\$m	5 060	8 269	2 186	1 872	2 320	2 525	2 650	2 311
Lump and run of mine	\$m	2 987	4 499	1 205	996	1 206	1 384	1 359	1 185
Total	\$m	8 120	12 854	3 413	2 895	3 546	3 909	4 016	3 520
Steel									
Iron and steel	\$m	2 031	1 674	410	414	446	421	447	444
Scrap	\$m	402	467	111	108	166	105	177	116
Total	\$m	2 434	2 141	521	522	612	526	624	560
Imports									
Quantity									
Iron ore d	kt	4 648	5 026	1 453	740	1 467	1 265	1 683	757
Iron and steel	kt	2 116	2 191	564	532	530	617	530	658
Ferroalloys	kt	60	57	16	12	15	38	17	14
Value									
Iron ore d	\$m	145	222	48	48	67	72	117	60
Iron and steel	\$m	2 041	2 075	529	511	452	539	610	721
Ferroalloys	\$m	137	123	30	22	31	28	35	22
Total	\$m	2 323	2 420	607	582	550	640	761	804
Prices									
Japanese negotiated e	US\$/dlu	36.57	62.72	62.72	62.72	74.63	74.63	74.63	74.63

a For use in iron and steel making; includes pellets for Tasmania. **b** Includes recovery from scrap. **c** Excludes Hong Kong. **d** Includes limonite ore used in the production of refined nickel products. **e** Indicative price: Australian hematite fines to Japan (fob), per dry long tonne unit, for Japanese fiscal year commencing 1 April. **p** Preliminary. **s** ABARE estimate. Sources: Australian Bureau of Statistics, Canberra; ABARE.

14 lead

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Mine s									
Lead ore and concentrates	kt	997	1 063	281	251	238	235	212	242
Lead content of all minerals produced									
New South Wales	kt	103	109	27	21	26	28	27	16
Queensland	kt	500	531	141	124	115	106	85	112
Western Australia	kt	12	62	17	19	17	19	24	23
Tasmania	kt	33	28	7	8	6	7	7	7
Northern Territory	kt	34	31	8	8	6	7	9	8
Australia	kt	682	761	201	180	169	167	152	166
Smelter and refinery									
Refined lead (primary) b	kt	234	234	62	60	63	24	59	47
Domestic despatches									
Refined lead	kt	33	28	7	7	7	8	5	6
Exports									
Quantity									
Lead concentrate									
China	kt	113	249	85	45	49	46	61	43
European Union 25	kt	59	58	16	11	21	11	16	15
Japan	kt	43	64	11	16	21	16	10	10
Korea, Rep. of	kt	171	132	55	21	39	20	34	36
Other	kt	30	0	0	0	0	9	5	0
Total	kt	417	502	167	93	130	102	126	105
Lead bullion c									
United Kingdom	kt	164	140	55	28	20	37	36	21
Total	kt	164	140	55	28	20	37	36	21
Refined lead									
Chinese Taipei	kt	7	9	3	4	2	0	3	1
India	kt	30	33	10	7	10	9	10	12
Indonesia	kt	11	13	3	3	4	3	2	1
Korea, Rep. of	kt	35	24	6	7	8	8	12	12
Thailand	kt	19	29	7	8	7	2	3	2
Other	kt	141	135	35	28	34	21	25	33
Total	kt	243	244	66	56	65	43	54	62
Lead content of all primary materials exported ds	kt	782	756	243	154	180	155	180	157
Value									
Lead concentrate	\$m	490	711	228	149	207	187	194	217
Lead bullion	\$m	246	235	77	54	44	79	82	57
Refined lead	\$m	305	350	88	88	104	62	111	140
Total	\$m	1 041	1 296	394	291	354	328	387	415
Prices									
LME cash e	US\$/t	964	1 061	1 012	1 241	1 100	1 186	1 629	1 646
Australia f	A\$/t	1 534	1 775	1 654	1 976	1 937	1 759	2 311	2 535

a Metallic content. b Includes lead content of lead alloys from primary sources. c Includes a substantial precious metal content, mainly silver. d Lead content of all ores, concentrates, slags, residues, bullion, and refined lead. e Based on LME cash, midday, standard grade, minimum 25 tonne warrants. f Pasmenco Metals, 99.97-99.99 per cent, fob/for Port Pirie.

p Preliminary. s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.

15 manganese

	Unit	2004-05	2005-06 ^p	Quarter					
				2005-06 ^p			2006-07 ^p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Manganese ore and concentrate									
Western Australia ^s	kt	607	1 056	233	239	370	299	272	328
Northern Territory	kt	2 956	3 032	749	694	768	943	979	901
Australia ^s	kt	3 563	4 088	982	933	1 138	1 243	1 251	1 229
Manganese content ^s	kt	1 710	1 962	471	448	546	597	601	590
Exports ^a									
Quantity									
Manganese ore and concentrate	kt	3 128	3 215	854	640	1 255	1 087	1 224	1 107
Value									
Manganese ore and concentrate	\$m	473	424	125	83	143	113	126	109
Prices									
Japanese negotiated ^b	US\$/mtu	2.45	3.98	3.98	3.98	3.00	3.00	3.00	3.00
	A\$/t	156.32	256.19	257.18	259.41	193.39	190.53	187.38	183.53

^a Quarterly data derived from annual ABARE estimates to June quarter 2004. ABS data from September quarter 2004. ^b Indicative price: high grade ore (48 per cent Mn) to Japan for Japanese fiscal year commencing 1 April. ^p Preliminary. ^s ABARE estimate.
Sources: Australian Bureau of Statistics, Canberra; ABARE.

16 nickel

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production as									
Mine									
Nickel content									
Western Australia	kt	192	186	52	42	45	47	51	48
Australia	kt	192	186	52	42	45	47	51	48
Smelter and refinery									
Intermediate nickel	kt	115	74	28	7	12	14	16	15
Refined nickel, class 1 b	kt	117	105	28	27	23	27	28	23
Refined nickel, class 2 c	kt	10	10	2	3	3	2	3	5
Exports s									
Quantity									
Nickel d	kt	218	198	54	45	46	51	59	53
Value									
Ores and concentrates	\$m	749	646	176	116	154	202	349	340
Intermediate products e	\$m	524	500	101	93	195	322	405	489
Refined nickel, class 1 b	\$m	2 313	2 149	481	538	611	1 055	1 195	1 202
Refined nickel, class 2 c	\$m	157	161	31	39	58	71	110	178
Total	\$m	3 743	3 457	790	786	1 018	1 650	2 060	2 210
Imports									
Value									
Primary nickel products f	\$m	106	128	35	13	49	41	77	54
Prices									
LME cash g	US\$/t	14 957	15 488	12 652	14 807	19 925	29 141	33 134	41 439
	A\$/t	19 896	20 778	17 040	20 115	26 759	38 558	43 116	52 813

a Details of production of nickel metal, matte, oxide, sinter and nickel-cobalt sulphide are not available. b Products with a nickel content of 99 per cent or more. Includes electrolytic nickel, pellets, briquettes and powder. c Products with a nickel content of less than 99.8 per cent. Includes ferronickel, nickel oxides and oxide sinter. d Includes metal content of ores and concentrates, intermediate products and nickel metal. e Includes matte and speiss for further refining. f Includes matte, sinter and intermediate products; ferronickel, unwrought nickel metal and alloys and scrap. g Average cash settlement price for melting grade refined nickel. p Preliminary. s ABARE estimate.
Sources: Australian Bureau of Statistics, Canberra; International Nickel Study Group; London Metal Exchange; ABARE.

17 petroleum

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Field									
Crude oil s	ML	20 259	17 246	4 753	3 660	3 921	5 763	5 686	4 791
Condensate s	ML	7 052	7 069	1 873	1 685	1 547	1 902	1 894	1 789
Total s	ML	27 311	24 315	6 626	5 345	5 467	7 665	7 580	6 580
Production rate s	'000 bbl/day	477	425	463	374	382	536	530	460
LPG	ML	4 628	4 722	1 158	1 056	1 208	1 293	1 143	1 054
Ethane a	Mm ³	407	456	116	104	120	128	112	98
Natural gas a	Mm ³	37 267	38 016	9 297	8 591	10 207	10 275	9 810	9 142
Refinery									
Refinery input	ML	40 334	36 895	9 646	9 427	8 677	9 340	10 394	9 874
Refinery output									
LPG	ML	995	1 125	285	298	270	348	385	343
Automotive gasoline	ML	17 913	16 528	4 176	4 090	4 059	4 412	4 529	4 263
Aviation gasoline	ML	144	119	28	36	31	31	33	23
Aviation turbine fuel	ML	5 325	5 216	1 430	1 257	1 235	1 319	1 449	1 277
Kerosine	ML	26	12	2	7	2	0	0	0
Heating oil	ML	106	102	11	17	41	39	12	16
Automotive diesel oil	ML	12 822	10 154	2 664	2 345	2 226	2 315	2 659	2 908
Industrial and marine diesel fuel	ML	22	31	13	4	5	5	7	5
Fuel oil (excl. refinery fuel)	ML	1 092	1 048	236	299	263	247	219	216
Lubricating oil basestock	ML	202	163	40	49	39	35	41	31
Bitumen	ML	1 091	831	268	191	237	210	459	352
Other products	ML	977	946	159	242	195	127	210	123
Total	ML	40 202	36 274	9 311	8 834	8 605	9 086	10 001	9 558
Sales									
LPG									
Automotive use b	ML	2 339	2 681	728	620	587	640	625	611
Total	ML	3 386	4 167	1 042	877	1 036	1 132	978	979
Automotive gasoline									
Lead replacement c	ML	495	15	2	0	0	0	0	0
Premium unleaded	ML	2 976	1 867	500	470	422	427	475	467
Regular unleaded	ML	16 406	15 962	4 087	3 969	3 887	4 040	4 069	3 928
Other unleaded d	ML	0	1 204	304	317	288	324	380	413
Total	ML	19 876	19 048	4 892	4 756	4 597	4 792	4 923	4 808
Aviation gasoline	ML	91	86	22	20	22	23	22	21
Aviation turbine fuel	ML	4 730	5 359	1 366	1 390	1 394	1 487	1 519	1 416
Kerosine	ML	12	27	6	8	8	6	2	13
Heating oil	ML	34	25	3	3	9	5	1	3
Automotive diesel oil	ML	15 185	15 804	4 097	3 838	4 077	4 131	4 419	4 144
Industrial and marine diesel fuel	ML	15	19	4	5	5	5	5	2
Fuel oil	ML	1 595	1 586	438	403	376	373	371	394
Lubricating oil and greases	ML	470	451	113	105	115	107	108	103
Bitumen	ML	812	805	200	236	203	162	240	226
Other products	ML	939	973	241	233	230	230	233	173
Total	ML	47 145	48 352	12 425	11 876	12 072	12 452	12 821	12 283

continued

17 petroleum *continued*

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Exports									
Quantity									
Crude oil and other refinery feedstock									
China	ML	732	404	104	104	98	100	104	206
Chinese Taipei	ML	916	346	224	8	0	105	215	7
Japan	ML	1 927	2 201	557	618	387	466	466	542
Korea, Rep. of	ML	2 787	2 725	762	588	408	647	1 243	1 394
New Zealand	ML	1 425	465	127	62	71	340	68	237
Singapore	ML	2 861	3 110	965	627	557	1 297	1 072	675
United States	ML	1 154	297	197	0	0	92	99	0
Other	ML	3 929	3 478	671	862	865	1 016	949	896
Total	ML	15 731	13 026	3 607	2 867	2 386	4 063	4 216	3 957
LNG	Mt	10.59	12.50	2.98	2.99	3.60	3.45	3.90	3.95
LPG	ML	2 844	2 800	556	602	656	731	814	593
Refinery products									
Automotive gasoline	ML	774	714	264	178	122	243	200	135
Aviation turbine fuel	ML	240	127	44	46	0	27	43	23
Diesel fuel d	ML	367	419	73	240	4	87	55	88
Fuel oil	ML	201	490	119	217	89	32	60	73
Aviation gasoline	ML	38	85	21	24	32	56	10	8
Lubricants	ML	156	179	44	35	42	39	57	52
Other products	ML	70	69	17	17	16	22	15	19
Total	ML	1 847	2 082	583	758	306	505	440	397
Ships' and aircraft stores									
Aviation turbine fuel	ML	1 893	1 893	473	473	473	473	473	473
Fuel oil	ML	297	259	66	64	64	64	63	63
Other products	ML	16	11	1	2	3	3	2	3
Total	ML	2 207	2 163	540	540	540	540	539	539
Value									
Crude oil and other refinery feedstock									
	\$m	6 330	6 638	1 720	1 506	1 379	2 316	2 070	1 923
LNG	\$m	3 199	4 416	1 099	1 060	1 290	1 362	1 400	1 270
LPG	\$m	804	1 002	217	254	237	288	275	218
Refinery products									
Automotive gasoline	\$m	339	419	145	99	83	150	108	78
Aviation turbine fuel	\$m	108	80	26	30	0	17	27	13
Diesel fuel d	\$m	166	238	39	136	4	64	34	51
Fuel oil	\$m	51	215	50	96	42	13	24	29
Aviation gasoline	\$m	26	54	12	14	21	48	8	7
Lubricants	\$m	112	139	32	30	36	32	37	35
Other products	\$m	41	52	13	12	14	17	14	13
Total	\$m	844	1 195	318	418	201	342	252	226
Total	\$m	11 176	13 251	3 355	3 239	3 108	4 309	3 997	3 637
Ships' and aircraft stores									
Aviation turbine fuel	\$m	858	1 206	268	313	328	326	276	284
Fuel oil	\$m	82	107	27	28	29	29	27	26
Other products	\$m	11	9	1	1	3	3	2	2
Total	\$m	951	1 322	296	343	360	358	305	313

continued

17 petroleum *continued*

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Imports									
Quantity									
Crude oil and other refinery feedstock									
Indonesia	ML	3 328	3 929	1 035	783	982	551	886	1 069
Malaysia	ML	4 761	3 976	909	1 330	924	585	907	1 029
Middle East									
Qatar	ML	77	0	0	0	0	0	0	106
Saudi Arabia	ML	3 101	1 602	537	606	325	190	299	389
United Arab Emirates	ML	1 917	863	112	284	325	876	489	592
Other	ML	158	199	95	103	0	76	42	0
Total Middle East	ML	5 252	2 664	744	993	649	1 142	831	1 087
New Zealand	ML	663	638	105	207	156	92	99	173
Papua New Guinea	ML	1 717	2 386	564	827	404	472	472	561
Singapore	ML	652	829	186	216	168	160	253	176
Viet Nam	ML	6 560	6 708	1 620	1 727	1 841	2 057	1 674	1 748
Other	ML	3 122	3 286	826	597	882	861	1 051	737
Total	ML	26 054	24 416	5 989	6 680	6 006	5 921	6 173	6 580
Refined products									
LPG	ML	540	599	254	83	257	177	254	82
Automotive gasoline	ML	3 131	3 687	1 142	920	1 020	547	611	468
Aviation turbine fuel	ML	983	817	121	222	224	262	77	91
Diesel fuel d	ML	3 944	6 122	1 380	1 650	1 823	1 311	1 051	1 011
Fuel oil	ML	1 281	1 418	351	361	309	290	320	249
Lubricants	ML	327	370	88	70	95	99	80	77
Other products	ML	981	2 111	227	488	1 209	1 502	1 515	1 614
Total	ML	11 188	15 124	3 563	3 793	4 936	4 188	3 909	3 593
Value									
Crude oil and other refinery feedstock									
	\$m	9 995	12 820	2 956	3 514	3 553	3 528	3 049	3 189
Refined products									
LPG	\$m	143	198	80	30	85	65	82	29
Automotive gasoline	\$m	1 463	2 342	658	555	753	407	356	271
Aviation turbine fuel	\$m	483	527	71	141	161	191	48	53
Diesel fuel d	\$m	1 933	4 071	836	1 073	1 375	954	651	620
Fuel oil	\$m	364	569	139	146	144	123	127	90
Lubricants	\$m	288	418	97	90	124	132	116	108
Other products	\$m	448	637	122	178	237	298	308	315
Total	\$m	5 123	8 761	2 003	2 214	2 880	2 169	1 689	1 486
Total	\$m	15 118	21 581	4 959	5 728	6 432	5 697	4 738	4 674
Prices									
Dubai	US\$/bbl	40.72	58.30	53.45	58.48	65.35	66.40	57.63	54.03
West Texas intermediate									
	US\$/bbl	48.77	64.22	60.04	63.27	70.41	70.42	59.96	57.20
Brent	US\$/bbl	46.23	62.44	56.94	61.75	69.53	69.62	59.68	56.80
Tapis	US\$/bbl	49.15	66.72	60.84	67.49	73.77	75.43	63.32	63.55
World trade weighted average									
	US\$/bbl	41.18	57.25	52.33	56.28	63.87	65.70	54.99	52.50
	A\$/bbl	54.77	76.80	70.48	76.45	85.78	86.93	71.56	66.91

a Commercial sales plus field and plant usage. **b** This is a minimum level and includes only direct sales by the oil industry. The data do not include volumes sold to distributor etc. which are subsequently used or sold for automotive use. **c** Leaded petrol phased out as at 1 January 2002. Lead replacement petrol (LRP) introduced as at 1 January 2002. **d** Includes automotive diesel oil and industrial and marine diesel fuel. **e** Data not available from January to December 2002 due to confidentiality restrictions. **p** Preliminary. **s** ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; Department of Industry, Tourism and Resources, Canberra; US Department of Energy, *Energy Information Administration*; Tokyo Commodity Exchange; ABARE.

18 petroleum production, by basin

	Crude oil ML	Condensate ML	Total crude oil and condensate		LPG (naturally occurring) ^a ML	Ethane ^a Mm ³	Natural gas ^a Mm ³
			ML	'000 bbl/day			
December quarter 2006							
Adavale	0.0	0.0	0.0	0.0	0.0	0.0	2.9
Amadeus	12.9	0.0	12.9	0.9	0.0	0.0	133.8
Bonaparte	701.3	98.5 s	799.8 s	55.9 s	0.0	0.0	0.0
Bowen-Surat	5.1	5.3	10.4	0.7	5.6	0.0	163.9
Canning	0.6	0.0	0.6	0.0	0.0	0.0	0.0
Carnarvon							
Barrow Island	101.0	0.0	101.0	7.1	0.0	0.0	596.0
North West Shelf	1 461.1 s	1 517.2	2 978.3 s	208.1 s	574.4	0.0	6 216.0
Other	1 780.5 s	37.0	1 817.5 s	127.0 s	0.0	0.0	344.1
Cooper-Eromanga							
Queensland	199.3	43.6	242.9	17.0	0.0	0.0	0.0
South Australia	321.1	60.6	381.8	26.7	149.2	67.8	905.0
Gippsland	889.3	130.4	1 019.7	71.3	413.6	44.2	1 339.4
Otway	0.0	0.4	0.4	0.0	0.0	0.0	21.7
Perth	213.6	0.8	214.4	15.0	0.0	0.0	87.3
Total	5 685.9 s	1 893.8 s	7 579.7 s	529.7 s	1 142.7	112.1	9 810.0
March quarter 2007 ^p							
Adavale	0.0	0.0	0.0	0.0	0.0	0.0	1.9
Amadeus	13.0	0.0	13.0	0.9	0.0	0.0	127.5
Bonaparte	351.4	98.5 s	449.9 s	31.4 s	0.0	0.0	0.0
Bowen-Surat	4.8	4.3	9.1	0.6	6.3	0.0	131.2
Canning	0.6	0.0	0.6	0.0	0.0	0.0	0.0
Carnarvon							
Barrow Island	93.4	8.5	101.8	7.1	0.0	0.0	301.2
North West Shelf	1 248.4 s	1 428.8	2 677.2 s	187.1 s	516.2	0.0	6 030.8
Other	1 532.6 s	21.1	1 553.7 s	108.6 s	0.0	0.0	248.1
Cooper-Eromanga							
Queensland	187.2	37.9	225.1	15.7	0.0	0.0	0.0
South Australia	322.8	48.1	370.9	25.9	125.2	59.0	756.4
Gippsland	834.9	141.0	975.8	68.2	406.4	39.4	1 467.0
Otway	0.0	0.4	0.4	0.0	0.0	0.0	6.0
Perth	201.6	0.6	202.2	14.1	0.0	0.0	71.9
Total	4 790.6 s	1 789.1 s	6 579.7 s	459.8 s	1 054.1	98.4	9 141.8
2005-06							
Adavale	0.0	0.0	0.0	0.0	0.0	0.0	11.6
Amadeus	53.4	0.0	53.4	0.9	0.0	0.0	493.8
Bonaparte	1 403.0	394.0 s	1 797.0 s	31.4 s	0.0	0.0	0.0
Bowen-Surat	22.9	20.2	43.1	0.8	23.4	0.0	640.8
Canning	2.4	0.0	2.4	0.0	0.0	0.0	0.0
Carnarvon							
Barrow Island	389.6	0.0	389.6	6.8	0.0	0.0	1 172.1
North West Shelf	4 523.9 s	5 264.8	9 788.7 s	171.0 s	2 160.1	0.0	22 946.8
Other	5 854.5 s	202.2	6 056.6 s	105.8 s	0.0	0.0	1 430.3
Cooper-Eromanga							
Queensland	432.2	205.4	637.6	11.1	0.0	0.0	0.0
South Australia	488.4	207.7	696.1	12.2	596.6	269.5	3 734.9
Gippsland	3 680.5	769.8	4 450.4	77.8	1 941.9	186.7	7 087.4
Otway	0.0	2.8	2.8	0.0	0.0	0.0	161.1
Perth	395.4	2.2	397.6	6.9	0.0	0.0	337.6
Total	17 246.2 s	7 069.1 s	24 315.3 s	424.8 s	4 722.0	456.2	38 016.4

^a Commercial sales plus field and plant usage. ^p Preliminary. ^s ABARE estimate.
Sources: Department of Industry, Tourism and Resources, Canberra; ABARE.

19 sales of petroleum products, by state marketing area

	NSW ^a	Vic.	QLD	WA	SA	Tas.	NT	Aust.
	ML	ML	ML	ML	ML	ML	ML	ML
March quarter 2007 ^p								
LPG ^b								
Automotive use ^c	190	231	89	43	52	7	1	611
Total	313	346	155	73	73	15	4	979
Automotive gasoline								
Premium unleaded	153	101	109	56	26	18	3	467
Regular unleaded	1 239	998	856	412	293	103	27	3 928
Other unleaded ^d	147	92	130	26	17	2	0	413
Total	1 539	1 190	1 095	494	336	123	30	4 808
Of which sales to retailers	1 243	928	697	433	265	56	12	3 633
Aviation gasoline	4	4	6	3	1	0	2	21
Aviation turbine fuel	609	244	259	217	47	7	32	1 416
Kerosine	1	1	11	0	0	0	0	13
Heating oil	1	0	0	0	0	2	0	3
Automotive diesel oil	926	696	1 140	886	282	96	118	4 144
Of which sales to retailers	302	270	260	160	64	10	6	1 073
Industrial and marine diesel fuel	1	0	1	0	0	0	0	2
Fuel oil ^e	121	67	27	47	0	5	127	394
Lubricating oil and greases	27	22	29	14	7	2	1	103
Bitumen	50	56	66	29	17	8	1	226
Other products ^f	24	124	17	4	3	0	1	173
Total	3 616	2 751	2 806	1 769	766	259	316	12 283
2005-06								
LPG ^b								
Automotive use ^c	706	1 221	340	167	225	18	5	2 681
Total	1 131	1 610	652	320	357	73	23	4 167
Automotive gasoline								
Lead replacement petrol	1	2	3	3	7	0	0	15
Premium unleaded	610	420	438	196	112	77	14	1 867
Regular unleaded	4 941	4 129	3 546	1 642	1 192	387	124	15 962
Other unleaded ^d	480	335	263	81	46	0	0	1 204
Total	6 032	4 886	4 250	1 922	1 356	464	138	19 048
Of which sales to retailers	4 936	3 717	3 025	1 640	1 049	198	62	14 628
Aviation gasoline	15	14	26	16	5	2	8	86
Aviation turbine fuel	2 124	1 133	1 016	699	196	32	160	5 359
Kerosine	4	3	15	3	1	0	0	27
Heating oil	9	4	2	1	5	4	0	25
Automotive diesel oil	3 558	2 583	4 574	3 231	1 070	350	438	15 804
Of which sales to retailers	1 079	968	856	581	225	32	33	3 775
Industrial and marine diesel fuel	9	2	6	2	0	0	1	19
Fuel oil ^e	525	279	131	176	0	19	457	1 586
Lubricating oil and greases	115	101	126	66	29	8	6	451
Bitumen	237	156	239	99	49	20	5	805
Other products ^f	130	749	75	12	5	0	2	973
Total	13 889	11 519	11 111	6 547	3 074	974	1 238	48 352

^a Includes Australian Capital Territory. ^b Includes sales for petrochemical feedstock. ^c This is a minimum level and includes only direct sales by the oil industry. The data do not include volumes sold to distributors etc. which are subsequently used or sold for automotive use. ^d Includes proprietary brand and other blends. ^e Excludes refinery fuel. ^f Sales of LPG for petrochemical feedstock are included in LPG sales. ^p Preliminary.
Source: Department of Industry, Tourism and Resources, Canberra.

20 phosphate

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Single superphosphate as	kt	1 594	1 309	479	142	395	246	291	111
Imports									
Quantity									
Phosphate rock									
China	kt	210	86	60	5	19	1	0	22
Morocco	kt	381	405	154	0	147	104	127	17
Togo	kt	163	48	0	48	0	0	0	0
Other	kt	43	116	25	17	31	18	18	17
Total	kt	797	655	239	71	198	123	146	55
Phosphates									
Diammonium b	kt	287	202	33	97	56	0	0	54
Monammonium c	kt	926	528	95	217	98	50	11	239
High analysis d	kt	232	310	127	113	51	6	3	50
Value									
Phosphate rock									
	\$m	49	42	16	4	13	8	8	4
Phosphates									
Diammonium b	\$m	87	74	12	35	20	0	0	19
Monammonium c	\$m	286	190	34	80	35	19	4	89
High analysis d	\$m	50	59	24	20	11	2	1	11
Prices									
Australia e	A\$/t	16.33	16.17	14.90	18.19	14.69	15.11	17.40	12.98

a Single superphosphate manufactured from imported phosphate rock; P₂O₅ equivalent: 21 per cent. **b** P₂O₅ equivalent: 46 per cent. **c** P₂O₅ equivalent: 50 per cent. **d** P₂O₅ equivalent: 48 per cent. **e** Average import unit value. **p** Preliminary. **s** ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

21 salt

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Queensland s	kt	100	0	0	0	0	30	30	30
Western Australia a	kt	11 574	10 834	2 743	2 626	2 875	2 310	2 905	na
South Australia b	kt	580	604	160	142	142	na	na	na
Australia cs	kt	12 254	11 438	2 903	2 768	3 017	2 490	3 085	2 680
Exports									
Quantity									
Bulk, bagged and table	kt	12 128	10 776	2 651	2 638	2 920	2 389	2 964	2 575
Value									
Bulk, bagged and table	\$m	226	229	54	58	65	54	62	60
Prices									
Australia d	A\$/t	18.63	21.29	20.45	22.07	22.33	22.73	21.08	23.33

a Sales. **b** Six monthly reporting for South Australia. **c** Excludes Victoria. **d** Average export unit value. **p** Preliminary. **s** ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

22 silver

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Mine s									
Silver content of all minerals produced									
New South Wales	t	96	96	23	23	23	25	23	14
Queensland	t	1 971	1 862	530	444	373	315	253	400
Western Australia	t	67	103	26	32	23	17	24	17
South Australia	t	34	34	9	8	7	7	8	6
Tasmania	t	90	86	21	22	24	21	22	25
Northern Territory	t	44	38	10	9	7	9	10	10
Australia	t	2 303	2 169	619	538	456	393	340	471
Refinery									
Refined silver	t	722	655	164	145	183	141	165	156
Exports									
Quantity									
Refined silver bullion	t	517	482	124	107	114	95	104	106
Value									
Refined silver ^a	\$m	161	197	46	42	65	48	54	52
Imports									
Value									
Refined silver bullion	\$m	30	33	2	9	14	28	23	42
Prices									
World ^b	US\$/oz	695	928	807	969	1 229	1 170	1 262	1 331
Australia ^c	A\$/kg	306	399	347	420	528	496	526	542

^a Includes refined bullion, powder, unwrought silver and semi manufactured forms. ^b London Bullion Market Association, fixed rate. ^c Pasmenco Metals, fob/fort Port Pirie. ^p Preliminary. ^s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Bullion Market Association; ABARE.

23 tin

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Mine									
Tin content of all minerals									
New South Wales s	t	50	0	0	0	0	0	0	
Queensland s	t	0	282	0	69	213	202	607	556
Western Australia s	t	305	590	166	161	117	60	49	30
Tasmania	t	1 295	933	67	0	0	0	0	0
Australia s	t	1 650	1 805	233	230	330	262	656	586
Smelter and refinery									
Refined tin (primary) s	t	445	736	192	206	163	106	97	68
Domestic despatches s									
Tin concentrate	t	408	788	223	214	156	80	65	40
Tin content	t	305	590	166	161	117	60	49	30
Exports									
Quantity									
Tin concentrate									
Malaysia	t	1 676	2 140	383	0	79	370	731	1 101
Thailand	t	0	6	0	6	0	0	0	0
Other	t	0	40	40	0	0	0	0	0
Total	t	1 676	2 186	423	6	79	370	731	1 101
Refined tin									
Malaysia	t	585	371	23	47	255	0	0	0
Other	t	11	25	5	4	5	1	2	28
Total	t	596	395	28	52	260	1	2	28
Tin content of primary materials exported bs									
	t	1 529	1 556	241	55	313	221	433	661
Value									
Tin concentrate	\$m	8	9	2	0	0	2	5	9
Refined tin	\$m	1	3	0	0	2	0	0	0
Total	\$m	8	12	2	0	2	2	5	9
Imports									
Quantity									
Refined tin	t	718	618	139	184	105	134	182	137
Value									
Refined tin	\$m	8	6	1	2	1	1	2	2
Prices									
LME c	US\$/t	8 491	7 403	6 433	7 602	8 529	8 653	10 335	12 729

a Primary and secondary. b Tin content of tin ores and concentrates and refined tin. c LME official close. p Preliminary. s ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.

24 titanium and zircon minerals

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Ilmenite concentrate									
New South Wales s	kt	0	55	0	28	27	43	32	39
Queensland s	kt	142	165	35	38	44	51	43	39
Western Australia	kt	1 852	1 965	462	494	516	538	521	523
Australia s	kt	1 993	2 185	497	560	588	632	598	602
Leucoxene concentrate									
New South Wales s	kt	0	14	0	0	13	10	18	11
Western Australia	kt	68	68	17	12	19	31	29	16
Australia s	kt	68	81	17	12	32	41	48	28
Rutile concentrate									
New South Wales s	kt	0	2	0	0	2	15	16	12
Victoria	kt	0	0	0	0	0	0	0	6
Queensland s	kt	68	70	14	19	16	21	16	17
Western Australia	kt	105	112	28	25	32	33	35	29
Northern Territory	kt	0	0	0	0	0	0	1	1
Australia s	kt	173	184	42	44	51	69	68	65
Synthetic rutile s									
Western Australia	kt	751	711	178	184	155	183	181	178
Titanium dioxide pigment s									
	kt	204	208	53	53	51	49	55	55
Zircon concentrate									
New South Wales s	kt	0	0	0	0	0	4	11	10
Victoria	kt	0	0	0	0	0	0	0	13
Queensland s	kt	49	52	10	13	12	15	13	13
Western Australia	kt	383	390	97	97	105	106	113	97
Northern Territory	kt	0	0	0	0	0	0	2	3
Australia s	kt	432	442	107	111	117	125	139	136
Exports									
Quantity									
Ilmenite concentrate a	kt	633	722	208	20	303	270	312	250
Leucoxene concentrate	kt	93	86	29	2	28	28	23	46
Rutile concentrate s	kt	158	169	40	41	43	67	80	77
Synthetic rutile s	kt	517	472	118	124	96	140	131	112
Titanium dioxide pigment	kt	175	177	46	41	49	44	39	40
Zircon concentrate s	kt	428	438	106	110	116	124	137	143
Value									
Ilmenite concentrate a	\$m	63	76	22	2	33	31	33	30
Leucoxene concentrate	\$m	25	25	8	2	6	11	7	11
Rutile concentrate s	\$m	114	138	33	34	36	56	66	64
Synthetic rutile s	\$m	306	321	80	85	67	97	91	78
Titanium dioxide pigment	\$m	422	441	116	104	121	108	96	97
Zircon concentrate s	\$m	319	398	95	107	104	112	123	130
Prices b									
Ilmenite concentrate									
Bulk	A\$/t	99	106	108	108	108	116	107	119
Leucoxene concentrate									
Bulk	A\$/t	208	226	252	na	204	348	257	197
Bagged	A\$/t	529	537	378	693	666	738	677	688
Rutile concentrate									
Bagged	A\$/t	771	897	885	902	933	907	867	884
Titanium dioxide pigment									
	A\$/t	2 412	2 486	2 505	2 507	2 490	2 473	2 454	2 402
Zircon concentrate									
All grades - bagged	A\$/t	903	1 055	1 064	1 029	1 113	1 130	1 147	1 130

a From January 1992, bulk only. b Average export unit value. p Preliminary. s ABARE estimate. na Not available.

Sources: Australian Bureau of Statistics, Canberra; ABARE.

25 uranium

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Mine									
Uranium oxide (U ₃ O ₈)	t	10 964	9 974	2 922	2 486	1 642	2 127	2 715	2 109
Uranium (U content)									
South Australia	t	4 596	4 062	1 116	928	887	868	893	935
Northern Territory	t	4 701	4 396	1 362	1 180	505	935	1 409	853
Australia	t	9 297	8 458	2 478	2 108	1 392	1 804	2 302	1 788
Exports ^a									
Quantity									
Uranium oxide (U ₃ O ₈)	t	11 249	10 253	3 353	2 040	1 760	1 856	3 005	1 725
Value									
Uranium oxide (U ₃ O ₈)	\$m	475	546	178	99	115	125	194	142
Prices									
Uranium oxide (U ₃ O ₈)									
Industry spot ^b	US\$/lb	22.20	36.79	34.67	38.83	43.33	50.00	65.00	85.00
Australia ^c	A\$/kg	42.24	53.24	52.99	48.42	65.37	67.40	64.61	82.43

^a Country details not available. ^b Average of weekly restricted spot price, published by The Ux Consulting Company. ^c Average export unit value. ^p Preliminary.
Sources: Australian Bureau of Statistics, Canberra; The Ux Consulting Company; ABARE.

26 zinc

	Unit	2004-05	2005-06 p	Quarter					
				2005-06 p			2006-07 p		
				Dec.	Mar.	June	Sep.	Dec.	Mar.
Production									
Mine s									
Zinc ore and concentrates	kt	2 506	2 564	629	646	634	607	667	605
Zinc content of all minerals produced									
New South Wales	kt	205	178	39	42	44	42	45	27
Queensland	kt	848	855	218	205	212	203	204	212
Western Australia	kt	47	113	22	40	32	22	48	25
Tasmania	kt	95	89	22	23	23	22	20	25
Northern Territory	kt	157	144	36	36	30	34	36	35
Australia	kt	1 352	1 380	338	346	340	324	352	324
Smelter and refinery									
Refined zinc (primary)	kt	464	446	115	101	113	121	129	119
Domestic despatches									
Refined zinc	kt	79	78	18	19	21	21	25	19
Exports									
Quantity									
Zinc concentrates									
Belgium-Luxembourg	kt	92	10	0	0	0	13	11	14
China	kt	289	198	74	37	38	70	93	56
Germany	kt	13	30	15	5	10	0	31	6
Japan	kt	343	375	131	102	78	115	77	51
Korea, Rep. of	kt	565	504	152	97	134	64	112	83
Netherlands	kt	392	384	87	102	108	89	80	58
Spain	kt	96	120	31	40	9	50	84	65
United States	kt	26	0	0	0	0	0	0	0
Other	kt	139	201	68	29	70	41	43	80
Total	kt	1 953	1 821	556	412	447	441	531	413
Refined zinc									
Chinese Taipei	kt	51	77	18	18	20	16	25	18
Hong Kong, China	kt	144	127	35	23	34	37	24	22
Indonesia	kt	18	11	3	2	4	5	4	3
Malaysia	kt	69	32	24	4	3	4	3	7
New Zealand	kt	11	13	3	4	4	2	3	3
Thailand	kt	6	4	1	1	2	2	1	1
United States	kt	0	10	0	0	10	0	5	0
Other	kt	97	114	36	30	24	16	26	45
Total	kt	397	388	119	81	100	83	92	99
Zinc content of all primary materials exported as	kt	1 427	1 328	402	295	335	305	349	300
Value									
Zinc concentrates	\$m	852	1 542	335	387	614	609	776	503
Refined zinc	\$m	614	998	234	223	390	361	437	485
Total	\$m	1 466	2 540	570	610	1 004	970	1 213	988
Prices									
LME cash b	US\$/t	1 171	2 118	1 640	2 242	3 292	3 363	4 207	3 456
Australia c	A\$/t	1 759	2 874	2 255	2 992	4 341	4 675	5 362	5 160

a Zinc content of all ores, concentrates, slags, residues, intermediate products, refined zinc, zinc powders, flakes and dust. **b** LME cash, midday, registered brands, minimum 98 per cent, 25 tonne warrants. **c** EZ Industries, Prime Western, 98.5 per cent. **p** Preliminary. **s** ABARE estimate.

Sources: Australian Bureau of Statistics, Canberra; London Metal Exchange; ABARE.