



MINERALS AND MINERAL PRODUCTS

MARCH 1976

**AUSTRALIAN
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NOTE. Inquiries concerning these statistics may be made in Canberra by telephoning Mr Brian Thorp on 52 5631 or, in each State capital, by telephoning the office of the Australian Bureau of Statistics.

EXPLANATORY NOTES

Introduction

This bulletin contains the following statistics :

- . principal minerals and mineral products produced in Australia
- . overseas trade in selected minerals and mineral products
- . related prices and price indexes
- . Federal Government payments to the mining and manufacturing industries.

2. In order to achieve early release for the majority of the statistics, this bulletin is published according to a set timetable. Consequently, although the statistics shown are the latest available at the time of issue they do not in all cases relate to the month to which the bulletin title refers.

3. More detailed statistics on various aspects of the mineral industry are contained in Part II - Quarterly Statistics of *The Australian Mineral Industry Quarterly Review*, which is published in conjunction with the Bureau of Mineral Resources.

Sources of Data

4. Table 1. Mine production statistics are collected by :

- . Bureau of Mineral Resources
- . Department of National Resources
- . State Mines Departments.

Preliminary annual statistics are also derived from these sources. Final annual statistics are derived from the annual Mining Census which is conducted by this Bureau in collaboration with the State Mines Departments.

Table 2. Production of principal manufactured products of mineral origin

- . Statistics of non-ferrous metal production and refined silver are collected by the Bureau of Mineral Resources.
- . Data on refined gold production are provided by the Reserve Bank.
- . Data on petroleum products are collected by the Department of National Resources.
- . Other data in this table are collected by the Australian Bureau of Statistics.

Tables 3 to 6. Overseas Trade data are extracted from this Bureau's compilation of overseas trade statistics, which are derived from documents obtained under the Customs Act by the Department of Business and Community Affairs.

Tables 7 and 8. Prices data are mainly derived from information collected and compiled by the Bureau of Mineral Resources. Overseas data are supplied to the Bureau of Mineral Resources by the *Metal Bulletin* and *Metals Week*. For further information, see Appendix C.

Tables 9 and 10. Price indexes data for metallic materials and exports are derived from this Bureau's compilation of price indexes. For further information see Appendixes D and E.

Table 11. Data on Federal Government payments are provided by the various Departments responsible for the administration of the specified Acts. Further details of Federal Government assistance to the mineral industry are given on pages 920-5 of *Official Year Book* No. 59, 1973.

Table 12. Supplies and disposals of gold bullion

- . Refinery production, imports and exports of gold bullion data are identical with corresponding figures in preceding tables, and have the same sources
- . Net industrial consumption data are supplied by the Reserve Bank.

Revision of Data

5. Statistics for current months are preliminary and subject to revision. Revisions of data, based on figures derived from established quarterly compilations of minerals statistics, the annual Mining Census and other collections, will be incorporated in subsequent issues of this bulletin as revised information becomes available.

Commodity Grouping

6. Commodities in Tables 1 to 6 are grouped according to conventions generally accepted in the mineral industry.

Seasonal Adjustment

7. This bulletin includes seasonally adjusted production statistics for black coal, ingot steel, Portland cement and sulphuric acid. In all adjustments account has been taken of normal seasonal factors and 'trading days' effects (arising from the varying numbers of

Sundays, Mondays, Tuesdays, etc. in the month). In the adjustment of black coal production, account has also been taken of the influence of Easter, Australia Day and varying patterns of annual leave which may, in successive years, affect figures differently for different months. Details of the methods used in seasonally adjusting these and other series are given in *Seasonally Adjusted Indicators 1975* (Reference No. 1.10).

Metric Units

8. All quantity data in this bulletin are in metric units. Details of units and conversion factors used are shown in Appendix F.

In Tables 7 and 8 prices data are, in general, shown as they are quoted in the relevant markets. For

this reason some prices data in these tables are quoted in terms of price per imperial unit of quantity.

Symbols and other usages

- r figure or series revised since previous issue
- - nil or less than half the final digit shown, or not applicable.
- n nominal
- p preliminary
- break in continuity of series (where drawn across a column between two consecutive figures).

Any discrepancies between totals and sums of components in tables are due to rounding.

PUBLICATIONS

The following is a list of publications containing other mining and related statistics for Australia, published by this Bureau or in conjunction with the Bureau of Mineral Resources. A complete list of Bureau publications, including details of separate State publications and prices charged, is contained in *Publications of the Australian Bureau of Statistics* (Reference No. 1.8). Users are also referred to the annual reports of the State Mines Departments, which contain mineral statistics.

A. Commodity statistics

Monthly	<i>Production Statistics Australia</i> (Reference No. 12.14) (Manufacturing Commodities) (a) <i>Overseas Trade Statistics : Part 1 - Exports</i> (Reference No. 8.9) (a) <i>Overseas Trade Statistics : Part 2 - Imports</i> (Reference No. 8.10) (a) <i>Monthly Bulletin of Copper, Lead and Zinc Statistics</i> (a) (b) <i>Monthly Bulletin of Tin Statistics</i> (a) (b) <i>Monthly Bulletin of Metal and Mineral Prices</i> (a) (b)
Quarterly	<i>Australian Mineral Industry Quarterly Review and Statistics</i> (b) <i>Quarterly Bulletin of Mineral Sands Statistics</i> (a) (b)
Annual	<i>Mineral Production</i> (Reference No. 10.51) (a) <i>Manufacturing Commodities : Principal Articles Produced</i> (Reference No. 12.26) (a) <i>Overseas Trade</i> (Reference No. 8.11) <i>Overseas Trade (Preliminary) : Part 1 - Exports</i> (Reference No. 8.15) (a) <i>Overseas Trade (Preliminary) : Part 2 - Imports</i> (Reference No. 8.16) (a)

B. Industry and related statistics

Quarterly	<i>Mineral Exploration (other than for petroleum) Expenditure by Principal Enterprises</i> (Reference No. 10.75) (a) <i>Petroleum Exploration</i> (Reference No. 10.76) (a)
Annual	<i>Mining Establishments : Summary of Operations (Preliminary)</i> (Reference No. 10.72) (a) <i>Mining Establishments : Details of Operations</i> (Reference No. 10.60) (a) <i>Manufacturing Establishments : Details of Operations</i> (Reference No. 12.29) <i>Manufacturing Establishments : Summary of Operations</i> (Reference No. 12.23) (a) <i>Foreign Ownership and Control of the Mining Industry 1972-73</i> (Reference No. 10.42) (a) <i>Mineral Exploration</i> (Reference No. 10.41) (a)

C. General information and statistics

Annual	<i>Official Year Book, Australia</i> (Reference No. 1.1) (Mineral Industry Chapter) <i>Australian Mineral Industry Annual Review</i> (b)
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(a) Available free of charge. (b) Published by Bureau of Mineral Resources, Canberra.

TABLE 1. - MINE PRODUCTION OF PRINCIPAL MINERALS, AUSTRALIA

Period	Copper (a)	Lead (a)	Zinc (a)	Tin (a)	Nickel concentrate (a)	Bauxite (b)	Iron ore and concen- trate (b)	Manganese ore (b)	Tungsten concentra- tes (b)	Gold (a) (c)				
	tonnes	tonnes	tonnes	tonnes	tonnes	'000 tonnes	'000 tonnes	'000 tonnes	tonnes	'000 grams				
1972-73	198,718	385,008	506,995	11,754	36,104	14,702	74,645	1,295	2,672	20,002				
1973-74	246,669	370,431	441,286	10,599	42,247	18,545	91,508	1,619	2,004	16,272				
1974-75	233,010	412,850	494,854	10,152	59,109	22,148	99,418	1,480	1,942	14,827				
July-Mar.														
1974-75	175,874	308,435	372,705	7,636	42,464	16,841	75,038	1,046	1,248	11,307				
1975-76	165,525	291,287	350,948	6,530				1,248	1,705					
1974-75 -														
January	17,092	25,755	31,268	747	16,680	5,663	24,857	341	563	{ 1,146				
February	15,169	33,471	40,996	741										
March	20,157	34,433	42,964	804										
April	18,988	34,816	39,484	749	16,645	5,307	24,380	433	694	{ 1,078				
May	19,923	34,916	41,166	863										
June	18,225	34,683	41,499	904										
1975-76 -														
July	18,806	36,477	44,835	785	19,906	5,396	25,429	476	641	{ 1,184				
August	17,675	35,852	43,253	795										
September	18,829	36,135	41,758	616										
October	17,816	37,672	41,886	556	19,965	4,642	23,008	305	553	{ 1,271				
November	18,137	33,970	43,652	823										
December	16,892	28,947	35,854	752										
January	18,800	20,820	24,924	610	18,452	28,308	36,208	467	511	{ 1,431				
February	18,452	28,308	36,208	703										
March	20,118	33,206	38,578	890										
Period	Mineral sands concentrates (b)				Black coal				Petroleum (e)					
	Silver (a)	Ilmenite (f)	Rutile	Zircon	Under-ground	Total	Seasonally adjusted (g)	Brown coal	Crude oil	Natural gas				
	'000 grams	tonnes	tonnes	tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 cu m	million cu m				
1972-73	609,459	720,996	318,698	373,024	36,959	59,755	..	24,121	20,669	3,713				
1973-74	674,359	676,566	308,050	347,014	34,198	59,344	..	26,293	23,162	4,403				
1974-75	748,674	950,288	337,319	390,814	37,237	70,339	..	27,514	23,096	4,831				
July-Mar.														
1974-75	561,323	701,646	252,800	298,923	27,930	51,955	..	19,864	17,139	3,524				
1975-76	556,882				26,342	49,809	..		17,724	3,846				
1974-75 -														
January	52,542	80,594	25,559	31,642	2,388	4,752	6,124	2,000	2,113	332				
February	60,039	77,228	25,787	31,196	3,430	6,412	6,531	2,079	1,933	342				
March	63,890	89,822	30,898	33,445	2,946	5,189	5,830	2,148	2,043	382				
April	61,036	95,689	27,316	29,665	3,176	6,380	6,721	2,412	1,964	400				
May	63,259	77,089	25,413	28,898	3,346	6,646	5,929	2,641	1,915	437				
June	63,056	75,864	31,790	33,328	2,785	5,358	4,892	2,597	2,078	471				
1975-76 -														
July	65,531	76,961	24,939	31,056	2,455	4,846	4,157	2,683	2,061	490				
August	62,559	89,699	24,275	26,477	2,205	3,614	4,129	2,542	2,131	486				
September	65,397	90,941	28,561	28,239	2,574	4,691	4,355	2,319	1,489	441				
October	69,082	79,140	28,484	31,636	3,813	7,478	6,287	2,341	2,159	449				
November	61,545	82,212	27,800	29,967	3,402	6,738	6,276	2,283	1,968	405				
December	56,148	80,487	32,820	33,643	2,516	4,990	7,452	2,132	1,974	393				
January	51,771	65,284	20,066	22,319	2,288	4,262	5,512	2,106	2,129	357				
February	64,015	75,696	29,521	31,998	3,308	6,399	6,522	2,391	1,775	397				
March	60,834				3,781	6,790	6,346		2,038	429				

(a) Quantities shown are metallic contents of mine products based on chemical assay. (b) Quantities shown are gross output. (c) Western Australian and Northern Territory gold production figures (in respect of major producers) normally relate to a four-week period ending in the calendar month indicated. However, two such periods ended in the calendar month of August 1975 for the Northern Territory and November 1975 for Western Australia. (d) Available on a quarterly basis only. (e) Source : Department of National Resources. (f) Includes ilmenite for beneficiating. (g) See explanatory notes, paragraph 7, page 2.

TABLE 2. - PRODUCTION OF PRINCIPAL MANUFACTURED PRODUCTS OF MINERAL ORIGIN, AUSTRALIA (a)

Period	Alumina	Refined aluminium	Blister copper (b)	Refined copper	Lead bullion (b) (c)	Refined lead	Refined zinc	Refined tin	Iron ore pellets (d)	Pig iron (e)
	'000 tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	'000 tonnes	'000 tonnes
1972-73	3,527	207,531	149,512	136,792	138,798	173,561	302,536	7,301	8,734	(f)7,182
1973-74	4,516	208,756	184,952	149,300	149,257	201,025	281,586	6,509	10,214	(f)7,515
1974-75	5,073	222,876	189,257	178,451	149,876	170,508	243,209	5,973	9,614	(f)7,591
July - Mar. 1974-75	3,908	169,935	143,897	135,067	111,241	137,937	201,512	4,710	7,221	5,763
1975-76				125,650	111,097	123,720	147,196	3,990	7,406	5,559
1974-75 -										
January	449	19,092	15,805	14,888	12,118	16,752	21,081	177	851	688
February	389	17,046	13,079	14,221	12,057	11,746	16,860	472	630	648
March	422	18,158	16,311	13,932	13,979	14,845	14,944	539	755	673
April	372	17,139	15,738	15,510	12,407	9,582	13,538	481	925	644
May	394	18,023	15,244	13,547	12,642	11,769	14,421	390	853	660
June	400	17,779	14,378	14,327	13,586	11,220	13,738	392	614	531
1975-76 -										
July	410	17,958	15,161	14,152	13,413	12,902	16,636	421	745	555
August	469	18,088	15,222	13,545	12,802	13,621	14,680	388	876	675
September	423	17,626	15,617	12,484	12,392	14,206	15,241	605	977	651
October	472	18,122	14,808	15,981	13,978	13,591	17,352	462	935	639
November	473	17,273	14,207	10,930	10,792	15,374	16,558	328	592	605
December	455	17,887	14,349	13,576	10,819	14,185	18,286	599	716	507
January			13,150	17,570	11,231	12,746	15,566	280	925	711
February			13,533	11,163	11,313	13,541	15,345	342	825	574
March				16,249	14,357	13,554	17,532	565	816	642

Period	Refined gold									
	Raw steel (e)		Australian origin							
	Original		Seasonally adjusted (g)	Blooms and slabs	Tinplate	Newly won		Overseas origin		Refined silver
						Quantity	Value (h)	From scrap	Newly won	
	'000 tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams
1972-73	(f)7,235	..	(f)6,164	(f)242,679	14,689	29,148	554	3,254	130	247,933
1973-74	(f)7,707	..	(f)6,429	(f)318,844	11,106	29,021	790	2,561	56	259,221
1974-75	(f)8,017	..	(f)6,260	(f)316,821	10,744	44,311	803	2,929	83	272,855
July - Mar. 1974-75	6,187	..	4,845	241,273	8,128	33,458	624	2,170	82	188,380
1975-76	5,898	..	4,251	200,827						174,906
1974-75 -										
January	679	694	520	20,106	917	3,721	24	151	..	19,259
February	660	726	493	18,920	667	2,507	80	233	3	19,268
March	692	688	447	22,939	1,185	4,696	69	271	23	20,666
April	640	672	443	24,097	807	2,837	49	237	..	30,796
May	664	657	483	22,818	783	2,407	46	233	..	25,387
June	573	628	444	22,835	1,026	5,610	84	289	1	28,292
1975-76 -										
July	593	569	441	24,092	950	3,365	60	275	21	18,645
August	735	717	518	24,658	1,015	4,020	82	264	..	20,310
September	696	690	496	23,148	1,453	4,062	67	193	..	23,780
October	589	551	397	19,954	1,004	3,672	56	253	..	21,294
November	663	646	489	22,248	918	2,932	59	293	14	17,859
December	661	633	477	20,331	1,332	4,287	56	233	..	21,992
January	672	684	493	21,850	1,132	3,253	30	244	..	14,805
February	584	624	433	20,296						15,368
March	706	680	505	24,250						20,853

(a) Except for pig iron, steel ingots and refined gold from scrap, excludes secondary metal. (b) Metallic content. (c) Lead bullion for export. (d) Gross wet weight. (e) Includes recovery from scrap. (f) Year ended May. (g) See explanatory notes, paragraph 7, page 2. (h) Based on the price fixed by the Reserve Bank. Includes allowance for premiums on sales of gold overseas and for industrial purposes in Australia. Excludes subsidy.

TABLE 2. - PRODUCTION OF PRINCIPAL MANUFACTURED PRODUCTS OF MINERAL ORIGIN, AUSTRALIA - continued

Period	Petroleum products (a)				Coal products	
	Motor spirit	Automotive distillate	Furnace fuel	Industrial diesel fuel	Metallurgical coke	Brown coal briquettes
	million litres	'000 tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 tonnes
1972-73	11,157	3,706	5,042	1,055	4,925	1,221
1973-74	12,200	4,265	5,265	1,276	4,916	1,164
1974-75	12,508	4,682	4,656	1,110	5,497	1,092
July - Mar.						
1974-75	9,344	3,521	3,575	853	4,186	787
1975-76	9,288	3,789	3,207	852	3,860	703
1974-75 -						
January	1,040	458	389	85	497	63
February	1,039	402	341	65	439	59
March	1,118	447	390	75	494	94
April	996	374	419	89	463	89
May	1,114	414	334	86	459	101
June	1,054	373	327	81	389	116
1975-76 -						
July	1,045	412	403	97	376	110
August	1,150	416	365	98	416	112
September	1,020	420	355	105	390	89
October	995	418	375	101	433	84
November	912	440	368	90	421	68
December	952	435	347	101	462	45
January	1,179	481	365	107	456	50
February	1,061	413	320	64	430	62
March	974	354	310	89	476	82
Period	Building materials			Chemicals		
	Portland cement		Asbestos cement sheets non-acoustic	Sulphuric acid		Superphosphate (c)
	Original	Seasonally adjusted (b)		Original	Seasonally adjusted (b)	
	'000 tonnes	'000 tonnes	'000 sq m	'000 tonnes	'000 tonnes	'000 tonnes
1972-73	5,037	..	39,802	2,265	..	4,918
1973-74	5,330	..	44,128	2,428	..	5,313
1974-75	5,086	..	42,040	1,770	..	3,309
July - Mar.						
1974-75	3,789	..	37,484	1,544	..	3,047
1975-76	3,708	..	30,374	925	..	1,493
1974-75 -						
January	305	420	1,416	154	135	249
February	401	439	3,682	140	125	232
March	415	413	3,620	124	90	191
April	413	421	2,783	94	65	116
May	460	431	3,409	69	68	75
June	424	421	3,365	63	93	71
1975-76 -						
July	439	415	3,495	67	78	69
August	429	416	3,020	73	73	59
September	450	428	3,684	72	68	63
October	443	401	4,031	73	106	84
November	449	417	3,481	109	104	189
December	389	405	3,552	113	118	195
January	255	255	1,807	129	127	242
February	416	416	3,154	135	154	262
March	438	418	4,150	153	154	331

(a) Produced by Australian refineries from imported and indigenous petroleum. Source : Department of National Resources. (b) See explanatory notes, paragraph 7, page 2. (c) Includes double and triple superphosphate and ammonium phosphate, expressed in terms of single superphosphate i.e. 22% P_2O_5 equivalent.

TABLE 3. — EXPORTS OF SELECTED MINERALS AND MINERAL PRODUCTS, AUSTRALIA (a)

Commodity (b)		Quantity					Value (\$'000)				
		1973-74	1974-75	July-Mar.		1976	1973-74	1974-75	July-Mar.		1976
				1974-75	1975-76				1974-75	1975-76	
METALLIC MINERALS AND METALS (b)											
Non-ferrous -											
Copper -											
Concentrate	tonnes	175,510	146,744	111,995	111,504	4,761	57,755	44,145	34,588	29,030	1,551
Blister	"	10,426	15,196	10,022	7,216	982	21,856	20,853	14,408	9,786	1,310
Refined	"	50,678	93,862	75,379	59,428	7,723	76,850	93,800	76,723	54,523	7,197
Matte, slags, etc.	"	8,392	23,496	7,166	22,099	286	2,440	3,859	2,578	1,816	61
Lead -											
Concentrate	tonnes	77,678	42,192	32,863	70,566	..	19,445	13,223	9,665	15,754	..
Bullion	"	147,820	152,754	112,706	121,894	24,994	73,059	82,265	61,356	55,431	11,810
Refined	"	134,231	124,766	102,879	98,309	14,391	43,671	47,435	39,895	25,909	3,856
Slags and residues	"	44,825	25,406	19,400	18,143	1,467	2,644	2,261	1,351	1,302	55
Zinc -											
Concentrate	tonnes	426,272	398,622	329,793	318,163	23,468	45,560	58,311	47,843	46,399	3,067
Refined	"	164,404	140,429	114,434	91,333	13,801	69,331	78,526	63,212	52,007	8,366
Slags and residues	"	6,758	5,454	4,450	3,906	349	1,647	1,799	1,506	1,078	112
Tin -											
Concentrate	tonnes	7,982	13,700	11,377	5,349	387	13,530	25,625	21,725	10,469	818
Refined	"	2,410	2,394	1,680	1,869	239	7,641	11,044	7,334	9,360	1,197
Nickel -											
Concentrate	tonnes			not available			13,510	13,397	11,735		
Aluminium (c) -											
Alumina	'000 tonnes	3,951	4,472	3,457	3,830	393	196,078	297,873	218,857	308,820	35,707
Refined	tonnes	45,834	64,064	44,166	53,369	4,988	20,727	37,536	25,760	33,235	3,435
Ferrous and alloy -											
Iron ore -											
Pellets	'000 tonnes	9,519	7,747	5,785	6,737	678	89,905	101,746	72,799	102,419	10,149
Fines	"	31,874	36,196	27,479	25,586	2,868	154,078	237,477	173,936	197,521	23,178
Lump	"	36,896	41,404	31,440	26,021	2,263	248,098	365,783	268,924	265,230	23,986
Tungsten -											
Scheelite concentrate	tonnes	1,658	1,924	1,477	1,761	371	3,419	8,686	6,290	9,395	1,919
Wolfram concentrate	"	382	469	374	375	28	792	2,106	1,578	1,658	125
Pig iron	tonnes	957,805	558,507	465,448	446,966	57,336	60,081	62,012	52,484	30,868	3,905
Steel ingots, blooms	"	747,572	1,132,954	713,810	1,259,343	62,134	64,059	149,322	95,838	130,553	5,620
Mineral sands -											
Ilmenite concentrate	tonnes	710,570	628,459	546,154	424,003	25,584	8,136	7,658	6,431	5,658	351
Rutile concentrate	"	359,043	338,087	229,819	245,908	19,309	45,324	56,780	36,288	45,284	3,527
Zircon concentrate	"	401,545	388,926	292,970	211,234	11,211	18,615	56,972	36,444	35,883	1,795
Precious -											
Gold, refined	'000 grams	4,344	2,940	2,613	4,864	830	18,239	10,973	9,610	17,624	3,342
Silver, refined	"	112,762	143,301	87,758	64,190	4,437	8,200	14,119	8,522	6,591	450
FUEL MINERALS											
Coal, black	'000 tonnes	27,755	32,652	24,066	21,030	2,316	347,992	660,511	479,421	656,654	79,390
Crude oil (d)	'000 cu m	288	234	166	151	20	8,520	14,388	10,278	11,060	1,362

(a) The Australian Export Commodity Classification for each commodity in this table is shown in Appendix A. (b) Quantities shown for metallic minerals are gross quantities, not metallic contents. Principal metallic contents of selected ores and concentrates exported are shown in Table 4. (c) In addition to alumina and refined aluminium, significant quantities of bauxite are exported, but details are not available for publication. (d) Includes also partly refined oil, topped crudes and enriched crudes.

TABLE 4. - PRINCIPAL METALLIC CONTENTS OF SELECTED ORES AND CONCENTRATES ETC., EXPORTED, AUSTRALIA (a)

Particulars	Metallic contents - estimated from assay						
	Copper	Lead	Zinc	Tin	Iron	Tungstic oxide	Gold
	tonnes	tonnes	tonnes	tonnes	'000 tonnes	metric ton	'000 grams
1972-73	57,330	191,064	164,453	4,548	41,694	165,595	6,077
1973-74	62,282	205,109	238,102	4,375	49,399	139,866	4,129
1974-75	60,638	186,583	242,915	5,493	53,656	170,298	7,274
July-Dec.							
1974-75	29,932	94,994	136,325	2,736	27,840	80,605	3,779
1975-76	42,309	112,043	93,281	1,783	24,867	105,980	1,686
December 1975 -							
Copper concentrate	2,961	..	..	..	..	..	1
Blasted copper	2,310	..	..	..	..	..	363
Copper matte, slag etc.	312	555	..	..	..	..	588
Lead concentrates	153	6,517	548	..	..	..	62
Lead bullion	..	6,843	..	..	..	..	15,413
Lead slags and residues	..	1,906	..	..	..	..	1,790
Zinc concentrate	..	..	27,642	..	..	..	7,720
Zinc slags and residues	..	..	282	..	..	..	..
Tin concentrate	..	..	..	457	..	..	..
Iron ore - Pellets	..	..	..	..	274	..	..
Fines	..	..	..	..	1,530	..	..
Lump	..	..	..	..	1,274	..	..
Scheelite concentrate	..	..	..	..	..	12,770	..
Wolfram concentrate	..	..	..	..	..	4,130	..
Total December 1975	5,736	15,821	28,472	457	3,078	16,900	426

(a) The Australian Export Commodity Classification for each commodity in this table is shown in Appendix A.

TABLE 5. - IMPORTS OF SELECTED MINERALS AND MINERAL PRODUCTS, AUSTRALIA

		Quantity					Value (\$'000)				
		July-Mar				Mar	July-Mar				Mar
Commodity (a)		1973-74	1974-75	1974-75	1975-76	1976	1973-74	1974-75	1974-75	1975-76	1976
METALS											
Tin, refined	tonnes	67	26	22	24	10	336	138	118	123	51
Nickel (pigs, anodes, etc.)	tonnes	2,687	1,050	978	666	.	5,474	3,410	2,856	2,456	..
Ferro-alloys	tonnes	46,335	43,287	35,605	22,977	999	12,570	21,210	17,162	10,418	343
Gold											
Unrefined bullion (b)	'000 grams	2,697	2,809	1,986	2,193	269	7,265	8,744	5,988	6,802	689
Refined	"	7	24	24	9	5	1	108	108	35	17
FUEL MINERALS											
Crude oil (c)	'000 cu m	10,139	9,552	7,655	7,624	665	244,062	475,080	377,880	393,701	40,461
NON-METALLIC MINERALS											
Asbestos	tonnes	56,839	51,194	36,969	39,076	5,377	8,216	11,195	7,138	12,771	1,960
Diamonds -											
Industrial	metric carat	1,084,883	928,558	743,397	528,991	43,356	3,717	3,420	2,587	1,982	199
Gemstone	"	90,196	69,091	54,495	67,259	8,147	14,732	14,307	10,618	13,426	1,864
Phosphate rock	'000 tonnes	3,104	2,639	2,068	1,186	83	35,232	74,059	52,636	42,059	3,134
Potassium fertilisers	tonnes	190,597	211,108	1,33,005	90,639	7,766	5,220	9,523	6,526	6,069	565
Sulphur	tonnes	608,010	925,747	595,228	164,063	5,288	8,329	14,899	12,434	4,049	237

(a) The Australian Import Commodity Classification for each commodity in this table is shown in Appendix B. (b) Gold content. (c) Includes also partly refined oil, topped crudes, enriched crudes and refinery feedstock.

TABLE 6. - EXPORTS OF SELECTED MINERALS AND METALS BY COUNTRY OF CONSIGNMENT, AUSTRALIA (a) (b)

Country	Quantity					Value (\$'000)				
	July-Mar.				Mar. 1976	July-Mar.				Mar. 1976
	1973-74	1974-75	1974-75	1975-76		1973-74	1974-75	1974-75	1975-76	
REFINED COPPER										
	— tonnes —									
France	12,913	12,897	8,949	7,917	1,101	19,119	13,188	9,474	7,310	1,073
Germany, Fed. Rep.	15,734	42,305	35,422	20,555	2,070	22,940	42,137	35,676	18,518	1,900
Japan	8,054	10,061	8,075	5,293	..	14,375	10,119	8,276	4,851	..
United Kingdom	11,601	20,719	16,410	16,228	1,502	17,135	20,640	16,658	14,992	1,422
Other countries	2,376	7,880	6,523	9,435	3,050	3,281	7,717	6,639	8,853	2,802
Total	50,678	93,862	75,379	59,428	7,723	76,850	93,800	76,723	54,523	7,197
LEAD BULLION										
	— tonnes —									
Germany, Fed. Rep.	9,358	9,809	5,410	2,306	493	3,738	4,940	2,739	904	165
Netherlands	13,727	11,959	8,747	11,097	..	4,575	5,380	3,873	4,677	..
United Kingdom	124,484	125,900	93,464	108,441	24,501	64,642	68,924	51,725	49,831	11,645
Other countries	251	5,086	5,085	50	..	104	3,020	3,019	18	..
Total	147,820	152,754	112,706	121,894	24,994	73,059	82,264	61,356	55,431	11,810
REFINED LEAD										
	— tonnes —									
India	21,592	26,496	25,431	25,269	4,591	6,734	10,475	10,056	7,178	1,142
Italy	15,001	11,476	10,146	7,280	1,791	5,130	4,383	3,964	1,871	476
New Zealand	6,023	6,209	4,381	4,446	653	2,121	2,286	1,698	1,243	194
Thailand	4,629	2,908	2,403	5,019	545	1,636	1,175	985	1,384	144
United Kingdom	36,821	46,893	33,939	29,111	5,965	12,579	17,197	12,755	7,637	1,639
United States of America	8,712	..	..	..	..	1,254	..	..	..	..
Other countries	41,453	30,784	26,579	27,184	846	14,216	11,919	10,439	6,595	259
Total	134,231	124,766	102,879	98,309	14,391	43,671	47,435	39,895	25,909	3,856
ZINC CONCENTRATE										
	— tonnes —									
Belgium-Luxembourg	27,631	57,367	39,287	64,557	4,500	2,978	7,330	5,048	9,028	490
Finland	16,462	..	..	..	..	1,953	..	..	..	..
Germany, Fed. Rep.	5,215	17,056	17,056	3,647	3,647	434	2,736	2,736	528	528
Japan	213,508	177,227	152,074	114,656	..	24,922	27,686	23,268	17,351	..
Norway	26,479	12,588	12,588	9,729	..	2,455	1,673	1,673	1,619	..
United Kingdom	66,347	38,212	38,212	140	36	6,193	5,084	5,084	28	6
Other countries	70,630	96,172	70,576	125,434	15,285	6,625	13,801	10,033	17,845	2,043
Total	426,272	398,622	329,793	318,163	23,468	45,560	58,311	47,843	46,399	3,067

(a) The Australian Export Commodity Classification for each commodity in this table is shown in Appendix A. (b) Quantities shown for metallic minerals are gross quantities, not metallic contents. Principal metallic contents of selected ores and concentrates exported are shown in Table 4.

TABLE 6. - EXPORTS OF SELECTED MINERALS AND METALS BY COUNTRY OF CONSIGNMENT, AUSTRALIA (a) (b) - continued

Country	Quantity					Value (\$'000)				
	1973-74	1974-75	July-Mar.		Mar. 1976	1973-74	1974-75	July-Mar.		Mar. 1976
			1974-75	1975-76				1974-75	1975-76	
REFINED ZINC										
	- tonnes -									
India	19,009	18,253	16,252	5,112	29	7,193	11,014	9,810	2,925	11
Indonesia	15,939	10,270	7,568	14,360	1,320	7,095	6,203	4,532	8,357	800
Malaysia	6,546	5,330	4,390	4,413	584	2,873	3,073	2,505	2,563	347
New Zealand	19,876	19,569	12,939	9,745	4,345	8,408	11,532	7,314	5,740	2,590
Taiwan	15,995	8,190	7,255	7,265	511	6,811	4,882	4,299	4,247	315
Thailand	15,114	10,273	7,953	11,142	1,020	6,547	6,246	4,825	6,653	614
United Kingdom	21,091	20,347	18,114	6,686	36	7,144	7,713	6,923	2,366	13
United States of America	27,857	31,180	25,447	15,763	4,369	13,818	18,045	14,710	9,689	2,710
Other countries	22,977	17,017	14,516	16,847	1,587	9,442	9,818	8,295	9,468	965
Total	164,404	140,429	114,434	91,333	13,801	69,331	78,526	63,212	52,007	8,366
IRON ORE										
	- '000 tonnes -									
Belgium-Luxembourg	1,785	2,546	1,836	1,220	242	6,627	14,680	9,527	11,891	2,262
France	1,355	1,584	1,203	1,651	183	7,258	12,295	9,189	14,736	1,975
Germany, Fed. Rep.	2,235	5,021	4,094	3,267	368	11,046	40,842	31,560	36,377	3,083
Italy	1,882	2,665	2,026	1,507	59	9,991	21,583	14,131	14,895	836
Japan	64,974	64,211	48,840	46,010	4,577	422,909	542,180	401,598	443,522	45,252
United Kingdom	919	1,069	735	368	..	4,914	8,138	5,515	3,613	..
United States of America	496	1,158	850	379	..	2,851	8,247	6,096	2,624	..
Other countries	4,645	7,095	5,123	3,942	383	26,485	57,040	38,041	37,512	3,905
Total	78,290	85,347	64,706	58,345	5,810	492,081	705,006	515,659	565,170	57,313
MINERAL SANDS										
	- tonnes -									
Belgium-Luxembourg	10,356	7,950	6,760	13,035	..	447	1,467	1,054	3,020	..
France	204,790	146,083	131,093	108,361	35	3,670	5,345	3,446	4,801	5
Italy	64,491	40,621	33,459	23,124	556	3,666	8,356	6,622	5,035	105
Japan	317,507	295,089	234,728	166,161	22,382	12,726	21,888	14,950	13,828	961
Netherlands	99,718	91,528	78,725	44,017	10,590	6,531	7,871	5,704	6,188	516
United Kingdom	321,536	232,777	169,302	187,162	2,856	13,452	16,409	8,130	11,460	669
United States of America	266,006	316,110	213,597	187,789	9,954	19,432	36,519	20,663	23,671	1,368
Other countries	186,754	225,314	201,279	151,496	9,731	12,151	23,554	18,595	18,822	2,048
Total	1,471,158	1,355,472	1,068,943	881,145	56,104	72,075	121,410	79,163	86,825	5,673
BLACK COAL										
	- '000 tonnes -									
Belgium-Luxembourg	286	206	206	100	..	2,930	4,054	4,054	3,695	..
Greece	524	643	456	155	..	4,643	13,902	9,353	5,849	..
Italy	997	1,404	1,001	614	108	10,064	33,015	22,059	19,554	3,510
Japan	23,611	24,320	17,915	16,578	1,724	303,281	501,797	366,871	546,215	63,788
Korea, Rep.	665	654	518	371	..	7,989	14,012	11,062	11,880	..
Netherlands	730	1,076	718	317	..	7,645	21,197	13,925	7,222	..
United Kingdom	341	1,978	1,436	1,639	205	4,401	28,884	20,571	28,313	3,117
Other countries	601	2,372	1,815	1,257	279	7,039	43,649	31,526	33,925	8,975
Total	27,755	32,652	24,066	21,030	2,316	347,992	660,511	479,421	656,654	79,390

(a) The Australian Export Commodity Classification for each commodity in this table is shown in Appendix A. (b) Quantities shown for metallic minerals are gross quantities, not metallic contents. Principal metallic contents of selected ores and concentrates exported are shown in Table 4.

TABLE 7. - AVERAGE DAILY PRICES OF SELECTED METALS, AUSTRALIAN AND OVERSEAS MARKETS (a) (b)

Period	Copper		Lead			Zinc			
	Aust. (\$A - tonne)	L.M.E. (\$ Stg - metric ton)	Aust. (\$A - tonne)	L.M.E. (\$ Stg - metric ton)	U.S.A. (USc-lb)	Aust. (\$A - tonne)	L.M.E. (\$ Stg - metric ton)	Prod. (\$ Stg - ton)	U.S.A. (USc-lb)
	1	2	3	4	5	6	7	8	9
1972-73	990.3	508.6	(c)250.0	137.8	15.63	(c)355.5	177.2	174.3	19.41
1973-74	1,428.8	980.7	358.4	237.4	18.48	454.2	582.0	282.4	27.45
1974-75	1,050.5	598.3	366.6	216.5	23.95	612.8	359.1	353.6	38.55
1975-76 -									
Highest	1,220.0	883.5	290.0	280.0	23.00	637.0	449.5	(d)795.0	41.00
Lowest	900.0	537.5	290.0	156.8	19.00	603.0	318.9	(d)795.0	37.00
1974-75 -									
February	910.0	528.7	380.0	226.0	24.50	640.0	331.1	360.0	38.90
March	980.0	554.5	380.0	224.4	24.50	640.0	331.8	360.0	38.50
April	1,010.0	560.5	374.6	202.0	24.50	640.0	329.8	360.0	38.67
May	965.7	539.7	344.0	181.5	23.24	634.0	320.9	360.0	38.75
June	918.1	522.5	290.0	154.5	19.17	622.0	328.8	360.0	38.75
1975-76 -									
July	911.3	559.3	290.0	164.2	19.00	622.0	323.4	360.0	38.75
August	972.0	603.7	290.0	181.2	19.52	603.0	348.1	360.0	38.75
September	987.6	580.2	290.0	172.7	20.00	603.0	346.9	360.0	39.34
October	952.2	573.2	290.0	167.5	20.00	613.3	342.3	375.7	39.34
November	934.0	575.1	290.0	164.4	20.00	637.0	343.9	390.0	38.75
December	923.8	568.2	290.0	164.6	19.50	637.0	333.9	390.0	38.75
January	936.0	587.5	290.0	165.6	19.00	637.0	340.6	(d)795.0	37.15
February	945.7	601.6	290.0	178.3	19.00	637.0	340.2	(d)795.0	37.00
March	1,033.0	683.7	290.0	197.4	20.00	637.0	373.6	(d)795.0	37.00
April	1,115.6	816.9	290.0	246.0	21.92	637.0	426.9	(d)795.0	37.00

Period	Tin			Nickel		Aluminium		Gold		Silver	
	Aust. (\$A - tonne)	L.M.E. (\$ Stg - metric ton)	Straits (\$ Mal- picul)	Nickel U.S.A. (¢)	U.S.A. (\$US-lb)	Aust. (\$A-tonne)	U.S.A. (USc-lb)	Premium mar- kets (\$A/oz)	U.K. (\$US-f.oz)	Aust. (¢)	U.K. (\$ Stg new pence-f.oz)
	10	11	12	13	14	15	16	17	18	19	19
1972-73	(c)3,291.2	1,630.5	627.7	1.48	(c)578.0	24.3	58.40	77.92	(d)156.6		83.6
1973-74	4,774.1	2,882.8	957.0	1.59	(g)591.0	28.2	88.47	130.76	82.53		162.8
1974-75	5,715.8	3,246.7	1,022.3	1.93	671.0	38.1	121.54	167.86	104.91		187.9
1975-76 -											
Highest	6,233.0	3,935.0	1,099.0	2.20	754.0	41.0	127.20	168.4	125.4		250.5
Lowest	5,174.0	3,003.0	923.0	2.01	707.0	39.0	102.83	124.6	103.0		189.1
1974-75 -											
February	5,859.0	3,149.3	998.5	2.01	707.0	39.0	132.21	179.60	100.1		183.2
March	5,589.0	3,049.9	954.0	2.01	707.0	39.0	130.02	177.72	104.7		181.5
April	5,510.0	3,007.0	948.0	2.01	707.0	39.0	127.07	168.85	102.6		178.6
May	5,484.0	2,970.8	931.8	2.01	707.0	39.0	124.00	167.39	106.6		195.8
June	5,450.0	3,035.5	933.7	2.01	707.0	39.0	121.03	164.23	109.1		196.8
1975-76 -											
July	5,392.3	3,107.2	954.9	2.01	707.0	39.0	125.46	165.16	112.6		214.8
August	5,544.0	3,189.4	999.2	2.01	707.0	40.4	127.20	162.99	125.4		233.0
September	5,455.1	3,134.5	987.7	2.20	754.0	41.0	115.53	144.10	117.0		215.3
October	5,295.9	3,079.2	956.3	2.20	754.0	41.0	112.18	142.75	106.4		210.9
November	5,291.9	3,054.2	957.5	2.20	754.0	41.0	112.59	142.43	109.1		210.1
December	5,273.4	3,056.5	953.8	2.20	754.0	41.0	110.05	139.30	107.1		202.4
January	5,311.7	3,074.2	960.8	2.20	754.0	41.0	105.70	131.04	107.5		200.4
February	5,551.6	3,205.4	1,001.2	2.20	754.0	41.0	103.14	131.08	103.0		201.6
March	5,961.8	3,552.2	1,064.8	2.20	754.0	41.0	105.69	132.27	106.6		215.8
April	6,126.0	3,848.8	1,084.3	2.20	754.0	41.0	102.83	127.94	106.2		239.3

(a) Where a daily market does not actually exist for a commodity, daily prices have been imputed from price data which are available. The numerals shown at the head of each column are reference numbers which relate to the detailed price specifications set out in Appendix C. (b) See paragraph 4, page 2. (c) \$A per ton. (d) From 2 January 1976, prices quoted in \$US per tonne. (e) Prior to July 1975, monthly prices were prices quoted on the first trading day of the month. From July 1975 monthly prices are prices quoted on the last trading day of the month. Annual prices are the averages of the monthly prices. (f) Ac (Australian cents) per f.oz. (g) Relates to the period after January 1974 when prices were expressed in \$A-tonne.

TABLE 8. - PRICES OF SELECTED ORES AND CONCENTRATES, AUSTRALIAN AND OVERSEAS MARKETS (a) (b)

Period	Tin Aust. (c) (\$A-mtu)	Wolfram Europe (c) (£ Stg-mtu)	Ilmenite Europe (d) (\$A-metric ton)	Rutile Europe (d) (\$A-metric ton)	Zircon Europe (d) (\$A-metric ton)
	20	21	22	23	24
1972-73	(e)27.93	14.00-19.15	(f)9.35-11.32	(f)64.00-87.00	(f)26.82-38.00
1973-74	42.43	15.70-45.50	(f)9.35-11.32	(g)127.00-240.00	(g)45.00-200.00
1974-75	48.58	37.00-50.25	13.00-18.00	200.00-330.00	170.00-330.00
1975-76 -					
Highest	51.66	60.25	18.00	330.00	330.00
Lowest	44.03	36.75	15.00	290.00	140.00
1974-75 -					
February	49.52	42.00-42.50	15.00-18.00	290.00-330.00	290.00-330.00
March	47.13	42.00-43.50	15.00-18.00	290.00-330.00	290.00-330.00
April	46.58	39.00-41.50	15.00-18.00	290.00-330.00	290.00-330.00
May	46.37	42.50-43.50	15.00-18.00	290.00-330.00	290.00-330.00
June	46.08	40.00-42.00	15.00-18.00	290.00-330.00	290.00-330.00
1975-76					
July	45.38	36.75-38.75	15.00-18.00	290.00-330.00	290.00-330.00
August	46.71	41.99-43.00	15.00-18.00	290.00-330.00	200.00-240.00
September	45.87	41.50-43.50	15.00-18.00	290.00-330.00	200.00-240.00
October	44.28	39.50-42.00	15.00-18.00	290.00-330.00	200.00-240.00
November	44.11	42.00-43.50	15.00-18.00	290.00-330.00	140.00-160.00
December	44.03	42.00-44.00	15.00-18.00	290.00-330.00	140.00-160.00
January	44.24	44.00-45.65	15.00-18.00	290.00-330.00	140.00-160.00
February	46.40	45.00-46.25	15.00-18.00	290.00-330.00	140.00-160.00
March	50.30	51.00-53.00	15.00-18.00	290.00-330.00	140.00-160.00
April	51.66	58.50-60.25	15.00-18.00	290.00-330.00	140.00-160.00

(a) The numerals shown at the head of each column are reference numbers which relate to the detailed price specifications set out in Appendix C. (b) See paragraph 4, page 2. (c) Monthly prices are averages of daily prices throughout the month. (d) Prior to July 1975, monthly prices were the ranges quoted on the first trading day of the month. From July 1975, monthly prices are the ranges quoted in the last trading of the month. Annual prices are a range of the lowest and highest prices derived from these monthly prices. (e) \$A per long ton unit. (f) £ Stg per metric ton. (g) Relates to the period after August 1973. Note: No Australian prices have been quoted for Ilmenite, Rutile and Zircon since July 1974.

TABLE 9. - PRICE INDEX OF METALLIC MATERIALS USED IN THE MANUFACTURE OF FABRICATED METAL PRODUCTS
GROUP AND ALL GROUPS INDEX NUMBERS (a)
(Base: Year 1968-69 = 100.0) (b)

Period	Iron and steel 83.2% (c)	Aluminium 8.9% (c)	Copper and brass 5.7% (c)	Other metallic materials 2.2% (c)	All groups
1972-73	122.6	109.2	106.6	98.7	120.0
1973-74	131.7	118.2	138.1	151.3	131.3
1974-75p	161.1	141.9	131.1	192.4	158.4
1974-75 -					
February	168.5	148.0	123.6	197.8	164.7
March	170.9	148.0	127.1	197.6	167.0
April	172.0	147.4	129.8	187.2	167.8
May	172.0	147.4	127.3	204.2	168.0
June	172.1	147.2	127.3	201.5	168.0
1975-76 -					
July	172.9	148.7	125.9	209.3	168.9
August	182.5	148.7	129.6	221.3	177.3
September	184.8	155.6	132.1	207.3	179.8
October	196.2	155.5	132.2	200.9	189.0
November	199.3	156.8	131.0	205.2	191.7
December	199.5	157.2	134.4	194.2	191.9
January	200.7	158.4	134.4	197.2	193.1
February	200.7	159.4	134.6	196.1	193.2
March	212.3	161.6	138.4	204.7	203.4
April	217.7	161.8	148.6	210.0	208.6

(a) See Appendix D for details on this index. (b) Figures are shown to one decimal place to avoid distortions that would occur in rounding off the index number to the nearest whole number. (c) Value weight (%) of group to all groups.

TABLE 10. - EXPORT PRICE INDEX, AUSTRALIA (a)
(Base: Year 1959-60 = 100)

Period	Metals and coal (b)	Gold	All groups (c)
1972-73	142	180	134
1973-74	196	289	160
1974-75	263	391	181
1974-75 -			
January	257	419	185
February	256	426	181
March	265	436	185
April	298	403	184
May	274	402	183
June	276	407	178
1975-76 -			
July	275	407	179
August	279	419	181
September	274	378	180
October	280	359	183
November	282	366	184
December	283	358	187
January	285	352	187
February	283	334	187
March	286	341	192

(a) See Appendix E for details on this index. (b) Comprises iron and steel, copper, zinc, lead, silver, and coal. (c) Includes in addition to the items of the previous series, the four items iron ore, bauxite, alumina, and mineral sands.

TABLE 11. - AUSTRALIAN GOVERNMENT PAYMENTS TO THE MINERAL INDUSTRY AND TO THE MANUFACTURING INDUSTRY FOR PRODUCTS OF MINERAL ORIGIN, AUSTRALIA
(\$'000)

Period	Petroleum exploration (a) (b)	Gold mining (b) (c)	Phosphate fertilizer production (d)
1972-73	8,084	295	56,568
1973-74	8,911	16	66,962
1974-75	5,858	(-)1(e)	29,493
1974-75 -			
January	126	..	4,801
February	287	..	550
March	603	..	199
April	1,216	..	..
May	443	..	..
June	272	..	..
1975-76 -			
July	..	..	..
August	..	..	..
September	..	..	..
October	..	..	..
November	..	..	..
December	..	..	..
January	..	..	..
February	..	..	..
March	..	..	..

(a) Petroleum Search Subsidy Act 1959-1973. (b) Includes Papua New Guinea. (c) The Gold Mining Industry Assistance Act 1954-1972 expired on 30 June 1975. (d) The Phosphate Fertilisers Bounty Act 1963-71 expired on 31 December 1974; payments ceased in March 1975. (e) Repayment of excess of subsidy advance over subsidy entitlement.

TABLE 12. - SUPPLIES AND DISPOSALS OF GOLD BULLION

Period	Supplies			Disposals			Apparent change in stocks held in Australia (c)	Gold specie - net surplus of imports
	Refinery production (a)	Imports (b)	Total	Exports	Net industrial consumption	Total		
	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams	'000 grams	\$A
1972-73	15,373	3,251	18,624	10,136	7,576	17,712	912	42,692
1973-74	11,952	2,704	14,656	4,344	10,854	15,198	-542	78,965
1974-75	11,630	2,833	14,463	2,940	8,501	11,441	3,022	2,038,342
July-Jan.								
1974-75	6,807	1,548	8,355	2,407	5,578	7,985	370	1,144,775
1975-76	8,249	1,765	10,014	1,628	5,472	7,100	2,914	1,892,675
1974-75 -								
October	880	263	1,143	342	1,812	2,154	-1,011	318,517
November	968	277	1,245	100	672	772	473	754,001
December	898	242	1,140	..	643	643	497	216,087
January	941	241	1,182	274	1,170	1,444	-262	143,959
February	750	182	932	200	874	1,074	-142	180,512
March	1,277	280	1,557	6	147	153	1,404	139,649
April	856	340	1,196	311	653	964	232	102,518
May	829	247	1,076	..	697	697	379	219,911
June	1,111	236	1,347	16	552	568	779	250,977
1975-76 -								
July	1,031	200	1,231	498	350	848	383	-105,936
August	1,097	314	1,411	605	463	1,068	343	273,186
September	1,520	219	1,739	28	1,139	1,167	572	569,303
October	1,060	293	1,353	262	827	1,089	264	425,245
November	991	220	1,211	3	1,013	1,016	195	315,724
December	1,388	110	1,498	4	692	696	802	373,424
January	1,162	410	1,572	228	988	1,216	356	41,729

(a) Refinery production from newly-won gold of Australian origin and scrap of domestic and overseas origin. (b) Includes gold content of gold bullion imported for refining in Australia. (c) Apparent changes in stocks calculated as the difference between supplies and disposals; includes changes in holdings in Australia by official and banking institutions both on their own behalf and that of non-residents.

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APPENDIX A
AUSTRALIAN EXPORT COMMODITY CLASSIFICATION (A.E.C.C.) 1975-76
ITEMS INCLUDED IN TABLES 3, 4 and 6

Commodity	Statistical item	Description
Non-ferrous -		
Copper -		
Concentrate	283.11.00	Ores and concentrates of copper
Blister	682.11.09	Black, blister, rough or standard copper
Refined	682.12.01	Refined copper
	284.00.23	Copper-lead dross and speiss
Matte, slags, etc.	284.00.24	Copper slags and residues
	283.12.00	Copper matte (including copper-lead matte)
Lead -		
Concentrate	283.40.00	Ores and concentrates of lead
Bullion	685.10.11	Bullion (lead and silver-lead)
Refined	685.10.19	Unworked n.e.i.
Slags and residues	284.00.25	Lead slags and residues
Zinc -		
Concentrate	283.50.00	Ores and concentrates of zinc
Refined	686.10.00	Unworked zinc and zinc alloys
Slags and residues	284.00.27	Zinc slags and residues
Tin -		
Concentrate	283.60.00	Ores and concentrates of tin
Refined	687.10.01	Refined tin
Nickel -		
Concentrate	283.21.00	Ores and concentrates of nickel
Aluminium -		
Alumina	513.65.01	Alumina
Refined	684.10.00	Unworked aluminium and aluminium alloys
Ferrous and alloy -		
Iron ore -		
Pellets	281.30.01	Pellets
Fines	281.30.05	Fines
Lump	281.30.09	Other (including lump and run-of-mine)
Tungsten -		
Scheelite concentrate	283.92.09	Scheelite
Wolfram concentrate	283.92.01	Wolfram
Pig iron	671.10.00	Spiegeleisen
	671.20.00	Pig iron and cast iron
	672.40.01	Ingot, blocks, lumps and similar forms of iron or steel
	672.40.09	Other
Steel ingots, blooms	672.51.00	Blooms, billets, slabs, sheet bars and roughly forged pieces (except of high carbon or alloy steel)
	672.54.00	Blooms, billets, slabs, sheet bars and roughly forged pieces of high carbon or alloy steel
Mineral sands -		
Ilmenite concentrate	283.93.13	In bulk
	283.93.15	In bags, drums and similar containers
Rutile concentrate	283.93.02	In bulk
	283.93.03	In bags, drums and similar containers
Zircon concentrate	283.93.19	In bulk - Premium grade
	283.93.21	In bulk - Standard grade
	283.93.22	In bags, drums and similar containers - Premium grade
	283.93.24	In bags, drums and similar containers - Standard grade
Precious -		
Gold, refined	991.00.03	Mint bullion (i.e. in the form accepted in inter-bank transactions)
	991.00.08	Refined bullion (except mint bullion)
Silver, refined	681.10.01	Mint bullion (i.e. in the form accepted in inter-bank transactions)
	681.10.09	Other
Coal, black	321.40.00	Coal (anthracite, bituminous and sub-bituminous)
Crude oil	331.01.00	Crude petroleum
	331.02.00	Petroleum, partly refined (including topped crudes and enriched crudes)

APPENDIX B
AUSTRALIAN IMPORT COMMODITY CLASSIFICATION (A.L.C.C.) 1975-76
INCLUDED IN TABLE 5

Commodity	Statistical item	Description
Tin refined	687.10.01	Tin
Nickel, pigs, anodes, etc.	{ 683.10.01	Pellets; shot; granulated
	{ 683.10.02	Other
	{ 683.24.00	Electroplating anodes of nickel
Ferro-alloys	{ 671.40.09	Ferro-manganese
	{ 671.50.02	Ferro-chromium
	{ 671.50.03	Ferro-molybdenum
	{ 671.50.04	Ferro-nickel
	{ 671.50.05	Ferro-silicon
	{ 671.50.06	Ferro-silico-manganese
	{ 671.50.08	Other
Gold -		
Unrefined bullion	991.00.02	Unrefined bullion
	{ 991.00.03	Mint bullion (i.e. in the form accepted in inter-bank transactions)
Refined forms	{ 991.00.04	Refined bullion (except mint bullion)
Crude oil	{ 331.01.00	Crude petroleum
	{ 331.02.01	Topped crudes
	{ 331.02.02	Crude petroleum, enriched with a distillate from crude petroleum
	{ 331.02.09	Other oils for use as refinery feed-stock (including enriched residuals)
Asbestos	{ 276.40.01	Amosite
	{ 276.40.02	Chrysotile (white)
	{ 276.40.09	Other
Diamonds Industrial	{ 275.10.01	Uncut
	{ 275.10.09	Other
	{ 275.21.01	Diamond dust and powder
Gemstone	667.20.00	Gemstone diamonds
Phosphate rock	271.30.00	Natural phosphates, whether or not ground
Potassium fertilisers	{ 561.30.01	Potassium chloride
	{ 561.30.02	Potassium sulphate
	{ 561.30.09	Other
Sulphur	{ 274.10.01	In bulk
	{ 274.10.05	Bagged or other wise packed - Insoluble
	{ 274.10.07	Other

APPENDIX C
PRICES OF SELECTED METALS AND MINERALS (TABLES 7 AND 8)

Reference number	Particulars of Price Bases
1.	Refined electrolytic copper, Mount Isa Mines Copper Price
2.	Refined electrolytic copper wirebars, L.M.E. warehouse, mid-day cash price, average of buyers' and sellers' quotes, L.M.E.
3.	Refined soft pig lead, f.o.b./f.o.x. Port Pirie.
4.	Refined soft pig lead, L.M.E. warehouse, mid-day cash price, average of buyers' and sellers' quotes, L.M.E.
5.	Refined soft pig lead, ex-warehouse, mid-day New York.
6.	Zinc, g.o.b. grade, delivered buyers works capital cities.
7.	Zinc, g.o.b. grade, L.M.E. warehouse, mid-day cash price, average of buyers' and sellers' quotes, L.M.E.
8.	Zinc, g.o.b. grade, producers' basis price.
9.	Zinc, Prime Western, delivered.
10.	Refined tin, spot, minimum 2 tonne, ex smelter.
11.	Refined tin, L.M.E. warehouse, mid-day cash price, average of buyers' and sellers' quotes, L.M.E.
12.	Refined tin, ex-works, Penang.
13.	Refined nickel, f.o.b. Port Colbourne.
14.	Refined aluminium, 99.5% domestic, minimum 10 tonnes, c.i.f. capital cities.
15.	Refined aluminium, ingot 99.5% carload lots delivered.
16.	Australian gold sold on Australian and Overseas premium markets by the Gold Producers' Association. Prices relate to the month in which sales contracts are negotiated and do not necessarily relate to the month in which the gold is actually delivered and/or exported. The Reserve Bank official price is \$32.25 per fine ounce.
17.	Refined gold, spot, London open market.
18.	Refined silver, minimum lots of 320 kilograms, f.o.b. or f.o.x. Port Pirie.
19.	Refined silver, spot, London.
20.	Concentrates, per mtu of contained tin, 70% Sn grade, delivered Sydney.
21.	Concentrates, per mtu, wolfram, c.i.f. standard quality minimum 65% WO ₃
22.	Concentrates, minimum 54% TiO ₂ bulk, f.o.b. Australia.
23.	Concentrates, 95-97% TiO ₂ , bagged, f.o.b., f.i.d. (c.i.f. up to and including August 1973)
24.	Concentrates, 66-67% ZrO ₂ , standard grade, f.o.b., f.i.d. (c.i.f. up to and including August 1973)

Currency and quantity equivalents and abbreviations used in Appendix C

Unit	Equivalent to -		
\$ Mal l	March \$0.32	c.i.f.	cost, insurance, freight
£ Stg l	March \$1.55	f.i.d.	free into container depot
\$US l	March \$0.80	f.o.b.	free on board
f.o.z	31.1035g	f.o.x.	free on rail
lb	0.45359237 kg	g.o.b.	good ordinary brand
ltu	10.160469 kg	L.M.E.	London Metal Exchange
mtu	10 kg	ltu	long ton unit
picul	60.47898 kg	mtu	metric ton unit
metric ton	1 tonne		
ton	1.01605 tonne		
1 Stg new pence	d Stg. 2 4		

APPENDIX D

**NOTES CONCERNING PRICE INDEX OF METALLIC MATERIALS
USED IN THE MANUFACTURE OF FABRICATED METAL PRODUCTS
(TABLE 9)**

1. This index is a fixed weights index compiled on the reference base 1968-69 = 100.0 using the method known as the weighted arithmetic mean of price relatives.
2. Prices for each of the items relate to representative goods of fixed specification collected from a selection of representative sources. In each case these specifications are sufficiently detailed to ensure that the price changes incorporated in the indexes are measured, as far as possible, on the basis of constant quality.
3. The price series used are obtained monthly, by mail collection, from major Australian manufacturers of the relevant materials. Prices are in most cases collected as at the mid-point of each month.
4. The prices collected are, as far as possible, those normally charged to representative manufacturers for goods delivered into their stores.
5. The index comprises important metallic materials selected and combined in accordance with a weighting pattern which reflects values of materials used as reported in the 1968-69 Census of Manufacturing Establishments for establishments classified to the Fabricated Metal Products Sub-division of Manufacturing Industry (Australian Standard Industrial Classification Sub-division 31).

APPENDIX E

NOTES CONCERNING EXPORT PRICE INDEX (TABLE 10)

1. Figures from July 1969 have been compiled on an interim basis which incorporates a re-weighting (1969-70 basis) of the items contained in the previous series and the inclusion of some additional items. The interim series have been linked to the previous series at June 1969. A comprehensive review and re-basing of the index is being undertaken.
2. The base of each index is : Year 1959-60 = 100.
3. The "All groups" index includes wool, meats, dairy produce, cereals, dried and canned fruits, sugar, hides and tallow, metals and coal, gold, and (from July 1969) iron ore, bauxite, alumina and mineral sands.
4. A detailed description of the index as constructed up to June 1969 is given in *Year Book* No. 58, 1972, pages 240-242. The interim series was introduced in the July 1970 issue of *Export Price Index* (Reference No. 9.2).

APPENDIX F

IMPERIAL : METRIC CONVERSION

Details of units and conversion factors used in compiling data for this bulletin.

Details of units and conversion factors used in Compiling and for this edition				
			Conversion factors	
	Imperial Unit	Metric Unit	Imperial to metric: multiply imperial by	Metric to imperial: multiply metric by
Area				
	Square yard (sq.yd)	square metre (sq.m.)	0.83612736*	1.19599
Mass				
	Troy (fine ounce) (f.oz.)	gram (g)	31.1035	0.0321507
	long ton unit (ltu)	metric ton unit (mtu) (10 kg)	1.01605	0.984207
	short ton (sh.ton)	tonne (t)	0.907185	1.10231
	ton (ton)	tonne (t)	1.01605	0.984207
Volume				
	Cubic foot (cu.ft)	cubic metre (cu.m)	0.0283168	35.3147
Volume (fluids)				
	Gallon (gal.)	litre (l)	4.54609*	0.219969
	barrel (bl.)	litre (l)	158.987	0.00628981
	barrel (bl)	cubic metre (cu.m) (1,000 litres)	0.158987	6.28981

* exact conversion.