

**MINERALS AND
MINERAL PRODUCTS
AUSTRALIA
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MINERALS AND MINERAL PRODUCTS, AUSTRALIA DECEMBER 1979

INQUIRIES

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EXPLANATORY NOTES

Introduction

This publication contains statistics relating to principal minerals and mineral products produced in Australia.

In order to achieve early release for the majority of the statistics, this publication is produced 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 publication title refers.

Sources of data

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

Bureau of Mineral Resources (BMR)
Department of National Development and Energy
State Mines Departments.

The annual statistics shown in this table have been obtained by adding together the published monthly or quarterly figures. In some cases, there will be small discrepancies between these figures, and those published in the publication *Mineral Production* (8405.0). The figures in *Mineral Production* are derived from the annual mining census which is conducted by the Australian Bureau of Statistics (ABS) in collaboration with State Mines Departments. The census figures should be considered the more accurate.

4. Table 2. Production of principal manufactured products of mineral origin:

Statistics of non-ferrous metal production, refined gold and refined silver are collected by the BMR.
Other data in this table are collected by the ABS.

Seasonal adjustment

5. This publication includes seasonally adjusted production statistics for black coal. Details of the methods used in seasonally adjusting this and other series are given in *Seasonally Adjusted Indicators* (1308.0).

Related publications

6. The following is a list of publications containing other mining and related statistics for Australia, published by the ABS, the BMR or by the ABS in conjunction with the BMR. Users are also referred to the annual reports of the State Mines Departments, which contain mineral statistics.

Commodity statistics

Monthly

Exports of Major Commodities by Country (5403.0)

(a)

Overseas Trade Statistics : Part 1 - Exports (5404.0) (a)

Overseas Trade Statistics : Part 2 - Imports (5406.0) (a)

Export Price Index (6405.0) (a)

Price Index of Metallic Materials (6410.0) (a)

Monthly Bulletin of Metal and Mineral Prices (a)(b)

Manufacturing Production Bulletins Nos 1-8 (*Commodity Statistics*) (8357.0 to 8364.0) (a)

Quarterly

Australian Mineral Industry Quarterly Review and Statistics (8403.0) (b)

Quarterly Bulletin of Mineral Sands Statistics (a)(b)

Quarterly Bulletin of Copper, Lead and Zinc Statistics (a)(b)

Quarterly Bulletin of Tin Statistics (a)(b)

Annual

Mineral Production (8405.0) (a)

Manufacturing Commodities : Selected Principal Articles Produced (Preliminary) (8365.0) (a)

Manufacturing Commodities : Principal Articles Produced (8303.0)

Overseas Trade (5409.0)

Overseas Trade (Preliminary) : Part 1 - Exports (5407.0) (a)

Overseas Trade (Preliminary) : Part 2 - Imports (5408.0) (a)

Industry and related statistics

Quarterly

Mineral Exploration (other than for petroleum) by Principal Enterprises (8408.0) (a)
Petroleum Exploration (8409.0) (a)

Annual

Census of Mining Establishments : Summary of Operations by Industry Class (8401.0) (a)
Census of Mining Establishments : Details of Operations by Industry Class (8402.0)
Census of Manufacturing Establishments : Details of Operations by Industry Class (8203.0)
Census of Manufacturing Establishments : Summary of Operations by Industry Class (8202.0) (a)
Australian Mineral Industry Annual Review (b)

Irregular

Census of Mining Establishments : Selected Items of

(a) Available free of charge. (b) Published by the BMR, Canberra.

Data Classified by Employment Size and Industry Class (8410.0) (a)

Foreign Ownership and Control of the Mining Industry (5317.0) (a)

Foreign Control in Mineral Exploration (5323.0) (a)

7. All current publications produced by the ABS are listed in the *Catalogue of Publications* (1101.0) which is available free of charge from any ABS office.

Symbols and other usages

n.y.a. not yet available
 r figure or series revised since previous issue
 .. not applicable
 — nil or rounded to zero

8. Where figures have been rounded, discrepancies may occur between sums of the component items and totals.

R. J. CAMERON
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TABLE 1. MINE PRODUCTION OF PRINCIPAL MINERALS

Period	Copper (a)	Lead (a)	Zinc (a)	Gold (a)(b)	Silver (a)	Bauxite	Iron ore and concentrate (c)	Manganese ore	Nickel (a)	Tungsten (WO ₃)
	tonnes	tonnes	tonnes	kg	kg	'000 tonnes	'000 tonnes	'000 tonnes	tonnes	tonnes
1976-77	211,215	416,291	475,488	15,305	823,866	24,861	95,602	1,765	82,088	2,850
1977-78	221,077	414,991	482,469	21,323	775,779	24,826	90,261	1,353	87,144	3,081
1978-79	231,612	418,668	483,370	19,353	838,722	25,649	84,181	1,574	72,186	3,576
July-Dec.										
1978-79	112,870	214,251	247,605	10,190	414,317	12,566	43,712	773	39,418	1,667
1979-80	114,873	208,670	276,659	n.y.a.	390,370	14,499	n.y.a.	865	38,347	2,087
1978-79 -										
November	17,915	40,692	45,206	1,420	74,729	6,737	22,020	364	18,785	813
December	16,885	25,451	30,092	1,425	58,729					
January	17,342	25,682	27,088	1,315	57,496					
February	16,935	34,448	35,399	1,803	72,281	6,602	22,214	490	18,411	857
March	22,696	37,008	41,151	1,364	76,568					
April	21,574	32,108	36,532	1,132	66,458					
May	21,467	40,664	51,919	2,175	80,899	6,481	18,255	311	14,357	1,052
June	18,728	34,507	43,676	1,374	70,703					
1979-80 -										
July	23,922	36,495	44,681	1,613	r66,187					
August	19,780	39,351	52,442	1,637	r66,619	7,064	24,667	287	20,074	1,041
September	17,624	33,468	43,253	1,191	r60,576					
October	19,029	38,417	52,535	1,728	r75,143					
November	17,902	32,880	45,114	r1,598	r65,159	7,435	n.y.a.	578	18,273	1,046
December	16,616	28,059	38,634	n.y.a.	56,686					

Period	Mineral sands concentrates				Black coal			Petroleum		
	Tin (a)	Ilmenite (d)	Rutile	Zircon	Under-ground	Total	Seasonally adjusted	Brown coal	Crude oil	Natural gas
	tonnes	tonnes	tonnes	tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 tonnes	'000 cu.m	million cu.m
1976-77	10,340	1,048,217	380,684	420,186	40,399	75,678	..	31,028	24,555	6,365
1977-78	11,364	1,153,407	279,732	373,926	42,242	78,919	..	30,504	25,323	6,953
1978-79	11,727	1,209,918	275,078	467,033	42,184	81,668	..	32,100	24,855	7,767
July-Dec.										
1978-79	5,789	648,699	135,042	227,200	21,833	41,392	..	16,659	12,496	3,901
1979-80	6,055	n.y.a.	n.y.a.	n.y.a.	21,752	42,866	..	17,156	13,011	4,516
1978-79 -										
November	993	112,431	23,744	37,346	4,161	8,437	7,309	2,492	2,092	581
December	887	101,239	23,317	37,388	2,901	4,996	6,315	2,470	2,157	546
January	836	90,899	20,502	36,961	2,192	4,565	6,285	2,318	2,128	523
February	775	98,643	23,510	38,662	3,617	7,242	7,045	2,212	1,874	532
March	878	109,584	25,182	39,590	3,915	7,464	7,174	2,446	1,967	606
April	1,096	77,761	20,108	39,822	2,619	5,709	6,807	2,607	2,126	642
May	1,258	92,977	22,426	41,384	4,336	8,209	6,821	2,970	2,123	776
June	1,095	91,355	28,308	43,414	3,671	7,087	6,703	2,888	2,141	787
1979-80 -										
July	989	r75,928	r23,715	r33,656	3,668	6,513	6,190	3,179	2,306	855
August	1,066	r112,967	r26,638	r39,654	3,549	6,853	7,236	3,305	2,227	851
September	1,049	108,783	24,007	37,029	3,364	7,384	7,532	2,981	1,993	758
October	1,048	106,209	10,051	42,064	4,209	8,353	7,346	2,902	2,239	732
November	984	105,945	9,127	29,774	4,066	8,418	7,244	2,514	2,058	679
December	919	n.y.a.	n.y.a.	n.y.a.	2,895	5,344	n.y.a.	2,276	2,188	641

(a) Quantities shown are metallic contents of mine products based on chemical assay. (b) 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 months of May 1979 for the Northern Territory and March 1979 for Western Australia. (c) Includes iron ore for pelletising. (d) Includes ilmenite for beneficiating.

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

Period	Alumina	Refined aluminium	Blister copper (b)(c)	Refined copper	Lead bullion (b)(d)	Refined lead	Refined zinc	Refined tin
	'000 tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes	tonnes
1976-77	6,474	236,943	164,041	157,452	158,656	165,582	261,914	5,373
1977-78	6,741	259,592	167,947	155,353	155,641	207,939	262,615	5,993
1978-79	7,118	264,798	170,458	137,863	162,185	217,992	308,622	4,857
July-Dec.								
1978-79	3,508	133,614	82,977	71,113	76,805	107,894	159,031	2,344
1979-80	3,805	138,391	n.y.a.	n.y.a.	84,089	105,636	155,803	2,910
1978-79 -								
November	555	22,325	15,172	11,876	10,118	17,887	26,189	179
December	614	22,259	13,863	9,043	14,025	18,377	25,954	591
January	619	22,323	14,783	12,180	13,763	17,909	24,371	303
February	549	20,142	13,934	9,289	11,818	17,938	23,352	402
March	625	22,666	14,536	11,823	15,442	19,645	25,868	515
April	592	21,836	15,413	11,451	14,310	17,037	26,460	348
May	623	22,272	16,024	11,085	15,323	19,333	26,215	400
June	603	21,945	12,791	10,922	14,724	18,236	23,325	545
1979-80 -								
July	649	22,498	13,932	11,492	13,922	17,058	27,727	253
August	622	22,884	14,396	12,833	15,511	16,634	25,401	545
September	640	22,721	14,023	13,746	14,983	18,128	24,655	588
October	625	23,588	n.y.a.	n.y.a.	14,036	18,175	26,742	438
November	600	23,067	n.y.a.	n.y.a.	12,434	15,732	26,914	479
December	668	23,633	n.y.a.	n.y.a.	13,203	19,909	24,364	607

Period	Iron ore pellets	Brown and briquettes	Refined gold				Refined silver
			Australian origin		Overseas origin		
			Newly won	From scrap	Newly won	From scrap	
	'000 tonnes	'000 tonnes	kg	kg	kg	kg	kg
1976-77	9,761	1,035	11,127	1,667	2,481	171	253,268
1977-78	9,298	1,064	17,869	2,504	1,706	28	259,217
1978-79	10,096	1,131	15,563	3,611	1,392	21	302,032
July-Dec.							
1978-79	5,253	609	8,324	1,947	665	16	152,006
1979-80	4,559	634	7,748	2,546	889	27	n.y.a.
1978-79 -							
November	1,024	66	912	404	101	-	23,387
December	1,066	86	1,202	291	90	-	19,220
January	856	69	1,481	138	114	-	17,893
February	698	76	1,223	400	110	-	24,420
March	830	89	1,534	416	203	4	30,290
April	924	81	908	179	97	-	24,673
May	806	110	841	229	88	1	24,709
June	730	98	1,252	302	115	-	28,041
1979-80 -							
July	674	96	1,281	342	121	9	22,380
August	813	112	1,858	478	114	3	28,296
September	759	116	839	411	118	7	22,927
October	834	120	1,588	432	93	5	n.y.a.
November	586	121	1,379	457	74	3	n.y.a.
December	893	69	803	426	369	-	n.y.a.

(a) Except for refined gold from scrap, excludes secondary metal. (b) Metallic content. (c) Includes copper anodes (d) Lead bullion for export.