



MINING ESTABLISHMENTS

DETAILS OF OPERATIONS

1974 - 75

**AUSTRALIAN
BUREAU OF
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MINING ESTABLISHMENTS : DETAILS OF OPERATIONS, 1974-75

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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

General

This bulletin contains detailed statistics of Australian mining establishments for the year ended June 1975 with some comparative statistics relating to 1970-71, 1971-72, 1972-73 and 1973-74. Bulletins in this series are confined to statistics such as turnover, purchases and selected expenses, wages and salaries, employment and capital expenditure and exclude details of minerals produced. The latter statistics are contained in the series *Mineral Production* (Reference No. 10.51).

2. The period covered by the annual mining census and the annual mineral production collection is in general the twelve months ended 30 June. Where businesses find it impossible to supply information on this basis a substitute accounting period is used. These cases, however, are relatively few and their inclusion is not thought to have any significant effect on the year under review or from year to year.

3. Commencing with the year ended June 1969, the annual mining census has been conducted on an integrated basis with the annual census of manufacturing, the electricity and gas censuses, and with the periodic retail and wholesale trade censuses and is thus on a different basis to those of earlier years.

Census units

4. In accordance with the Australian Standard Industrial Classification (ASIC) the basic census unit (referred to as the "establishment") in respect of which statistics are collected in various industry censuses is, in general, a unit covering all the operations carried on under the ownership of one enterprise (business) at a single physical location. For mining censuses a mining establishment is thus one predominantly engaged in mining activities, but the data collected for it cover (subject to certain exceptions mentioned below) all activities at the location, namely:

- (a) the mining activities primary to the industry class to which the establishment is classified,
- (b) any other mining activities, i.e. production of commodities primary to another mining industry class,
- (c) any activities connected with the selling and distribution of the minerals produced,
- (d) any non-mining activities e.g. manufacturing, construction.

The exceptions, in general, relate to locations where the subsidiary activities (in terms of gross value) exceed \$1 million, which are treated for statistical purposes as two or more establishments corresponding to the various kinds of activity carried on.

5. The establishment statistics also include data relating to separately located administrative offices and ancillary units serving the establishment and forming part of the enterprise which owns and operates the establishment. Examples of such units are head offices, laboratories, work shops etc.

Mining definition and classification

6. The structure of the ASIC comprises four levels. The broadest of these is the Division level, which relates to wide categories such as "Manufacturing" and "Mining". The structure may be illustrated by the following example. A mining establishment mainly engaged in mining iron ore would be classified to:

Division B	mining
Sub-division 11	metallic minerals
Group 110	metallic minerals
Class 1104	iron ore

The tables in this bulletin are at ASIC class level except for Table 10, which contains summary data at ASIC Sub-division level for each State or Territory. In the mining sector, sub-divisions and groups of the ASIC are identical.

7. The ASIC defines "mining" as including the extraction of minerals occurring naturally as solids such as coal and ores, liquids such as crude petroleum, or gases such as natural gas, by such processes as underground mining, open-cut extraction methods, quarrying, operation of wells or evaporation pans, dredging or recovering from ore dumps or tailings. Establishments mainly engaged in dressing or beneficiating ores or other minerals by crushing, milling, screening, washing, flotation or other, including chemical beneficiation, processes, or mainly engaged in briquetting are included because they are generally carried out at or near mine sites as an integral part of mining operations. Natural gas absorption and purifying plants are also included. Excluded are establishments mainly engaged in refining or smelting of minerals or ores (other than preliminary smelting of gold), or in the manufacture of such products of mineral origin as coke, cement, fertilisers, iron ore pellets or metallised iron agglomerates.

Scope and Coverage

8. Statistics in this bulletin relate to all establishments classified to the mining division of ASIC, (Division B) except for those in ASIC classes 1601 (petroleum exploration and other services to petroleum mining) and 1602 (mineral exploration and services to mining n.e.c.).

9. Also excluded from the collection are itinerant and part-time miners, particularly in the gemstone industry. This deficiency in coverage exists because production is usually on such a small scale that it would be difficult to establish lists of producers and obtain

statistical returns. In addition, some mining establishments are excluded on account of their small size. Details of these are referred to in footnote (c) of Tables 1 and 10.

Definitions of data items

10. The information shown for the various items defined below relates to establishments which operated at any time during the year unless otherwise stated.

Number of establishments. The number of establishments in operation at end of June. These relate to mining establishments as such and do not include the number of separately located administrative offices and ancillary units.

Persons employed. Working proprietors at end of June and employees on the payroll of the last pay period in June, including those working at separately located administrative offices and ancillary units. Persons employed in each State (and their wages and salaries) relate to those employed at establishments, administrative offices or ancillary units located in that State, even though the administrative offices or ancillary units may have served establishments located in another State.

Wages and salaries. The wages and salaries of all employees of the establishment, including those working at separately located administrative offices and ancillary units. Drawings of working proprietors are not included.

Turnover. (See also Note (a) on this page). Sales of minerals and other goods whether produced by the establishment or not, plus transfers out of minerals and other goods to other establishments of the same enterprise, plus bounties and subsidies on production, plus all other operating revenue from outside the enterprise (such as commission, repair and service revenue) plus capital work done for own use, or for rental or lease. Receipts from rents, leasing, interest (other than hire purchase), royalties and the sale of fixed tangible assets are excluded.

Stocks - opening and closing. Stocks of materials, fuels, mine products and work-in-progress, of the establishment whether located at the establishment or elsewhere.

Purchases, transfers in and selected expenses. (See also Note (a) on this page). Purchase of electricity, fuels, stores and other materials, plus transfers in of goods from other establishments of the same enterprise, plus charges for processing and other commission work and payments to mining contractors, repair and maintenance expenses, outward freight and cartage, motor vehicle running expenses and sales commission payments.

Value added. (See also Note (b) on this page). Turnover plus increase (or less decrease) in the value of stocks, less purchases, transfers in and selected expenses.

Rent and leasing expenditure. Outlay on rent and leasing of buildings, vehicles, machinery, plant and equipment.

Fixed capital expenditure. Outlay on new and second-hand fixed tangible assets less disposals. Includes fixed capital expenditure on mining establishments not yet in operation.

Establishments classified by size. (Tables 11-15). Whereas statistics in other tables in this bulletin relate to all mining establishments (including separately located administrative offices and ancillary units serving those establishments) which operated during the whole or any part of the year ended June 1975, the statistics in these tables relate only to those mining establishments (exclusive of any separately located administrative offices or ancillary units serving them) which were operating at the end of June 1975. The employment size categories in the tables refer to average number of persons (including working proprietors) employed in an establishment during its period of operation (whether whole or part year).

Note (a) *Transfers* to and from other establishments of the enterprise referred to in the definition of *Turnover* and *Purchases, transfers in and selected expenses* are valued, for statistical purposes, at prices commensurate with the prices which would have been received or paid if the establishments concerned had been under separate ownership, i.e. at commercial selling price.

Note (b) While *value added* is the basic measure of an industry's contribution to total production it must not be inferred that when wages and salaries are deducted from value added, the whole surplus is available for profit. There are many miscellaneous expenses such as royalties, leasehold payments, depreciation, workers' compensation insurance, other insurance, pay-roll tax, income tax, rates, advertising, interest on borrowed funds, bad debts and other sundry charges which are not taken into account in arriving at value added. Value added as calculated in this bulletin differs from the concept used in the National Accounts where the concept of value added also excludes some administrative expenses and sundry charges, and the change in stocks component is measured by valuing the physical change in stocks at current prices. It is not practicable in

these censuses to collect data fully in accord with the National Accounts concept of value added.

Rounding

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

Symbols and other usages

12. For convenience the following symbols are

used in this bulletin:

. . - nil or less than half the final digit shown

ASIC - Australian Standard Industrial Classification

n.e.c. - not elsewhere classified

n.a. - not available separately for publication.

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>Minerals and Mineral Products</i> (Reference No. 10.19) (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) <i>Production Statistics</i> (Reference No. 12.14) (Manufacturing Commodities) (a)
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. Exploration 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>Mineral Exploration</i> (Reference No. 10.41) (a)

C. Industry and related statistics

Annual	<i>Mining Establishments: Summary of Operations (Preliminary)</i> (Reference No. 10.72) (a) <i>Manufacturing Establishments: Details of Operations</i> (Reference No. 12.29) <i>Foreign Ownership and Control of the Mining Industry</i> (Reference No. 10.42) (a)
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D. General information and statistics

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

TABLE 1. - MINING ESTABLISHMENTS - SUMMARY OF OPERATIONS BY INDUSTRY CLASS, AUSTRALIA, 1974-75

ASIC code	Industry class Description	Number of establishments operating at end of June	Persons employed at end of June (a)			Wages and salaries (b)	Turnover	Stocks at 30 June		Purchases, transfers in and selected expenses	Value added	Rent and leasing expenses	Fixed capital expenditure (outlay on fixed tangible assets less disposals)
			Males	Females	Persons			1974	1975				
		No.	No.	No.	No.	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000	\$'000
Metallic minerals -													
1101	Bauxite	5	1,552	144	1,696	17,078	n.a.	3,708	12,950	n.a.	125,688	542	16,232
1102	Copper (incl. copper-gold)	(c)32	6,416	395	6,811	72,360	201,679	22,931	29,166	78,963	128,951	145	44,103
1103	Gold	45	2,132	54	2,186	15,379	48,469	4,707	6,737	11,758	38,741	140	12,332
1104	Iron ore	24	6,750	918	7,668	78,557	719,831	43,916	62,086	309,909	428,092	1,617	46,174
1105	Mineral sands	24	3,111	231	3,342	27,450	144,013	19,824	28,670	44,453	108,407	1,955	43,800
1106	Nickel	8				- not available separately for publication; included in totals -							
1107	Silver-lead-zinc	11	6,577	281	6,858	69,787	305,938	43,059	45,505	70,591	237,793	276	21,536
1108	Tin	(c)50	1,522	85	1,607	12,552	63,254	7,333	6,601	24,695	37,828	476	9,600
1109	Metallic minerals n.e.c.	9				- not available separately for publication; included in totals -							
11	Total metallic minerals	208	32,570	2,502	35,072	336,220	1,811,929	139,578	212,586	630,049	1,234,887	6,538	274,993
Coal and Crude petroleum (incl. natural gas) -													
1201	Black coal	127	21,361	359	21,720	232,403	1,047,485	42,516	71,412	342,778	733,602	3,553	104,109
1202	Brown coal	5											
1300	Crude petroleum (incl. natural gas)	9	2,832	124	2,956	32,787	526,604	14,783	18,917	57,741	472,997	1,958	82,863
Construction materials -													
1401	Sand and gravel	(c)320	1,717	154	1,871	14,175	83,361	2,384	4,215	33,265	51,925	2,396	5,927
1402	Crushed and broken stone	317	4,166	348	4,514	38,031	153,051	12,603	18,395	62,747	96,095	5,627	13,142
1403	Dimension stone and other construction materials n.e.c.	60	167	10	177	774	2,153	387	422	822	1,366	34	98
14	Total construction materials	697	6,050	512	6,562	52,980	238,565	15,374	23,031	96,834	149,389	8,057	19,177
Other non-metallic minerals -													
1501	Limestone	52	738	11	749	6,164	26,184	1,308	1,856	12,508	14,224	360	1,562
1502	Clays	90	260	22	282	1,656	11,137	1,163	1,557	6,139	5,392	290	340
1503	Non-metallic minerals n.e.c.	(c)127	1,636	145	1,781	14,394	55,727	7,568	11,074	28,653	30,579	2,365	13,130
15	Total other non-metallic minerals	269	2,634	178	2,812	22,214	93,047	10,039	14,487	47,300	50,195	3,015	15,032
Total Mining													
1974-75		(c)1,315	65,447	3,675	69,122	676,604	3,717,629	242,290	340,432	1,174,702	2,641,069	23,121	496,174
(excl. services to mining)		(c)1,315	61,006	3,050	64,056	481,006	2,798,062	216,389	242,586	828,164	1,996,096	18,682	338,573
1972-73		(c)1,330	60,140	2,920	63,060	402,894	2,265,129	210,951	211,775	668,651	1,597,301	15,837	322,930
1971-72		(c)1,410	60,222	2,957	63,179	373,999	1,994,261	165,244	211,178	611,888	1,428,307	16,304	482,611
1970-71		1,512	59,815	2,826	62,642	325,178	1,814,918	142,298	157,365	540,490	1,289,495	14,568	520,575

(a) Includes working proprietors. (b) Excludes amounts drawn by working proprietors. (c) Excludes some very small, insignificant establishments. Other than 'Number of establishments'; these exclusions do not affect any figures by more than one percent.

TABLE 2. - MINING ESTABLISHMENTS - TYPE OF EMPLOYMENT (AT END OF JUNE) BY INDUSTRY CLASS, AUSTRALIA, 1974-75
(Number)

Industry class		Working proprietors			Administrative office, technical and mining service employees			Production and all other employees			Total employment			
											Males			
ASIC code	Description	Males	Females	Persons	Males	Females	Persons	Males	Females	Persons	Above ground	Below ground	Females	Persons
	Metallic minerals —													
1101	Bauxite	..	..	..	252	144	396	1,300	..	1,300	1,551	1	144	1,696
1102	Copper (incl. copper-gold)	22	1	23	1,407	352	1,759	4,987	42	5,029	4,252	2,164	395	6,811
1103	Gold	30	..	30	327	45	372	1,775	9	1,784	1,294	838	54	2,186
1104	Iron ore	2	..	2	2,637	829	3,466	4,111	89	4,200	6,748	2	918	7,668
1105	Mineral sands	..	..	..	692	214	906	2,419	17	2,436	3,111	..	231	3,342
1106	Nickel													
1 7	Silver-lead-zinc	5	..	5	1,326	281	1,607	5,246	..	5,246	2,938	3,639	281	6,858
1108	Tin	44	2	46	261	66	327	1,217	17	1,234	1,188	334	85	1,607
1109	Metallic minerals n.e.c.													
11	Total metallic minerals	104	3	107	7,988	2,262	10,250	24,478	237	24,715	24,167	8,403	2,502	35,072
	Coal and Crude petroleum (incl. natural gas) —													
1201	Black coal	..	..	..	2,385	308	2,693	18,976	51	19,027	9,364	11,997	359	21,720
1202	Brown coal													
1300	Crude petroleum (incl. natural gas)	..	..	..	865	116	981	1,967	8	1,975	2,83	..	124	2,956
	Construction materials —													
1401	Sand and gravel	141	25	166	264	100	364	1,312	29	1,341	1,717	..	154	1,871
1402	Crushed and broken stone	78	17	95	959	324	1,283	3,129	7	3,136	4,166	..	348	4,514
1403	Dimension stone and other construction materials n.e.c.	46	5	51	12	3	15	109	2	111	167	..	10	177
14	Total construction materials	265	47	312	1,235	427	1,662	4,550	38	4,588	6,050	..	512	6,562
	Other non-metallic minerals —													
1501	Limestone	14	1	15	86	10	96	638	..	638	738	..	11	749
1502	Clays	25	5	30	36	13	49	199	4	203	260	..	22	282
1503	Non-metallic minerals n.e.c.	65	4	69	258	90	348	1,313	51	1,364	1,636	..	145	1,781
15	Total other non-metallic minerals	104	10	114	380	113	493	2,150	55	2,205	2,634	..	178	2,812
	Total Mining	747	60	807	12,853	3,226	16,079	52,121	389	52,510	45,047	20,400	3,675	69,122
	(excl. services to mining)	467	60	527	11,912	2,591	14,503	48,627	399	49,026	40,540	20,466	3,050	64,056
	1973-74	541	46	587	11,894	2,619	14,513	47,705	255	47,960	39,225	20,915	2,920	63,060
	1971-72	586	47	633	11,676	2,604	14,280	47,960	306	48,266	39,253	20,969	2,957	63,179
	1970-71	686	55	741	10,643	2,525	13,168	48,487	246	48,733	38,216	21,600	2,826	62,642

TABLE 3. - MINING ESTABLISHMENTS - WAGES AND SALARIES PAID (a) BY INDUSTRY CLASS, AUSTRALIA, 1974-75
(\$'000)

ASIC code	Industry class Description	By type of employment		
		Paid to administrative office, technical and mining service employees	Paid to production and all other employees	Paid to all employees
	Metallic minerals -			
1101	Bauxite	3,833	13,245	17,078
1102	Copper (incl. copper-gold)	18,659	53,701	72,360
1103	Gold	3,245	12,133	15,379
1104	Iron ore	39,152	39,406	78,557
1105	Mineral sands	7,471	19,980	27,450
1106	Nickel	- not available separately for publication, included in totals -		
1107	Silver-lead-zinc	18,184	51,603	69,787
1108	Tin	2,548	10,003	12,552
1109	Metallic minerals n.e.c.	- not available separately for publication, included in totals -		
11	Total metallic minerals	105,278	230,942	336,220
	Coal and Crude petroleum (incl. natural gas) -			
1201	Black coal	29,651	202,752	232,403
1202	Brown coal	11,870	20,917	32,787
1300	Crude petroleum (incl. natural gas)			
	Construction materials -			
1401	Sand and gravel	3,233	10,942	14,175
1402	Crushed and broken stone	11,301	26,731	38,031
1403	Dimension stone and other construction materials	85	689	774
14	Total construction materials	14,618	38,362	52,980
	Other non-metallic minerals -			
1501	Limestone	892	5,273	6,164
1502	Clays	277	1,379	1,656
1503	Non-metallic minerals n.e.c.	3,573	10,821	14,394
15	Total other non-metallic minerals	4,742	17,473	22,214
Total Mining	1974-75	166,159	510,446	676,604
(excl. services to	1973-74	118,205	362,802	481,006
mining)	1972-73	99,943	302,951	402,894
	1971-72	91,735	282,265	373,999
	1970-71	79,244	242,934	322,178

(a) Excludes amounts drawn by working proprietors.

TABLE 4. — MINING ESTABLISHMENTS — COMPONENTS OF TURNOVER BY INDUSTRY CLASS, AUSTRALIA, 1974-75
(\$'000)

(\$ 000)

Industry class		Sales and transfers out: (a) of minerals and other goods			All other operating income (b)	Capital work done for own use (c)	Total turnover	
ASIC code	Description	Produced by this establishment	Not produced by this establishment	Total				
	Metallic minerals —							
1101	Bauxite		not available separately for publication; included in totals —					
1102	Copper (incl. copper-gold)	182,593	1,718	184,311	969	16,400	201,679	
1103	Gold	41,910	..	41,910	957	5,601	48,469	
1104	Iron ore	698,616	202	698,818	20,826	188	719,831	
1105	Mineral sands	138,919	3,084	142,003	367	1,643	144,013	
1106	Nickel		not available separately for publication; included in totals —					
1107	Silver-lead-zinc	290,487	8,269	298,726	160	7,052	305,938	
1108	Tin	50,694	11,345	62,039	151	1,064	63,254	
1109	Metallic minerals n.e.c.		not available separately for publication; included in totals —					
11	Total metallic minerals	1,697,670	42,463	1,740,133	25,198	46,597	1,811,929	
	Coal and Crude petroleum							
	(incl. natural gas) —							
1201	Black coal	1,007,237	29,880	1,037,117	8,036	2,331	1,047,485	
1202	Brown coal							
1300	Crude petroleum (incl. natural gas)	524,234	202	524,436	18	2,149	526,604	
	Construction materials —							
1401	Sand and gravel	79,841	2,434	82,275	1,019	68	83,361	
1402	Crushed and broken stone	147,505	3,210	150,715	2,179	156	153,051	
1403	Dimension stone and other construction materials n.e.c.	1,933	55	1,989	142	23	2,153	
14	Total construction materials	229,279	5,699	234,978	3,340	247	238,565	
	Other non-metallic minerals —							
1501	Limestone	25,983	6	25,989	19	176	26,184	
1502	Clays	10,270	188	10,458	678	..	11,137	
1503	Non-metallic minerals n.e.c.	54,496	537	55,033	502	191	55,727	
15	Total other non-metallic minerals	90,750	731	91,481	1,200	367	93,047	
	Total Mining	1974-75	3,549,171	78,975	3,628,146	37,792	51,691	3,717,629
	(excl. services to mining)	1973-74	2,673,299	53,109	2,726,407	31,550	40,104	2,798,062
		1972-73	2,185,983	22,277	2,208,261	26,755	30,113	2,265,129
		1971-72	1,910,298	26,067	1,936,365	20,384	37,512	1,994,261
		1970-71	1,742,609	23,090	1,765,699	19,521	29,697	1,814,918

(a) Transfers out to other establishments of the same enterprise. (b) Excludes rents, leasing revenue, interest (other than hire purchase interest), royalties, dividends and receipts from sale of fixed assets. Includes bounties and subsidies on production, imputed commission for work done or for sales carried out on behalf of other establishments of the same enterprise. (c) Or for rental or lease.

TABLE 5. - MINING ESTABLISHMENTS - TYPE OF STOCKS BY INDUSTRY CLASS, AUSTRALIA, 1974-75
(\$'000)

Industry class		Materials, fuels etc.		All other stocks (a)		Total stocks	
ASIC code	Description	At 30 June 1974	At 30 June 1975	At 30 June 1974	At 30 June 1975	At 30 June 1974	At 30 June 1975
1101	Metallic minerals - Bauxite	2,607	4,438	1,100	8,512	3,708	12,950
1102	Copper (incl. copper-gold)	9,579	14,085	13,352	15,081	22,931	29,166
1103	Gold	3,131	4,029	1,576	2,708	4,707	6,737
1104	Iron ore	35,731	45,791	8,184	16,294	43,916	62,086
1105	Mineral sands	2,527	3,706	17,297	24,963	19,824	28,670
1106	Nickel			- not available separately for publication; included in totals -			
1107	Silver-lead-zinc	5,533	8,287	37,527	37,218	43,059	45,705
1108	Tin	2,457	3,389	4,875	3,212	7,333	6,601
1109	Metallic minerals n.e.c.			- not available separately for publication; included in totals -			
11	Total metallic minerals	72,010	100,984	87,569	111,601	159,578	212,586
	Coal and Crude petroleum (incl. natural gas) -						
1201	Black coal	25,068	37,985	17,448	33,427	42,516	71,412
1202	Brown coal						
1300	Crude petroleum (incl. natural gas)	11,051	14,967	3,732	3,951	14,783	18,917
	Construction materials -						
1401	Sand and gravel	506	696	1,877	3,519	2,384	4,215
1402	Crushed and broken stone	3,049	3,298	9,554	15,097	12,603	18,395
1403	Dimension stone and other construction materials n.e.c.	78	38	309	384	387	422
14	Total construction materials	3,633	4,032	11,740	18,999	15,374	23,031
	Other non-metallic minerals -						
1501	Limestone	602	902	706	954	1,308	1,856
1502	Clays	212	279	950	1,278	1,163	1,557
1503	Non-metallic minerals n.e.c.	2,120	2,766	5,448	8,308	7,568	11,074
15	Total other non-metallic minerals	2,935	3,947	7,105	10,540	10,039	14,487
	Total Mining (excl. services to mining)	1974-75 114,696	161,914	127,594	178,518	242,290	340,432
		1973-74 99,852	114,752	116,537	127,833	216,389	242,586
		1972-73 98,056	100,311	112,895	111,464	210,951	211,775
		1971-72 85,075	99,823	80,169	111,355	165,244	211,178
		1970-71 61,791	75,121	80,507	82,244	142,298	157,365

(a) Includes work-in-progress and finished goods.

TABLE 6. - MINING ESTABLISHMENTS - PURCHASES, TRANSFERS IN AND SELECTED EXPENSES BY INDUSTRY CLASS, AUSTRALIA, 1974-75
(\$'000)

ASIC code	Industry class Description	Purchases and transfers in (a)			Charges for processing or other commission work and payments to mining contractors (c)	Repair and maintenance expenses	Outward freight and cartage, motor vehicle running expenses, sales commission payments (d)	Total purchases, transfers in and selected expenses
		Materials, electricity, fuels, etc (b)	Minerals and other goods for resale	Total purchases and transfers in				
	Metallic minerals -							
1101	Bauxite			- not available separately for publication; included in totals -				
1102	Copper (incl. copper-gold)	65,189	1,250	66,440	4,717	1,986	5,820	78,963
1103	Gold	9,063	-	9,063	1,894	237	564	11,758
1104	Iron ore	96,807	35	96,842	58,478	10,077	144,511	309,909
1105	Mineral sands	23,107	1,540	24,647	6,155	6,447	7,203	44,453
1106	Nickel			- not available separately for publication; included in totals -				
1107	Silver-lead-zinc	38,131	7,976	46,107	4,155	641	19,688	70,591
1108	Tin	9,163	10,721	19,885	2,656	1,210	944	24,695
1109	Metallic minerals n.e.c.			- not available separately for publication; included in totals -				
11	Total metallic minerals	292,590	39,451	332,041	80,766	24,971	192,271	630,049
	Coal and Crude petroleum (incl. natural gas) -							
1201	Black coal	129,462	26,853	156,315	17,503	47,078	121,882	342,778
1202	Brown coal							
1300	Crude petroleum (incl. natural gas)	40,868	125	40,993	4,556	4,003	8,188	57,741
	Construction materials -							
1401	Sand and gravel	7,848	2,057	9,906	2,261	6,546	14,552	33,265
1402	Crushed and broken stone	18,117	2,844	20,961	5,528	16,060	20,198	62,747
1403	Dimension stone and other construction materials n.e.c.	304	28	331	144	129	217	822
14	Total construction materials	26,269	4,929	31,198	7,933	22,735	34,967	96,834
	Other non-metallic minerals -							
1501	Limestone	2,944	3	2,947	1,992	2,737	4,832	12,508
1502	Clays	1,333	96	1,430	2,022	334	2,353	6,139
1503	Non-metallic minerals n.e.c.	10,221	392	10,613	3,877	3,439	10,725	28,653
15	Total other non-metallic minerals	14,498	491	14,989	7,891	6,510	17,910	47,300
	Total Mining	503,687	71,849	575,536	118,650	105,298	375,218	1,174,702
	(excl. services to mining)	351,320	52,287	403,607	81,781	69,988	272,789	828,164
	1972-73	298,017	18,857	316,874	63,444	55,840	232,493	668,651
	1971-72	294,509	21,353	315,862	46,465	47,032	202,529	611,888
	1970-71	248,301	20,407	268,708	43,914	45,412	182,457	540,490

(a) Transfers in from other establishments of the same enterprise. (b) Includes minerals for further processing. (c) Includes imputed commission charges for work done by other establishments of the same enterprise. (d) Includes imputed charges for freight carried out by other establishments of the same enterprise.

TABLE 7. - MINING ESTABLISHMENTS - USAGE (a) OF ELECTRICITY AND FUELS BY INDUSTRY CLASS, AUSTRALIA, 1974-75
(\$'000)

Industry class		Electricity	Petroleum fuels (non gaseous)	Other fuels	Total
ASIC code	Description				
Metallic minerals -					
1101	Bauxite	1,395	3,034	..	4,429
1102	Copper (incl. copper-gold)	9,449	2,502	240	12,192
1103	Gold	189	1,244	6	1,438
1104	Iron ore	8,085	3,208	1	11,294
1105	Mineral sands	4,455	2,499	366	7,321
1106	Nickel		- not available separately for publication; included in totals -		
1107	Silver-lead-zinc	7,068	394	248	7,711
1108	Tin	1,824	491	35	2,351
1109	Metallic minerals n.e.c.		- not available separately for publication; included in totals -		
11	Total metallic minerals	34,779	17,678	928	53,385
Coal and Crude petroleum (incl. natural gas) -					
1201	Black coal	21,584	3,980	25	25,589
1202	Brown coal				
1300	Crude petroleum (incl. natural gas)	4,316	414	536	5,265
Construction materials -					
1401	Sand and gravel	1,470	1,203	46	2,719
1402	Crushed and broken stone	2,499	2,542	22	5,063
1403	Dimension stone and other construction materials n.e.c.	26	63	4	93
14	Total construction materials	3,996	3,808	72	7,876
Other non-metallic minerals -					
1501	Limestone	450	413	25	888
1502	Clays	81	163	52	295
1503	Non-metallic minerals n.e.c.	713	1,756	19	2,488
15	Total other non-metallic minerals	1,244	2,332	95	3,671
Total Mining					
	1974-75	65,917	28,212	1,657	95,786
	(excl. services to mining) 1973-74	49,654	17,284	784	67,722
	1972-73	45,260	14,049	660	59,969
	1971-72	41,324	12,755	709	54,791
	1970-71	38,242	11,298	538	50,077

(a) Excludes electricity and fuels produced and used in own establishment.

TABLE 8. - MINING ESTABLISHMENTS - FIXED CAPITAL EXPENDITURE BY TYPE OF ASSET AND TRANSACTION, BY INDUSTRY CLASS, AUSTRALIA, 1974-75
(\$'000)

ASIC code	Industry class Description	Outlay on					Fixed capital expenditure (outlay on fixed tangible assets less disposals)					
		New fixed tangible assets					Disposals of fixed tangible assets	Land buildings and other structures	Mine develop- ment	Motor vehicles, plant and machinery	Total	
		Buildings and other structures	Mine develop- ment	Motor vehicles, plant and machinery	Total outlay on new fixed tangible assets	Land and second- hand fixed tangible assets						
	Metallic minerals -											
1101	Bauxite	7,710	1,302	8,971	17,984	210	1,961	8,431		7,801	16,232	
1102	Copper (incl. copper-gold)	8,328	12,597	23,342	44,267	370	534	20,662		23,441	44,103	
1103	Gold	881	5,910	4,022	10,813	1,694	175	7,479		4,852	12,332	
1104	Iron ore	12,593	3,112	31,320	47,024	103	953	15,543		30,631	46,174	
1105	Mineral sands	7,521	5,723	28,324	41,568	2,753	521	13,713		30,087	43,800	
1106	Nickel				not available separately for publication; included in totals -							
1107	Silver-lead-zinc	8,014	2,728	11,054	21,796	99	359	10,800		10,736	21,536	
1108	Tin	1,601	2,248	5,693	9,541	515	456	3,775		5,825	9,600	
1109	Metallic minerals n.e.c.				not available separately for publication; included in totals -							
11	Total metallic minerals	59,817	74,769	138,063	272,649	8,741	6,376	135,938		139,055	274,993	
	Coal and Crude petroleum (incl. natural gas) -											
1201	Black coal	19,771	18,425	66,055	104,251	5,621	5,763	41,714		62,395	104,109	
1202	Brown coal											
1300	Crude petroleum (incl. natural gas)	28,637	44,642	9,892	83,172	367	676	73,318		9,545	82,863	
	Construction materials -											
1401	Sand and gravel	450	106	3,751	4,307	2,482	852	1,283		4,653	5,937	
1402	Crushed and broken stone	1,049	298	11,972	13,318	1,621	1,797	2,163		10,979	13,142	
1403	Dimension stone and other construction materials n.e.c.	1	11	85	97	79	78	12		86	98	
14	Total construction materials	1,500	415	15,807	17,722	4,182	2,727	3,458		15,719	19,177	
	Other non-metallic minerals -											
1501	Limestone	147	43	1,431	1,621	119	177	270		1,293	1,562	
1502	Clays	13	100	157	270	70		152		188	340	
1503	Non-metallic minerals n.e.c.	2,528	6,394	5,642	14,564	336	1,770	9,071		4,059	13,130	
15	Total other non-metallic minerals	2,688	6,537	7,230	16,455	524	1,947	9,493		5,539	15,032	
	Total Mining (excl. services to mining)	1974-75 1973-74 1972-73 1971-72 1970-71	112,412 97,254 74,094 113,859 160,026	144,788 72,681 57,272 121,759 92,096	237,048 170,138 195,664 247,847 256,229	494,249 340,074 327,130 483,465 508,351	19,435 13,295 10,976 23,559 20,264	17,509 14,796 15,176 24,412 8,040	263,921 173,352 130,104 236,072 263,707	232,253 165,221 192,826 246,539 256,868	496,174 338,573 322,930 482,611 520,575	

TABLE 9. - MINERAL ROYALTIES (a) BY INDUSTRY CLASS, AUSTRALIA, 1974-75
(\$'000)

Industry class		Mineral royalties paid by mining establishments		
ASIC code	Description	To governments	To others	Total
Metallic minerals -				
1101	Bauxite	8,749	..	8,749
1102	Copper (incl. copper-gold)	6,399	..	6,399
1103	Gold	137	39	176
1104	Iron ore	36,356	10,728	47,084
1105	Mineral sands	2,813	1,453	4,266
1106	Nickel	- not available separately for publication; included in totals -		
1107	Silver-lead-zinc	32,602	..	32,602
1108	Tin	190	17	206
1109	Metallic minerals n.e.c.	- not available separately for publication; included in totals -		
11	Total metallic minerals	89,235	13,648	102,884
Coal and Crude petroleum (incl. natural gas) -				
1201	Black coal	21,556	1,403	22,959
1202	Brown coal	41,854	8,521	50,375
1300	Crude petroleum (incl. natural gas)			
Construction materials -				
1401	Sand and gravel	1,370	3,387	4,757
1402	Crushed and broken stone	368	2,645	3,013
1403	Dimension stone and other construction materials n.e.c.	9	22	31
14	Total construction materials	1,747	6,054	7,801
Other non-metallic minerals -				
1501	Limestone	487	132	619
1502	Clays	54	258	312
1503	Non-metallic minerals n.e.c.	487	238	725
15	Total other non-metallic minerals	1,028	628	1,656
Total Mining		155,420	30,253	185,674
(excl. services to mining)		98,998	24,503	123,500
1973-74		72,569	20,760	93,329
1972-73		67,093	16,748	83,841
1971-72		60,675	15,309	75,984
1970-71				

(a) As recorded in the Mining Census.

TABLE 10. - MINING ESTABLISHMENTS - SUMMARY OF OPERATIONS BY INDUSTRY SUB-DIVISION, STATES, 1974-75

ASIC code	Industry sub-division Description	No. of establishments operating at end of June (No.)	Persons employed, end of June (a)			Wages and salaries (b) (\$'000)	Turnover (\$'000)	Stocks		Purchases transfers in and selected expenses (\$'000)	Value added (\$'000)	Rent and leasing expenses (\$'000)	Fixed capital expenditure (outlay on fixed tangible assets less disposals) (\$'000)				
			Males (No.)	Females (No.)	Persons (No.)			Opening (\$'000)	Closing (\$'000)								
NEW SOUTH WALES																	
11	Metallic minerals	(c)59	6,176	219	6,395	59,779	247,082	36,102	44,828	69,784	186,024	1,819	18,335				
12	Coal	95	14,962	186	15,148	164,074	557,381	20,850	36,872	200,704	372,699	1,254	57,765				
13	Crude petroleum (incl. natural gas)																
14	Construction materials	(c)205	1,752	92	1,844	15,522	74,894	6,345	10,415	25,776	53,188	1,740	4,627				
15	Other non-metallic minerals	(c)130	1,004	64	1,068	7,613	31,179	2,172	3,166	17,101	15,072	724	2,155				
	Total Mining	1974-75	(c)489	23,894	561	24,455	246,988	910,536	65,469	95,281	313,366	626,983	5,538	82,882			
	(excl. services to mining)	1973-74	(c)498	22,582	579	23,161	171,521	591,702	69,512	65,653	203,280	384,563	5,232	41,975			
		1972-73	(c)532	22,843	576	23,419	149,950	499,187	66,654	69,973	180,214	322,291	3,365	41,566			
		1971-72	(c)572	24,192	662	24,854	147,098	483,654	46,391	64,444	181,356	320,351	3,689	76,963			
		1970-71	614	24,559	640	25,199	131,973	473,497	45,218	46,083	183,509	290,853	3,617	76,994			
VICTORIA																	
11	Metallic minerals	7	2,661	159	2,820	31,080	474,209	10,368	10,646	51,664	422,823	1,569	76,880				
12	Coal	5															
13	Crude petroleum (incl. natural gas)	2															
14	Construction materials	213	1,866	206	2,072	16,033	76,044	4,117	4,552	35,723	40,755	2,179	6,847				
15	Other non-metallic minerals	38	233	13	246	2,125	10,197	1,229	1,932	5,965	4,935	121	450				
	Total Mining	1974-75	265	4,760	378	5,138	49,238	560,449	15,714	17,131	93,352	468,513	3,869	84,177			
	(excl. services to mining)	1973-74	275	4,796	354	5,150	39,337	467,661	16,522	15,421	77,247	389,313	2,604	44,013			
		1972-73	261	5,132	394	5,526	33,154	377,783	16,387	15,888	60,666	316,619	1,832	25,920			
		1971-72	264	5,560	455	6,015	32,194	336,464	15,068	16,003	53,953	283,445	2,301	32,335			
		1970-71	276	5,189	394	5,583	27,518	270,659	13,505	13,268	52,470	217,953	2,622	80,389			
QUEENSLAND																	
11	Metallic minerals	(c)40	8,334	664	8,998	88,904	375,766	33,608	39,273	87,781	293,650	875	67,975				
12	Coal	27	5,252	105	5,357	58,385	466,423	21,017	33,559	135,155	343,810	2,281	39,431				
13	Crude petroleum (incl. natural gas)	4	1,181	91	1,272	- not available separately for publication; included in totals -			1,572	3,265	26,152	2,573	3,005				
14	Construction materials	156				9,208 42,670 18,211											
15	Other non-metallic minerals	30	- not available separately for publication; included in totals -														
	Total Mining	1974-75	(c)257	15,119	882	16,001	159,420	899,390	57,317	78,142	248,880	671,336	6,325	117,774			
	(excl. services to mining)	1973-74	(c)241	13,595	738	14,333	114,602	656,858	42,453	56,849	168,155	503,099	4,415	113,007			
		1972-73	(c)240	12,955	733	13,688	95,039	462,594	37,066	38,261	141,686	322,103	4,749	128,696			
		1971-72	266	12,308	735	13,043	83,087	345,568	27,407	38,567	117,519	239,208	4,973	155,810			
		1970-71	292	11,859	690	12,549	69,211	323,536	23,046	28,357	83,101	245,746	4,753	103,454			

(a) Includes working proprietors. (b) Excludes amounts drawn by working proprietors. (c) Excludes some very small insignificant establishments. Other than "Number of establishments"; these exclusions do not affect any figures by more than one per cent.

TABLE 10. - MINING ESTABLISHMENTS - SUMMARY OF OPERATIONS BY INDUSTRY SUB-DIVISION, STATES, 1974-75 - continued

Industry sub-division		No. of establishments operating at end of June (No.)	Persons employed, end of June (a)				Wages and salaries (b) (\$'000)		Turnover (\$'000)	Stocks		Purchases, transfers in and selected expenses (\$'000)	Value added (\$'000)	Rent and leasing expenses (\$'000)	Fixed capital expenditure (outlay on fixed tangible assets less disposals) (\$'000)
ASIC code	Description		Males (No.)	Females (No.)	Persons (No.)		Opening (\$'000)	Closing (\$'000)							
SOUTH AUSTRALIA															
11	Metallic minerals	7	1,798	197	1,995	16,706	83,089	7,767	17,027	35,053	57,296	385	20,780		
12	Coal	1													
13	Crude petroleum (incl. natural gas)	54													
14	Construction materials	28	509	43	552	4,179	15,142	1,050	1,213	4,447	10,857	887	1,971		
15	Other non-metallic minerals	28	309	7	316	2,272	14,967	1,643	1,991	8,583	6,733	74	2,335		
Total Mining (excl. services to mining)		91	2,616	247	2,863	23,158	113,198	10,460	20,231	48,082	74,886	1,345	25,094		
	1973-74	86	2,302	177	2,479	15,115	110,324	9,417	10,817	43,893	67,830	1,547	23,327		
	1972-73	94	2,354	196	2,550	13,367	108,608	7,931	9,186	36,041	73,822	1,402	16,062		
	1971-72	104	2,293	218	2,511	12,255	96,034	5,561	8,156	33,922	64,707	1,470	12,082		
	1970-71	122	1,866	128	1,994	8,459	96,856	4,946	5,649	31,894	65,665	1,161	14,665		
WESTERN AUSTRALIA															
11	Metallic minerals	69	11,586	1,144	12,730	117,158	915,753	57,247	83,693	361,872	580,326	2,607	142,807		
12	Coal	3	957	13	970	8,445	52,594	2,211	2,347	7,254	45,475	66	4,740		
13	Crude petroleum (incl. natural gas)	2													
14	Construction materials	(c)30												414	72
15	Other non-metallic minerals	30	673	72	745	6,781	23,489	4,159	5,278	7,787	16,821	1,472	2,744		
Total Mining (excl. services to mining)		(c)134	13,630	1,301	14,931	137,964	1,010,661	65,211	93,799	384,968	654,282	4,584	151,872		
	1973-74	(c)138	12,102	943	13,045	96,255	736,124	57,476	65,785	250,441	493,992	3,861	96,862		
	1972-73	(c)131	11,221	760	12,001	71,946	653,049	60,015	57,461	200,942	449,553	3,698	87,785		
	1971-72	(c)115	9,816	621	10,437	62,388	593,944	50,700	60,489	179,725	424,008	2,541	167,174		
	1970-71	(c)122	10,285	704	10,989	55,941	527,107	38,985	45,225	146,904	386,444	1,882	186,643		
TASMANIA															
11	Metallic minerals	(d)16	3,924	211	4,135	40,993	120,489	15,108	17,172	53,984	68,569	491	18,129		
12	Coal	1													
13	Crude petroleum (incl. natural gas)	--	--	--	--	--	--	--	--	--	--	--	--		
14	Construction materials	26	163	4	167	1,041	4,871	347	419	2,553	2,389	68	737		
15	Other non-metallic minerals	13													
-- not available separately for publication; included in total --															
Total Mining (excl. services to mining)		(d)56	4,232	218	4,450	43,026	127,688	15,526	18,017	57,276	72,903	643	19,430		
	1973-74	(d)56	4,139	178	4,317	30,623	144,917	12,966	15,570	62,200	85,321	234	13,159		
	1972-73	48	4,150	176	4,326	28,091	95,350	14,332	12,933	31,765	62,186	151	12,482		
	1971-72	53	4,449	191	4,640	26,458	88,675	13,801	14,391	29,948	59,317	116	16,532		
	1970-71	64	4,463	197	4,660	22,641	78,057	11,055	12,502	21,408	58,095	110	25,967		

(a) Includes working proprietors. (b) Excludes amounts drawn by working proprietors. (c) Excludes sand and gravel establishments. (d) Excludes some very small insignificant establishments. Other than "Number of establishments"; these exclusions do not affect any figures by more than one per cent.

TABLE 10. - MINING ESTABLISHMENTS - SUMMARY OF OPERATIONS BY INDUSTRY SUB-DIVISION, STATES, 1974-75 - continued

Industry sub-division		No. of establishments operating at end of June (No.)	Persons employed, end of June (a)			Wages and salaries (b) (\$'000)	Turnover (\$'000)	Stocks		Purchases, transfers in and selected expenses (\$'000)	Value added (\$'000)	Rent and leasing expenses (\$'000)	Fixed capital expenditure (outlay on assets less disposals) (\$'000)
ASIC code	Description		Males (No.)	Females (No.)	Persons (No.)			Opening (\$'000)	Closing (\$'000)				
NORTHERN TERRITORY													
11	Metallic minerals	10	1,031	84	1,115	15,387	89,589	12,240	17,146	26,709	67,786	644	14,700
12	Coal	..	..	..	..	..	..	..	..	..	..	..	..
13	Crude petroleum (incl. natural gas)	..	..	..	..	..	..	..	..	..	..	..	..
14	Construction materials	5	64	1	65	526	2,006	252	382	717	1,420	31	-32
15	Other non-metallic minerals	..	..	..	..	..	..	..	..	..	..	..	..
Total Mining 1974-75		15	1,095	85	1,180	15,913	91,596	12,492	17,528	27,426	69,205	675	14,668
1973-74		15	1,415	80	1,495	12,937	87,665	7,810	12,379	22,041	70,193	711	6,155
1972-73		15	1,409	64	1,473	10,843	66,010	8,344	7,847	16,430	49,084	572	10,341
1971-72		26	1,513	74	1,587	10,066	47,747	6,150	8,897	14,669	35,826	1,118	21,672
1970-71		24	1,427	68	1,495	8,702	41,336	5,300	6,114	19,989	22,161	278	31,837
AUSTRALIAN CAPITAL TERRITORY													
11	Metallic minerals	..	..	..	..	..	..	..	..	..	..	..	..
12	Coal	..	..	..	..	..	..	..	..	..	..	..	..
13	Crude petroleum (incl. natural gas)	..	..	..	..	..	..	..	..	..	..	..	..
14	Construction materials	8	101	3	104	897	4,111	102	303	1,352	2,961	142	275
15	Other non-metallic minerals	..	..	..	..	..	..	..	..	..	..	..	..
Total Mining 1974-75		8	101	3	104	897	4,111	102	303	1,352	2,961	142	275
1973-74		6	75	1	76	616	2,813	233	111	906	1,785	76	74
1972-73		9	76	1	77	503	2,547	221	226	907	1,644	67	77
1971-72		10	91	1	92	453	2,176	166	230	796	1,444	95	44
1970-71		8	87	3	90	471	2,187	197	167	921	1,236	40	610
AUSTRALIA													
11	Metallic minerals	(c)208	32,570	2,502	35,072	336,220	1,811,929	159,578	212,586	630,049	1,234,887	6,538	274,993
12	Coal	132	..	..	..	..	..	..	..	..	..	..	..
13	Crude petroleum (incl. natural gas)	9	24,193	483	24,676	265,190	1,574,089	57,299	90,329	400,519	1,206,599	5,511	186,972
14	Construction materials	(c)697	6,050	512	6,562	52,980	238,565	15,374	23,031	96,834	149,389	8,057	19,177
15	Other non-metallic minerals	(c)269	2,634	178	2,812	22,214	93,047	10,039	14,487	47,300	50,195	3,015	15,032
Total Mining 1974-75		(c)1,315	65,447	3,675	69,122	676,604	3,717,629	242,290	340,432	1,174,702	2,641,069	23,121	496,174
1973-74		(c)1,315	61,006	3,050	64,056	481,006	2,798,062	216,389	242,586	828,164	1,996,096	18,682	338,573
1972-73		(c)1,330	60,140	2,920	63,060	402,894	2,265,129	210,951	211,775	668,651	1,597,301	15,837	322,930
1971-72		(c)1,410	60,222	2,957	63,179	373,999	1,994,261	165,244	211,178	611,888	1,428,307	16,304	482,611
1970-71		1,512	59,735	2,824	62,559	324,915	1,813,235	142,251	157,363	540,195	1,288,154	14,464	520,561

(a) Includes working proprietors. (b) Excludes amounts drawn by working proprietors. (c) Excludes some very small, insignificant establishments. Other than "Number of establishments" these exclusions do not affect any figures by more than one per cent.

TABLE 11. - MINING ESTABLISHMENTS OPERATING AT 30 JUNE, AUSTRALIA, 1974-75
NUMBER OF ESTABLISHMENTS BY EMPLOYMENT SIZE (a) BY INDUSTRY CLASS
(Number)

Industry class		(Number)							
ASIC code	Description	less than 5 persons	5 to 9 persons	10 to 19 persons	20 to 49 persons	50 to 99 persons	100 to 199 persons	200 or more persons	Total
Metallic minerals -									
1101	Bauxite	1	..	..	..	..	2	2	
1102	Copper (incl. copper-gold)	19	1	..	..	1	6	5	32
1103	Gold	16	15	6	2	4	..	2	45
1104	Iron ore	6	..	1	5	1	2	9	24
1105	Mineral sands	1	1	1	2	5	10	4	24
1106	Nickel	..	..	..	..	1	3	4	8
1107	Silver-lead-zinc	3	2	..	..	..	..	6	11
1108	Tin	25	5	6	6	3	3	2	50
1109	Metallic minerals n.e.c.	2	..	2	..	2	1	2	9
11	Total metallic minerals	73	24	16	15	17	27	36	208
Coal and Crude petroleum (incl. natural gas) -									
1201	Black coal	1	7	11	26	22	23	37	127
1202	Brown coal	1	..	..	2	..	..	2	5
1300	Crude petroleum (incl. natural gas)	2	2	1	..	1	1	2	9
Construction materials -									
1401	Sand and gravel	183	92	31	12	2	..	..	320
1402	Crushed and broken stone	102	99	65	43	4	4	..	317
1403	Dimension stone and other construction materials n.e.c.	48	9	3	..	..	..	..	60
14	Total construction materials	333	200	99	55	6	4	..	697
Other non-metallic minerals -									
1501	Limestone	22	11	7	9	2	1	..	52
1502	Clays	77	8	3	2	..	..	..	90
1503	Non-metallic minerals n.e.c.	65	30	20	6	3	1	2	127
15	Total other non-metallic minerals	164	49	30	17	5	2	2	269
Total Mining 1974-75									
(excl. services to mining)		810	250	159	124	49	41	61	1,494

(a) See explanatory notes, paragraph 10, page 3.

TABLE 12. - MINING ESTABLISHMENTS OPERATING AT 30 JUNE, AUSTRALIA, 1974-75
PERSONS EMPLOYED AT 30 JUNE BY EMPLOYMENT SIZE (a) BY INDUSTRY CLASS
(Number)

Industry class								
ASIC code	Description	less than 5 persons	5 to 9 persons	10 to 19 persons	20 to 49 persons	50 to 99 persons	100 to 199 persons	200 or more persons
Metallic minerals -								
1101	Bauxite	n.a.	..	..	..	..	n.a.	n.a.
1102	Copper (incl. copper-gold)	38	n.a.	..	..	n.a.	n.a.	5,979
1103	Gold	35	113	122	n.a.	313	..	2,184
1104	Iron ore	11	..	..	235	n.a.	..	4,500
1105	Mineral sands	n.a.	n.a.	n.a.	n.a.	430	1,344	1,112
1106	Nickel	..	..	..	..	..	..	3,031
1107	Silver-lead-zinc	n.a.	n.a.	..	..	..	..	6,807
1108	Tin	53	33	89	104	n.a.	460	n.a.
1109	Metallic minerals n.e.c.	..	..	..	..	..	..	6,830
11	Total metallic minerals	157	170	257	521	1,325	3,777	1,606
Coal and Crude petroleum (incl. natural gas) -								
1201	Black coal	n.a.	n.a.	n.a.	959	1,795	3,492	14,512
1202	Brown coal	..	..	..	..	..	..	..
1300	Crude petroleum (incl. natural gas)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	2,697
Construction materials -								
1401	Sand and gravel	434	n.a.	n.a.	274	n.a.	..	..
1402	Crushed and broken stone	278	652	836	1,416	n.a.	n.a.	..
1403	Dimension stone and other construction materials	90	n.a.	n.a.	..	..	..	..
14	Total construction materials	802	1,297	1,263	1,690	n.a.	n.a.	..
Other non-metallic minerals -								
1501	Limestone	48	62	n.a.	229	n.a.	n.a.	..
1502	Clays	162	42	n.a.	n.a.	..	..	..
1503	Non-metallic minerals n.e.c.	152	214	275	n.a.	n.a.	n.a.	n.a.
15	Total other non-metallic minerals	362	318	422	n.a.	326	n.a.	n.a.
Total Mining		1,329	1,850	2,159	3,697	3,887	8,138	43,067
(excl. services to mining)		1,917	1,730	2,177	3,877	4,378	6,268	31,865

(a) See explanatory notes, paragraph 10, page 3.

TABLE 13. - MINING ESTABLISHMENTS OPERATING AT 30 JUNE, AUSTRALIA, 1974-75
WAGES AND SALARIES PAID, BY EMPLOYMENT SIZE (a) BY INDUSTRY CLASS
(\$'000)

ASIC code	Industry class Description	less than 5 persons	5 to 9 persons	10 to 19 persons	20 to 49 persons	50 to 99 persons	100 to 199 persons	200 or more persons	Total
Metallic minerals -									
1101	Bauxite	n.a.	..	..	..	..	n.a.	n.a.	17,078
1102	Copper (incl. copper-gold)	130	n.a.	..	..	n.a.	n.a.	61,697	72,287
1103	Cold	103	532	563	n.a.	2,348	..	n.a.	15,351
1104	Iron ore	43	..	n.a.	2,181	n.a.	..	43,766	49,618
1105	Mineral sands	n.a.	n.a.	n.a.	n.a.	2,835	11,099	10,358	25,242
1106	Nickel	..	..	- not available separately for publication; included in totals -				..	..
1107	Silver-lead-zinc	n.a.	n.a.	..	..	..	..	69,376	69,465
1108	Tin	89	169	672	628	n.a.	3,471	n.a.	12,478
1109	Metallic minerals n.e.c.	..	..	- not available separately for publication; included in totals -				..	..
11	Total metallic minerals	476	808	1,612	4,075	9,879	34,457	248,902	300,209
Goal and Crude petroleum (incl. natural gas) -									
1201	Black coal	n.a.	n.a.	n.a.	12,172	19,976	39,901	151,988	226,624
1202	Brown coal	..	..	..	..	..	..	..	..
1300	Crude petroleum (incl. natural gas)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	29,129
Construction materials -									
1401	Sand and gravel	2,058	n.a.	n.a.	2,274	n.a.	..	..	13,164
1402	Crushed and broken stone	1,546	4,902	6,634	11,280	n.a.	n.a.	..	31,036
1403	Dimension stone and other construction materials n.e.c.	216	n.a.	n.a.	..	..	..	..	747
14	Total construction materials	3,819	9,512	9,910	13,554	n.a.	n.a.	..	44,947
Other non-metallic minerals									
1501	Limestone	206	498	n.a.	1,646	n.a.	n.a.	..	5,448
1502	Clays	565	211	n.a.	n.a.	..	..	..	1,530
1503	Non-metallic minerals n.e.c.	550	1,151	1,725	n.a.	n.a.	n.a.	n.a.	13,940
15	Total other non-metallic minerals	1,320	1,860	3,084	n.a.	2,866	n.a.	n.a.	20,918
Total Mining									
1974-75		5,710	12,816	16,637	33,679	37,339	82,391	433,257	621,828
(excl. services to mining) 1968-69		4,012	5,226	7,745	16,941	19,105	27,630	145,433	226,091

(a) See explanatory notes, paragraph 10, page 3.

TABLE 14. - MINING ESTABLISHMENTS OPERATING AT 30 JUNE, AUSTRALIA, 1974-75
 TURNOVER, BY EMPLOYMENT SIZE (a) BY INDUSTRY CLASS
 (\$'000)

Industry class								
ASIC code	Description	less than 5 persons	5 to 9 persons	10 to 19 persons	20 to 49 persons	50 to 99 persons	100 to 199 persons	Total
Metallic minerals -								
1101	Bauxite			- not available separately for publication; included in totals -				
1102	Copper (incl. copper-gold)	292	n.a.		n.a.	n.a.	168,995	201,592
1103	Gold	185	199	1,386	n.a.	5,266	n.a.	48,384
1104	Iron ore	288		n.a.	16,621	n.a.	n.a.	716,611
1105	Mineral sands	n.a.	n.a.	n.a.	n.a.	20,774	62,016	144,013
1106	Nickel			- not available separately for publication; included in totals -				
1107	Silver-lead-zinc	n.a.	n.a.				301,151	305,938
1108	Tin	757	318	2,372	1,736	n.a.	12,624	63,164
1109	Metallic minerals n.e.c.			- not available separately for publication; included in totals -				
11	Total metallic minerals	2,399	4,953	5,490	35,020	43,254	194,506	1,809,622
Coal and Crude petroleum								
(incl. natural gas) -								
1201	Black coal	n.a.	n.a.	n.a.	48,059	115,268	131,396	731,172
1202	Brown coal							
1300	Crude petroleum	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	526,604
(incl. natural gas) }								
Construction materials -								
1401	Sand and gravel	14,445	n.a.	n.a.	15,168	n.a.		80,839
1402	Crushed and broken stone	6,300	21,837	34,927	59,067	n.a.	n.a.	148,954
1403	Dimension stone and other construction materials n.e.c.	943	n.a.	n.a.				2,097
14	Total construction materials	21,688	49,615	51,666	74,235	n.a.	n.a.	231,890
Other non-metallic minerals -								
1501	Limestone	777	1,689	n.a.	10,095	n.a.	n.a.	23,592
1502	Clays	5,209	1,575	n.a.				9,226
1503	Non-metallic minerals n.e.c.	2,930	7,074	7,899	n.a.	n.a.	n.a.	55,252
15	Total other non-metallic minerals	8,916	10,338	12,979	n.a.	10,336	n.a.	88,071
Total Mining								
1974-75		33,386	84,340	84,949	181,693	215,911	446,420	3,702,841
(excl. services to mining)		28,579	33,670	42,303	129,632	72,142	127,419	1,137,961

(a) See explanatory notes, paragraph 10, page 3.

TABLE 15. - MINING ESTABLISHMENTS OPERATING AT 30 JUNE, AUSTRALIA, 1974-75
VALUE ADDED, BY EMPLOYMENT SIZE (a) BY INDUSTRY CLASS
(\$'000)

Industry class									
ASIC code	Description	less than 5 persons	5 to 9 persons	10 to 19 persons	20 to 49 persons	50 to 99 persons	100 to 199 persons	200 or more persons	Total
Metallic minerals -									
1101	Bauxite	n.a.	..	..	..	..	n.a.	n.a.	125,688
1102	Copper (incl. copper-gold)	170	n.a.	..	..	n.a.	n.a.	108,092	128,951
1103	Gold	34	160	1,070	n.a.	3,846	..	n.a.	38,696
1104	Iron ore	101	..	n.a.	10,944	n.a.	..	392,137	427,433
1105	Mineral sands	n.a.	n.a.	n.a.	n.a.	11,599	48,157	45,528	108,407
1106	Nickel	..	..	..	..	..	..	..	..
1107	Silver-lead-zinc	n.a.	n.a.	..	..	..	..	234,188	237,793
1108	Tin	500	200	833	1,136	n.a.	9,001	n.a.	37,828
1109	Metallic minerals n.e.c.	..	..	..	..	..	..	..	..
11	Total metallic minerals	1,556	3,602	3,077	27,305	25,780	144,611	1,028,956	1,234,887
Coal and Crude petroleum (incl. natural gas) -									
1201	Black coal	n.a.	n.a.	n.a.	32,840	57,196	92,079	543,312	733,118
1202	Brown coal	..	..	..	..	..	..	..	..
1300	Crude petroleum (incl. natural gas)	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	464,701
Construction materials -									
1401	Sand and gravel	9,428	n.a.	n.a.	8,759	n.a.	..	..	50,517
1402	Crushed and broken stone	3,947	14,280	21,727	33,720	n.a.	n.a.	..	91,203
1403	Dimension stone and other construction materials n.e.c.	527	n.a.	n.a.	..	..	..	..	1,345
14	Total construction materials	13,903	31,030	32,982	42,479	n.a.	n.a.	..	143,064
Other non-metallic minerals -									
1501	Limestone	389	979	n.a.	5,987	n.a.	n.a.	..	13,186
1502	Clays	2,453	982	n.a.	n.a.	..	..	..	4,777
1503	Non-metallic minerals n.e.c.	1,407	2,728	4,247	n.a.	n.a.	n.a.	n.a.	30,506
15	Total other non-metallic minerals	4,249	4,690	7,299	n.a.	6,791	n.a.	n.a.	48,469
Total Mining (excl. services to mining)		19,700	53,187	48,751	115,621	125,980	330,408	1,930,594	2,624,239
		1968-69	16,776	22,061	25,922	38,146	79,412	477,010	744,085

(a) See explanatory notes paragraph 10, page 3.

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