

STATISTICAL BULLETIN:

MINING AND QUARRYING

No. 11—1962

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA
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CONTENTS

<u>Table</u>		<u>Page</u>
I.	<u>SCOPE OF STATISTICS AND DEFINITIONS OF TERMS USED</u>	4
II.	<u>SUMMARY OF MINING AND QUARRYING OPERATIONS</u>	
1.	Summary of Mining and Quarrying Operations : Industry Groups, 1958 to 1962	7
2.	Summary of Mining and Quarrying Operations : States and Territories, 1958 to 1962	8
III.	<u>STATISTICS OF MINING AND QUARRYING OPERATIONS CLASSIFIED BY INDUSTRY</u>	
3.	Number of Mines and Quarries (All Mines and Quarries) : States and Territories, 1962	10
4.	Number of Mines and Quarries (All Mines and Quarries) : Australia, 1958 to 1962	11
5.	Number of Mines and Quarries (excluding those employing less than four persons) : Australia, 1958 to 1962	12
6.	Classification of Mines and Quarries according to Average Number of Persons Employed : States and Territories, 1962	13
7.	Classification of Mines and Quarries According to Average Number of Persons Employed : Australia, 1962	14
8.	Average Number of Persons Employed during Period Worked : States and Territories, 1962*	15
9.	Average Number of Persons Employed during Whole Year : States and Territories, 1962	16
10.	Average Number of Persons Employed during Whole Year : Australia, 1958 to 1962	17
11.	Working Proprietors, Salaried Staff and Wage Earners on Last Full Working Day : Australia, 1962*	18
12.	Salaries and Wages Paid : States and Territories, 1962	19
13.	Salaries and Wages Paid : Australia, 1958 to 1962	20
14.	Salaries and Wages Paid : States and Territories, 1962*	21
15.	Value of Power, Fuel and Light Used : States and Territories, 1962*	22
16.	Value of Power, Fuel and Light Used by Type of Fuel etc. : Australia, 1962	23
17.	Value of Materials and Stores Used (Other than Power, Fuel and Light) : States and Territories, 1962*	24
18.	Value of Materials and Stores Used (Other than Power, Fuel and Light) by Type of Materials, etc. : Australia, 1962	25
19.	Value of Power, Fuel, Light, Materials and Stores, etc. Used : States and Territories, 1962	26
20.	Value of Power, Fuel, Light, Materials and Stores, etc. Used : Australia, 1958 to 1962	27
21.	Value of Output : States and Territories, 1962	28
22.	Value of Output : Australia, 1958 to 1962	29
23.	Value of Production : States and Territories, 1962	31
24.	Value of Production : Australia, 1958 to 1962	32
25.	Salaries and Wages Paid, Value of Power, Fuel and Light, Materials Used and Value of Output and Production : Australia, 1962	33
26.	Value of Additions and Replacements to Total Fixed Assets : States and Territories, 1962	34
27.	Value of Additions and Replacements to Total Fixed Assets : Australia, 1958 to 1962	35
28.	Value of Additions and Replacements to Fixed Assets : States and Territories, 1962 *	36

NOTE: Tables marked (*) also show summarized particulars for 1961.

Graphs

Value of Output by Industry, Australia, 1962	30
Value of Output, Industry Groups, 1958 to 1962	30



FOREWORD

This bulletin shows data, on an industry basis, relating to mining and quarrying operations in Australia. The series was initiated in 1952 to supplement statistics already being published by this Bureau on production, overseas trade and consumption of minerals and metals, on a product basis. The latter statistics are published quarterly in the Australian Mineral Industry Review and annually in the Primary Industries Bulletin, Part II and in the Official Year Book.

Statistics of the Australian mining and quarrying industry were collected on a substantially uniform basis for the first time in 1952 by State Mines Departments or State Statisticians and by the Mines Branch of the Northern Territory Administration. In 1953, this collection was extended to cover the Australian Capital Territory. Prior to 1952, industrial censuses of mining and quarrying establishments covering employment, salaries and wages paid, fixed assets, value of output, and cost of materials used, were taken in some States, but on widely varying bases.

Section I. Scope of Statistics and Definitions of Terms
Used sets out in some detail the bases on which statistics of mining and quarrying have been collected and compiled from 1952 onwards.

I. SCOPE OF STATISTICS AND DEFINITIONS OF TERMS USED

1. Definition and Classification of the Mineral Industry. - For the purpose of the statistics included in this bulletin, the Mineral Industry includes all mining and quarrying and the recovery of minerals from ore dumps, tailings, etc. Ore-dressing and elementary smelting of metallic minerals (e.g. in the case of gold) and miscellaneous treatment of non-metallic minerals, when these are carried out in an associated plant at or near the mine (or in a custom battery or mill), are included in the mineral industry. However, establishments primarily engaged in smelting and/or refining (including the smelting and refining sections of the large plants operated at Mt. Morgan and Mt. Isa in Queensland and at Mt. Lyell in Tasmania) are excluded and classified in the Manufacturing Industry.

Also included in the mining and quarrying industry are quarries operated by brickworks, cement works, etc. and those winning direct construction materials such as sand, gravel, building stone and crushed and broken stone for road making, etc. The gathering of salt deposited in evaporation pans from brine solutions is also included in the mining industry. The data include estimates of value of output and value of production for fossicking activities but fossickers and men engaged on small sundry claims are excluded from tables showing numbers of mines and employment. Activities associated with prospecting and the exploration for oil and other minerals are excluded. Mining properties under development are included.

For mines and quarries which produce more than one product, it is not possible to apportion to the minerals produced particulars relating to the operations of the mine (employment, salaries and wages paid, and costs incurred in production). It is, therefore, the practice to record these data only as a total for each mine which is then classified by industry on the basis of the most important mineral produced. Thus a mine producing, say, both tin and tungsten minerals, would be classified as a tin mine if tin were the more important product by value, and as a tungsten mine if tungsten were the dominant product. This criterion has been used in compiling industry statistics included in this bulletin, with the exception that one major producer of copper, lead and zinc has been classified to the Silver-Lead-Zinc Mining Industry even though in recent years the value of output of copper minerals has exceeded that of other products.

In practice, much of the data for certain industries has had to be grouped for publication to avoid revealing information supplied by individual mines or quarries in those industries.

The individual industries are classified into four major groups, namely Metal Mining, Fuel Mining, Non-metal (excluding Fuel) Mining and Construction Material Quarrying.

2. Scope of Statistics. - Mineral industry data are obtained annually from the Mining and Quarrying Census, which is carried out in association with the several Mines Departments. Detailed statistics compiled from data collected on the Census returns comprise numbers of persons employed in various categories, salaries and wages paid, value of new investment in fixed assets, value of power, fuel, light and materials and stores used, value of output and value of production. A representative specimen collection form is included in Primary Industries Bulletin Part II, No. 55 - 1960-61, pages 47 and 48. In view of the difficulty of obtaining much of this type of information from small mines, the detailed census returns were collected only from mines and quarries employing four or more persons. However, estimates of numbers of mines and quarries, numbers employed, value of output and value of production (based on the collection of simplified census returns and/or Mines Department records) were made for the small mines and quarries omitted from the detailed census. Thus estimates of totals for these major items have been provided for all mines and quarries. Data for other items refer to mines and quarries employing four or more persons.

The coverage of the collection in respect of quarrying of construction materials has been incomplete in some degree in most States. This deficiency has been due primarily to the inherent difficulty of obtaining complete lists of quarries (including those operated by government and local government authorities) many of which operate intermittently and in different locations. There has been difficulty also in obtaining satisfactory returns from quarries operated in conjunction with some other activity, e.g. road making, brickworks, etc. However, attempts are continually being made to improve the coverage of this industry. In particular, a much wider coverage was obtained in Victoria in 1961. Hence the data shown for quarrying in Victoria in 1961 and 1962 are not strictly comparable with similar information for 1960 and previous years. The activities of quarries operated in conjunction with large construction projects, such as the Snowy Mountains scheme, are excluded from these statistics. Usually such quarries are closely associated with other works in the project, and employees, plant, machinery, etc., employed in quarries spend considerable time on work other than quarrying. It is difficult to obtain an apportionment of such items to purely quarrying activities.

In some States, there have been deficiencies also in the collection of data for certain Non-metal (excluding Fuel) Mining Industries, mainly because these are outside the fields normally under the administrative control of Mines Departments. Products chiefly affected are clays, loam and silica.

Particulars of oil-search operations have been excluded from all tables in accordance with the definition of the mining industry set out on page 4. Details of uranium mining are not available for publication and have been excluded from all tables.

3. Definitions of Terms Used. - (i) Persons Employed. All persons including working proprietors engaged in and around the mine on mining and developmental operations, in underground and surface workshops, in crushing and ore-dressing operations, in carting ore to crushing or dressing works at or near the mine (to screens at coal mines), and in removal of overburden, are included. Salaried staff engaged in the management of the mine are included but head office staffs are excluded.

Employment statistics shown in this bulletin have been compiled on three bases, namely:-

(1) Average employment during period worked. This represents the aggregate of the average number of persons employed in each mine or quarry during its period of operation (whether the whole or only part of the year).

(2) Average employment during whole year. These figures show the total man-years of labour input in a particular year. This whole year figure is calculated for each mine from average employment for period worked (i.e. from (1) above) proportionately on the basis of the actual period worked expressed in weeks.

(3) Employment on last full working day. These figures show the number of persons working in mines and quarries at the end of the year. As many mines close for the Christmas/New Year period figures are recorded if the last day of employment reported for the year occurred in December.

(ii) Salaries and Wages Paid. These relate to amounts paid to employees (excluding drawings by working proprietors), including amounts capitalized as well as those charged to working expenses. The amounts are gross (including holiday and sick pay) before any deductions are made for income tax, pensions, etc. The value of explosives sold to employees has, however, been deducted.

(iii) Value of Power, Fuel and Light Used. This includes all fuels and purchased electricity. The amounts shown relate only to items charged to working expenses and exclude amounts capitalized or charged to mine development. Where electricity is generated at the mine, in general no value is shown for electricity but the fuels used in generation are included. In certain cases, however, where the mine power-house is relatively large, it has been classified for statistical purposes as a separate establishment and included in manufacturing. In these cases electricity is shown as "Purchased", and fuels used in generation are excluded.

(iv) Value of Materials and Stores Used. This includes timber and explosives (including the value of explosives sold to employees) and other mining and ore-dressing materials and stores, materials used in repairs effected by own workmen (labour costs being included in wages), tools replaced and repairs done by persons not employed by the mine. The amounts refer to working expenses only and exclude amounts capitalized.

(v) Value of Output. The amounts shown under this heading represent selling value at the mine or quarry (or associated ore crushing or dressing plant), (i.e. selling value at point of sale less transport costs from the mine or quarry to the point of sale) of ores, concentrates or other minerals produced during the year. Operators were instructed to value output on the basis of the value of minerals produced during the year (i.e. as distinct from sales or dispatches), including the estimated value in respect of any portion of the year's production for which final realizations had not been made at the time of completing the return. Subsidy and bounty payments received have been included. The amounts represent the "selling value" of the minerals won after treatment such as crushing and ore-dressing done at or near the mine. Value added by the processes of reduction of ores, concentrates, etc. to a metal are excluded. "Producer-consumers" (e.g. of limestone in the case of a cement manufacturer) were asked to value output on the basis of production costs of mining and treatment done at the mine (e.g. crushing, but, in the case of a cement manufacturer as cited above, not cement manufacture), plus an allowance for business overhead and profit.

(vi) Value of Production. The value of production of any industry has been defined by Australian Statisticians as "the value of consumable commodities produced during the year, deducting, as far as possible, the value of goods consumed in the process of production". Value of production is the only satisfactory measure to use when comparing or combining value of mining and quarrying operations with values of other industries. The value of production for mining and quarrying shown in this bulletin has been calculated by deducting from value of output, the value (at the mine or quarry) of fuel, power and light, and timber, explosives and other materials and stores used (including costs of repairs). Certain information on depreciation of plant, land and buildings and mine development was collected, but, because of its generally unsatisfactory nature, depreciation has not been deducted in arriving at value of production.

Many other costs and expenses, such as royalties, maintenance (other than repairs) of buildings and plant, workers' compensation and other insurance, taxation, etc. have also not been deducted in arriving at value of production. Consequently, when salaries and wages are deducted from value of production, only portion of the balance is available as interest and profits.

II. SUMMARY OF MINING AND QUARRYING OPERATIONS

A summary of mining and quarrying operations in Australia according to the four major groups of industries during the years 1958 to 1962 is shown in the following table.

TABLE 1. - SUMMARY OF MINING AND QUARRYING OPERATIONS : AUSTRALIA

Year	Metal Mining	Fuel Mining	Non-metal (excl. Fuel) Mining (a)	Total All Mining (a)	Construction Material Quarrying (a)	Total All Mining and Quarrying (a)
NUMBER OF MINES AND QUARRIES (All Mines and Quarries)						
1958	708	234	645	1,587	746	2,333
1959	756	226	687	1,669	862	2,531
1960	746	225	698	1,669	892	2,561
1961	805	208	755	1,768	(b)1,056	(b)2,824
1962	866	204	731	1,801	1,107	2,908
NUMBER OF MINES AND QUARRIES (Excluding Mines and Quarries employing less than four persons)						
1958	177	231	151	559	330	889
1959	171	221	171	563	327	890
1960	157	215	168	540	349	889
1961	159	203	168	530	(b)399	(b)929
1962	152	199	167	518	433	951
AVERAGE NUMBER OF PERSONS EMPLOYED DURING WHOLE YEAR (c) (All Mines and Quarries)						
1958	20,495	22,335	2,728	45,558	4,581	50,139
1959	20,256	20,197	2,975	43,428	4,116	47,544
1960	19,889	19,928	2,925	42,742	5,016	47,758
1961	19,287	18,398	2,942	40,627	(b)5,498	(b)46,125
1962	19,023	17,765	2,838	39,626	5,599	45,225
SALARIES AND WAGES PAID (c) (Excluding Mines and Quarries employing less than four persons) (£'000)						
1958	25,488	26,195	2,384	54,067	3,241	57,308
1959	26,218	25,147	2,631	53,996	3,490	57,486
1960	26,727	27,703	2,664	57,094	3,628	60,722
1961	26,464	27,383	2,875	56,722	(b)4,018	(b)60,740
1962	25,854	26,820	2,899	55,573	4,381	59,954
VALUE OF OUTPUT AT MINE OR QUARRY (d) (All Mines and Quarries) (£'000)						
1958	70,190	57,076	10,160	137,426	18,529	155,955
1959	77,522	55,334	10,555	143,411	21,574	164,985
1960	83,823	62,046	10,866	156,735	24,505	181,240
1961	76,089	64,803	11,494	152,386	(b)27,765	(b)180,151
1962	80,904	67,380	12,157	160,441	27,906	188,347
TOTAL VALUE OF POWER, FUEL, LIGHT AND MATERIALS AND STORES USED (All Mines and Quarries) (£'000)						
1958	20,770	11,148	2,389	34,307	3,312	37,619
1959	21,545	10,759	2,359	34,663	4,167	38,830
1960	23,504	11,942	2,340	37,786	4,427	42,213
1961	22,441	13,031	2,508	37,980	(b)4,926	(b)42,906
1962	20,577	14,018	2,818	37,413	4,500	41,913

(a) Incomplete; see Scope of Statistics on pages 4 and 5. (b) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria. (c) See definition on page 5. (d) See definition on page 6.

TABLE 1. - SUMMARY OF MINING AND QUARRYING OPERATIONS : AUSTRALIA (continued)

Year	Metal Mining	Fuel Mining	Non-Metal (excl. Fuel) Mining (a)	Total All Mining (a)	Construction Material Quarrying (a)	Total All Mining and Quarrying (a)
VALUE OF PRODUCTION (b) (All Mines and Quarries) (£'000)						
1958	49,420	45,928	7,771	103,119	15,217	118,336
1959	55,977	44,575	8,196	108,748	17,407	126,155
1960	60,319	50,104	8,526	118,949	20,078	139,027
1961	53,648	51,772	8,986	114,406	(c)22,839	(c)137,245
1962	60,327	53,362	9,339	123,028	23,406	146,434
VALUE OF ADDITIONS AND REPLACEMENTS TO FIXED ASSETS (£'000) (Excluding Mines and Quarries employing less than four persons)						
1958	7,159	10,221	1,283	18,663	825	19,488
1959	10,229	11,361	1,454	23,044	1,408	24,452
1960	6,823	12,861	588	20,272	1,624	21,896
1961	7,175	14,258	1,274	22,707	(c)2,281	(c)24,988
1962	11,219	16,109	704	28,032	1,951	29,983

(a) Incomplete; see Scope of Statistics, on pages 4 and 5. (b) See definition on page 6. (c) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

The following table is a summary of mining and quarrying operations in the States and Territories of Australia during the years 1958 to 1962.

TABLE 2. - SUMMARY OF MINING AND QUARRYING OPERATIONS

Year	New South Wales	Vic-toria	Queens-land	South Australia	Western Australia	Tasmania	Northern Terr. (a)	Australia
NUMBER OF MINES AND QUARRIES (All Mines and Quarries)								
1958	808	228	413	412	313	109	50	2,333
1959	856	219	450	437	380	131	58	2,531
1960	945	217	461	376	360	122	80	2,561
1961	998	(b)340	538	394	340	134	80	(b)2,824
1962	991	350	578	381	352	152	104	2,908
NUMBER OF MINES AND QUARRIES (Excluding Mines and Quarries employing less than four persons)								
1958	295	143	170	122	98	46	15	889
1959	286	141	165	107	119	56	16	890
1960	304	138	163	105	112	58	9	889
1961	294	(b)190	162	109	107	56	11	(b)929
1962	282	206	165	111	109	61	17	951
AVERAGE NUMBER OF PERSONS EMPLOYED DURING WHOLE YEAR (c) (All Mines and Quarries)								
1958	24,984	4,302	8,276	1,987	7,451	2,594	545	50,139
1959	21,998	3,507	8,434	2,243	8,105	2,724	533	47,544
1960	22,207	3,653	8,454	2,153	7,791	2,799	501	47,758
1961	21,496	(b)4,281	7,933	2,027	7,117	2,826	445	(b)46,125
1962	20,656	4,207	8,064	2,036	7,053	2,726	483	45,225

(a) Includes Australian Capital Territory. (b) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage of quarrying activities. (c) See definition on page 5.

TABLE 2. - SUMMARY OF MINING AND QUARRYING OPERATIONS (continued)

Year	New South Wales	Vic-toria	Queens-land	South Australia	Western Australia	Tasmania	Northern Terr. (a)	Australia
SALARIES AND WAGES PAID (b) (Excluding Mines and Quarries employing less than four persons) (£'000)								
1958	28,903	4,521	9,632	1,909	8,510	3,147	686	57,308
1959	27,084	4,558	11,044	1,917	8,845	3,276	762	57,486
1960	29,489	4,695	10,900	2,003	9,400	3,587	648	60,722
1961	29,625	(c) 5,261	10,563	2,158	8,763	3,651	719	(c) 60,740
1962	28,264	5,342	10,693	2,311	8,924	3,590	830	59,954
VALUE OF OUTPUT AT MINE OR QUARRY (d) (All Mines and Quarries) (£'000)								
1958	71,414	13,694	27,632	12,308	20,777	7,358	2,772	155,955
1959	71,090	14,935	33,329	13,209	21,787	7,639	2,996	164,985
1960	79,641	16,267	37,608	13,952	22,166	8,067	3,539	181,240
1961	78,171	(c) 20,027	32,220	15,912	22,496	7,959	3,366	(c) 80,151
1962	79,964	20,008	37,877	15,387	23,245	8,903	2,963	188,347
TOTAL VALUE OF POWER, FUEL, LIGHT AND MATERIALS AND STORES USED (All Mines and Quarries) (£'000)								
1958	15,613	2,707	7,836	2,309	6,323	2,190	641	37,619
1959	14,759	2,834	8,848	2,511	7,022	2,241	615	38,830
1960	16,427	3,109	10,148	2,548	6,722	2,591	668	42,213
1961	17,487	(c) 3,548	8,786	2,809	6,943	2,756	577	(c) 42,906
1962	17,355	3,811	7,954	2,180	7,123	2,786	704	41,913
VALUE OF PRODUCTION (d) (All Mines and Quarries) (£'000)								
1958	55,801	10,987	19,796	9,999	14,454	5,168	2,131	118,336
1959	56,331	12,101	24,481	10,698	14,765	5,398	2,381	126,155
1960	63,214	13,158	27,460	11,404	15,444	5,476	2,871	139,027
1961	60,684	(c) 16,479	23,434	13,103	15,553	5,203	2,789	(c) 137,245
1962	62,609	16,197	29,923	13,207	16,122	6,117	2,259	146,434
VALUE OF ADDITIONS AND REPLACEMENTS TO FIXED ASSETS (Excluding Mines and Quarries employing less than four persons) (£'000)								
1958	8,772	2,958	3,568	1,030	2,295	600	265	19,488
1959	8,091	4,539	7,095	1,039	2,695	521	472	24,452
1960	10,665	2,857	4,160	1,294	2,119	557	244	21,896
1961	10,928	(c) 4,688	3,965	1,952	2,202	1,045	208	(c) 24,988
1962	12,900	4,242	6,587	1,313	3,899	690	352	29,983

(a) Includes Australian Capital Territory. (b) See definition on page 5. (c) Not strictly comparable with previous years. See reference in Scope of Statistics relating to extension of coverage of quarrying activities. (d) See definition on page 6.

III. DETAILED STATISTICS OF MINING AND QUARRYING OPERATIONS CLASSIFIED BY INDUSTRY

TABLE 3. - MINING AND QUARRYING : NUMBER OF MINES AND QUARRIES, 1962

(All Mines and Quarries)

Industry	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining</u>									
Gold Mining	42	24	53	3	141	4	19	..	286
Silver-Lead-Zinc Mining	11	..	4	1	4	2	..	..	22
Copper-Gold Mining	12	2	53	2	33	1	4	..	107
Tin Mining	53	5	216	..	10	33	27	..	344
Mineral Sands Mining	12	..	4	..	4	..	..	..	20
Other Metal Mining	32	3	6	5	36	3	2	..	87
<u>Total Metal Mining</u>	162	34	336	11	228	43	52	..	866
<u>Fuel Mining</u>									
Black Coal Mining -									
Underground	97	3	73	..	3	(a)10	..	..	(a)186
Opencut	3	..	7	1	1	..	..	..	12
<u>Total Black Coal Mining</u>	100	3	80	1	4	10	..	..	198
Brown Coal Mining	..	6	..	..	..	..	..	..	6
<u>Total Fuel Mining</u>	100	9	80	1	4	10	..	..	204
<u>Non-metal (excluding Fuel) Mining</u>									
Clays (b)	169	19	50	41	30	13	..	..	322
Gypsum	9	7	..	11	7	..	..	..	34
Limestone	25	11	25	17	19	10	..	..	107
Salt	..	13	2	24	6	..	2	..	47
Other Non-metal (excluding Fuel) Mining (b)	142	3	25	(c)35	14	2	..	..	(c)221
<u>Total Non-metal (excluding Fuel) Mining (b)</u>	345	53	102	128	76	25	2	..	731
<u>Total All Mining (b)</u>	607	96	518	140	308	78	54	..	1,801
<u>Construction Material Quarrying (b)</u>	384	254	60	241	44	74	40	10	1,107
<u>TOTAL ALL MINING AND QUARRYING (b)</u>	991	350	578	381	352	152	94	10	2,908

(a) Includes one mine operating both underground and opencut workings.

(b) Incomplete; see Scope of Statistics on pages 4 and 5.

(c) Excludes the diggings of approximately 800 opal prospectors.

TABLE 4. - MINING AND QUARRYING : NUMBER OF MINES AND QUARRIES : AUSTRALIA

(All Mines and Quarries)

Industry			1958	1959	1960	1961	1962
<u>Metal Mining</u>							
Gold Mining	..	..	285	306	296	295	286
Silver-Lead-Zinc	..	..	50	35	28	27	22
Copper-Gold Mining	..	..	81	81	90	111	107
Tin Mining	..	..	180	216	216	266	344
Mineral Sands Mining	..	..	28	22	22	21	20
Other Metal Mining	..	..	84	96	94	85	87
<u>Total Metal Mining</u>	..	..	708	756	746	805	866
<u>Fuel Mining</u>							
Black Coal Mining -							
Underground (a)	..	..	212	204	203	189	186
Opencut	..	..	15	14	15	13	12
<u>Total Black Coal Mining</u>	..	..	227	218	218	202	198
Brown Coal Mining	..	..	7	8	7	6	6
<u>Total Fuel Mining</u>	..	..	234	226	225	208	204
<u>Non-metal (excluding Fuel) Mining</u>							
Clays (b)	..	..	310	354	365	369	322
Gypsum	..	..	34	33	30	32	34
Limestone	..	..	90	97	99	107	107
Salt	..	..	44	46	44	42	47
Other Non-metal (excluding Fuel) Mining (b)	..	..	167	157	160	205	221
<u>Total Non-metal (excluding Fuel) Mining (b)</u>			645	687	698	755	731
<u>Total All Mining (b)</u>	..	..	1,587	1,669	1,669	1,768	1,801
<u>Construction Material Quarrying (b)</u>	..	..	746	862	892	(c)1,056	1,107
<u>TOTAL ALL MINING AND QUARRYING (b)</u>	..	..	2,333	2,531	2,561	2,824	2,908

(a) Includes one mine operating both underground and opencut workings. (b) Incomplete; see Scope of Statistics on pages 4 and 5. (c) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

TABLE 5. - MINING AND QUARRYING : NUMBER OF MINES AND QUARRIES : AUSTRALIA

(Excluding Mines and Quarries employing less than four persons)

Industry			1958	1959	1960	1961	1962
<u>Metal Mining</u>							
Gold Mining	..	..	58	62	52	52	55
Silver-Lead-Zinc Mining	..	..	19	18	19	19	11
Copper-Gold Mining	..	..	19	14	14	16	17
Tin Mining	..	..	33	30	33	35	34
Mineral Sands Mining	..	..	26	22	22	21	20
Other Metal Mining	..	..	22	25	17	16	15
<u>Total Metal Mining</u>	..	..	177	171	157	159	152
<u>Fuel Mining</u>							
Black Coal Mining -							
Underground (a)	..	..	209	200	199	185	181
Opencut	..	..	15	14	11	13	12
<u>Total Black Coal Mining</u>	..	..	224	214	210	198	193
Brown Coal Mining	..	..	7	7	5	5	6
<u>Total Fuel Mining</u>	..	..	231	221	215	203	199
<u>Non-metal (excluding Fuel) Mining</u>							
Clays (b)	..	..	59	75*	73	66	61
Gypsum	..	..	12	12	10	11	11
Limestone	..	..	41	42	42	44	38
Salt	..	..	10	12	18	16	18
Other Non-metal (excluding Fuel) Mining (b)	..	..	29	30	25	31	39
<u>Total Non-metal (excluding Fuel) Mining (b)</u>	..	..	151	171	168	168	167
<u>Total All Mining (b)</u>	..	..	559	563	540	530	518
<u>Construction Material Quarrying (b)</u>	..	..	330	327	349	(c)399	433
<u>TOTAL ALL MINING AND QUARRYING (b)</u>	..	..	889	890	889	929	951

(a) Includes one mine operating both underground and opencut workings. (b) Incomplete; see Scope of Statistics on pages 4 and 5.

(c) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

TABLE 6. - MINING AND QUARRYING : CLASSIFICATION OF MINES AND QUARRIES ACCORDING TO AVERAGE NUMBER OF PERSONS EMPLOYED (a), 1962

Industry Group and State or Territory	Mines and Quarries employing on the average during the period worked -									
	Less than 4 persons		From 4 to 20 persons		From 21 to 200 persons		More than 200 persons		Total	
	Mines, etc.	Persons	Mines, etc.	Persons	Mines, etc.	Persons	Mines, etc.	Persons	Mines, etc.	Persons
<u>Metal Mining</u>										
New South Wales	130	212	15	108	12	1,024	5	4,803	162	6,147
Victoria	25	51	6	37	3	171	..	..	34	259
Queensland	311	460	15	109	8	(b)	2	(b)	336	4,600
South Australia	8	10	1	5	1	(b)	1	(b)	11	(b)
Western Australia	167	449	41	337	13	1,006	7	(b)	228	(b)
Tasmania	29	39	5	23	6	400	3	1,713	43	2,175
Northern Territory	44	66	5	36	2	114	1	223	52	439
<u>Total Metal Mining</u>	714	1,287	88	655	45	3,389	19	14,411	866	19,742
<u>Fuel Mining</u>										
New South Wales	2	6	28	339	48	4,340	22	7,313	100	11,998
Victoria	1	2	4	(b)	2	(b)	2	1,669	9	1,788
Queensland	..	..	23	395	57	2,577	..	..	80	2,972
South Australia	..	..	..	..	..	..	1	(b)	1	(b)
Western Australia	..	..	..	..	2	(b)	2	(b)	4	(b)
Tasmania	2	5	6	(b)	2	(b)	..	..	10	221
<u>Total Fuel Mining</u>	5	13	61	833	111	(b)	27	(b)	204	18,003
<u>All Mining and Quarrying (c)</u>										
New South Wales	709	1,114	168	1,288	87	6,623	27	12,116	991	21,141
Victoria	144	265	174	1,377	29	1,101	3	1,888	350	4,631
Queensland	413	660	92	1,019	71	(b)	2	(b)	578	8,506
South Australia	270	407	96	773	13	(b)	2	(b)	381	2,396
Western Australia	243	575	82	680	17	1,346	10	4,874	352	7,475
Tasmania	91	169	46	307	12	661	3	1,713	152	2,850
Northern Territory	82	119	9	(b)	2	(b)	1	223	94	528
Australian Capital Territory	5	7	4	(b)	1	(b)	..	..	10	62
<u>Total All Mining and Quarrying</u>	1,957	3,316	671	5,543	232	13,924	48	24,806	2,908	47,589

(a) See definition on page 5. (b) Not available for publication. (c) Includes, in addition to the above, particulars for Non-metal Mining and Construction Material Quarrying.

TABLE 7. - MINING AND QUARRYING : CLASSIFICATION OF MINES AND QUARRIES ACCORDING TO AVERAGE NUMBER OF
PERSONS EMPLOYED (a) : AUSTRALIA, 1962

Industry	Mines and Quarries employing on the average during the period worked -									
	Less than 4 persons		From 4 to 20 persons		From 21 to 200 persons		More than 200 persons		Total	
	Mines, etc.	Persons	Mines, etc.	Persons	Mines, etc.	Persons	Mines, etc.	Persons	Mines, etc.	Persons
<u>Metal Mining</u>										
Gold Mining	231	556	36	244	12	759	7	3,947	286	5,506
Silver-Lead-Zinc Mining	11	22	3	18	1	42	7	8,046	22	8,128
Copper-Gold Mining	90	145	11	71	3	230	3	1,860	107	2,306
Tin Mining	310	446	26	198	7	357	1	278	344	1,279
Mineral Sands Mining	..	..	3	40	17	1,452	..	..	20	1,492
Other Metal Mining	72	118	9	84	5	549	1	280	87	1,031
<u>Total Metal Mining</u>	714	1,287	88	655	45	3,389	19	14,411	866	19,742
<u>Fuel Mining</u>										
Black Coal Mining	5	13	58	800	109	7,303	26	8,429	198	16,545
Brown Coal Mining	..	..	3	33	2	(b)	1	(b)	6	1,458
<u>Total Fuel Mining</u>	5	13	61	833	111	(b)	27	(b)	204	18,003
<u>Non-metal (excluding Fuel) Mining</u>										
Clays (c)	261	433	60	387	1	26	..	..	322	846
Gypsum	23	40	10	62	1	86	..	..	34	188
Limestone	69	127	27	217	11	613	..	..	107	957
Salt	29	51	16	131	1	(b)	1	(b)	47	453
Other Non-metal (excluding Fuel) Mining (c)	182	285	32	202	6	(b)	1	(b)	221	1,031
<u>Total Non-metal (excluding Fuel) Mining(c)</u>	564	936	145	999	20	(b)	2	(b)	731	3,475
<u>Total All Mining (c) ..</u>	1,283	2,236	294	2,487	176	11,691	48	24,806	1,801	41,220
<u>Construction Material Quarrying (c)</u> ..	674	1,080	377	3,056	56	2,233	..	..	1,107	6,369
<u>TOTAL ALL MINING AND QUARRYING (c)</u> ..	1,957	3,316	671	5,543	232	13,924	48	24,806	2,908	47,589

(a) See definition on page 5. (b) Not available for publication. (c) Incomplete; see Scope of Statistics on pages 4 and 5.

TABLE 8. - MINING AND QUARRYING : AVERAGE NUMBER OF PERSONS EMPLOYED DURING PERIOD WORKED (a)

(All Mines and Quarries)

Industry				1961	1962								
				AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining</u>													
Gold Mining	..	..		5,592	71	235	147	3	4,899	7	144	..	5,506
Silver-Lead-Zinc Mining	..	..		8,591	4,826	..	(b)	(b)	7	(b)	..	..	8,128
Copper-Gold Mining	..	..		2,366	112	6	(b)	(b)	192	(b)	237	..	2,306
Tin Mining	..	..		1,244	133	12	538	..	63	480	53	..	1,279
Mineral Sands Mining	..	..		1,170	947	..	(b)	..	(b)	..	..	..	1,492
Other Metal Mining	..	..		1,171	58	6	23	(b)	353	(b)	5	..	1,031
<u>Total Metal Mining</u>	..	..		20,134	6,147	259	4,600	(b)	(b)	2,175	439	..	19,742
<u>Fuel Mining</u>													
Black Coal Mining -													
Underground	..	..		(b)	11,842	330	2,714	..	(b)	(c)221	..	..	(b)
Openout	..	..		(b)	156	..	258	(b)	(b)		..	..	(b)
<u>Total Black Coal Mining</u>	..	..		17,347	11,998	330	2,972	(b)	(b)	221	..	..	16,545
Brown Coal Mining	..	..		1,464	..	1,458	..	..	..	..	..	..	1,458
<u>Total Fuel Mining</u>	..	..		18,811	11,998	1,788	2,972	(b)	(b)	221	..	..	18,003
<u>Non-metal (excluding Fuel) Mining</u>													
Clays (d)	..	..		959	406	84	102	112	102	40	..	..	846
Gypsum	..	..		186	33	(b)	..	(b)	16	..	..	..	188
Limestone	..	..		985	361	132	(b)	148	(b)	(b)	..	..	957
Salt	..	..		442	..	(b)	(b)	146	(b)	..	13	..	453
Other Non-metal (excluding Fuel) Mining (d)				1,002	420	5	51	(b)	(b)	(b)	..	..	1,031
<u>Total Non-metal (excluding Fuel) Mining (d)</u>				3,574	1,220	501	375	644	597	125	13	..	3,475
<u>Total All Mining (d)</u>	..	..		42,519	19,365	2,548	7,947	1,294	7,093	2,521	452	..	41,220
<u>Construction Material Quarrying (d)</u>													
	..	..		6,160	1,776	2,083	559	1,102	382	329	76	62	6,369
<u>TOTAL ALL MINING AND QUARRYING (d)</u>	..	..		48,679	21,141	4,631	8,506	2,396	7,475	2,850	528	62	47,589

(a) See definition on page 5. (b) Not available for publication. (c) Includes persons engaged by one mine which has both underground and open-cut workings. (d) Incomplete; see Scope of Statistics on pages 4 and 5.

TABLE 9. - MINING AND QUARRYING : AVERAGE NUMBER OF PERSONS EMPLOYED DURING WHOLE YEAR (a), 1962

(All Mines and Quarries)

Industry			N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining</u>											
Gold Mining	..	..	15	220	132	..	4,796	..	127	..	5,290
Silver-Lead-Zinc Mining	..	..	4,652	..	(b)	(b)	5	(b)	..	..	7,958
Copper-Gold Mining	..	..	100	4	(b)	(b)	172	(b)	234	..	2,242
Tin Mining	..	..	103	5	499	..	57	468	25	..	1,157
Mineral Sands Mining	..	..	869	..	(b)	..	(b)	..	..	..	1,408
Other Metal Mining	..	..	28	6	8	(b)	342	(b)	2	..	968
<u>Total Metal Mining</u>	..	..	5,767	235	4,507	(b)	(b)	2,156	388	..	19,023
<u>Fuel Mining</u>											
Black Coal Mining -											
Underground	..	..	11,842	303	2,632	..	(b)	}(c)219{	..	..	(b)
Openout	..	..	156	..	216	(b)	(b)		..	..	(b)
<u>Total Black Coal Mining</u>	..	..	11,998	303	2,848	(b)	(b)	219	..	..	16,312
Brown Coal Mining	..	..	..	1,453	..	..	..	..	..	..	1,453
<u>Total Fuel Mining</u>	..	..	11,998	1,756	2,848	(b)	(b)	219	..	..	17,765
<u>Non-metal (excluding Fuel) Mining</u>											
Clays (d)	..	..	406	84	48	88	65	23	..	..	714
Gypsum	..	..	32	(b)	..	(b)	13	..	..	..	174
Limestone	..	..	349	130	(b)	141	(b)	(b)	..	..	890
Salt	..	..	..	(b)	(b)	112	(b)	..	4	..	187
Other Non-metal (excluding Fuel) Mining (d)	..	..	328	2	25	(b)	(b)	(b)	..	..	873
<u>Total Non-metal (excluding Fuel) Mining (d)</u>	..	..	1,115	283	253	543	533	107	4	..	2,838
<u>Total All Mining (d)</u>	..	..	18,880	2,274	7,608	1,183	6,807	2,482	392	..	39,626
<u>Construction Material Quarrying (d)</u>	..	..	1,776	1,933	456	853	246	244	32	59	5,599
<u>TOTAL ALL MINING AND QUARRYING (d)</u>	..	..	20,656	4,207	8,064	2,036	7,053	2,726	424	59	45,225

(a) See definition on page 5. (b) Not available for publication. (c) Includes persons engaged by one mine which has both underground and openout workings. (d) Incomplete; see Scope of Statistics on pages 4 and 5.

TABLE 10. - MINING AND QUARRYING : AVERAGE NUMBER OF PERSONS EMPLOYED DURING WHOLE YEAR (a) : AUSTRALIA

(All Mines and Quarries)

Industry			1958	1959	1960	1961	1962
<u>Metal Mining</u>							
Gold Mining	..	..	5,901	5,948	5,544	5,438	5,290
Silver-Lead-Zinc Mining	..	..	9,461	9,031	8,731	8,158	7,958
Copper-Gold Mining	..	..	2,057	2,301	2,364	2,322	2,242
Tin Mining	..	..	944	926	946	1,131	1,157
Mineral Sands Mining	..	..	1,102	1,019	1,127	1,141	1,408
Other Metal Mining	..	..	1,030	1,031	1,177	1,097	968
<u>Total Metal Mining</u>	..	..	20,495	20,256	19,889	19,287	19,023
<u>Fuel Mining</u>							
Black Coal Mining	..	..	20,795	18,678	18,529	16,957	16,312
Brown Coal Mining	..	..	1,540	1,519	1,399	1,441	1,453
<u>Total Fuel Mining</u>	..	..	22,335	20,197	19,928	18,398	17,765
<u>Non-metal (excluding Fuel) Mining</u>							
Clays (b)	..	..	734	923	858	794	714
Gypsum	..	..	171	171	170	172	174
Limestone	..	..	939	878	911	916	890
Salt	..	..	159	220	219	180	167
Other Non-metal (excluding Fuel) Mining (b)	..	..	725	783	767	880	873
<u>Total Non-metal (excluding Fuel) Mining (b)</u>	..	..	2,728	2,975	2,925	2,942	2,838
<u>Total All Mining (b)</u>	..	..	45,558	43,428	42,742	40,627	39,626
<u>Construction Material Quarrying (b)</u>	..	..	4,581	4,116	5,016	(c)5,498	5,599
<u>TOTAL ALL MINING AND QUARRYING (b)</u>	..	..	50,139	47,544	47,758	46,125	45,225

(a) See definition on page 5. (b) Incomplete; see Scope of Statistics on pages 4 and 5. (c) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

TABLE 11. - MINING AND QUARRYING : WORKING PROPRIETORS, SALARIED STAFF AND WAGE EARNERS ON LAST FULL WORKING DAY :
AUSTRALIA

(Excluding Mines and Quarries employing less than four persons)

Industry	1961		1962						
	Total Persons Employed	Working Proprie- tors	Salaried Staff		Wage Earners		Total Persons Employed		
			Above Ground	Below Ground	Above Ground	Below Ground	Males	Females	Total
<u>Metal Mining</u>									
Gold Mining	5,027	27	416	220	1,850	2,497	4,944	66	5,010
Silver-Lead-Zinc Mining	8,478	1	1,185	475	2,739	3,452	7,683	169	7,852
Copper-Gold Mining	2,166	9	289	21	1,551	287	2,105	52	2,157
Tin Mining	814	34	70	9	486	246	836	9	845
Mineral Sands Mining	1,242	3	169	..	1,359	..	1,477	54	1,531
Other Metal Mining	1,094	3	111	8	679	70	844	27	871
<u>Total Metal Mining</u>	18,821	77	2,240	733	8,664	6,552	17,889	377	18,266
<u>Fuel Mining</u>									
Black Coal Mining	16,750	59	815	216	4,854	10,225	16,063	106	16,169
Brown Coal Mining	1,503	1	211	..	1,190	4	1,397	9	1,406
<u>Total Fuel Mining</u>	18,253	60	1,026	216	6,044	10,229	17,460	115	17,575
<u>Non-metal (excluding Fuel) Mining</u>									
Clays (a)	458	20	15	2	323	16	373	3	376
Gypsum	140	5	10	..	125	..	138	2	140
Limestone	862	9	68	..	758	..	832	3	835
Salt	145	3	11	..	101	..	113	2	115
Other Non-metal (excluding Fuel) Mining (a)	802	16	30	14	426	195	675	6	681
<u>Total Non-metal (excluding Fuel) Mining (a)</u>	2,407	53	134	16	1,733	211	2,131	16	2,147
<u>Total All Mining (a)</u>	39,481	190	3,400	965	16,441	16,992	37,480	508	37,988
<u>Construction Material Quarrying (a)</u>	4,951	143	274	..	3,228	..	3,577	68	(b)4,968
<u>TOTAL ALL MINING AND QUARRYING (a)</u>	44,432	333	3,674	965	19,669	16,992	41,057	576	(b)42,956

(a) Incomplete; see Scope of Statistics on pages 4 and 5.
employment categories shown is not available.

(b) Includes 1,323 persons in New South Wales for whom a distribution into the

TABLE 12. - MINING AND QUARRYING : SALARIES AND WAGES PAID (a), 1962

(Excluding Mines and Quarries employing less than four persons)

(£'000)

Industry	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining</u>									
Gold Mining	..	(b)	(b)	..	5,931	..	262	..	6,534
Silver-Lead-Zinc Mining	7,311	..	(b)	..	(b)	(b)	..	..	12,492
Copper-Gold Mining	127	..	(b)	..	205	(b)	449	..	2,851
Tin Mining	59	..	278	..	77	626	10	..	1,050
Mineral Sands Mining	1,076	..	(b)	..	(b)	..	..	..	1,739
Other Metal Mining	16	(b)	(b)	(b)	396	(b)	..	..	1,188
<u>Total Metal Mining</u>	8,589	264	5,962	(b)	(b)	2,967	721	..	25,854
<u>Fuel Mining</u>									
Black Coal Mining	18,786	370	3,987	(b)	(b)	313	..	..	24,849
Brown Coal Mining	..	1,971	..	..	..	..	..	..	1,971
<u>Total Fuel Mining</u>	18,786	2,341	3,987	(b)	(b)	313	..	..	26,820
<u>Non-metal (excluding Fuel) Mining</u>									
Clays (c)	235	84	..	59	46	11	..	..	435
Gypsum	25	11	..	(b)	(b)	..	..	..	161
Limestone	423	218	(b)	181	(b)	81	..	..	1,150
Salt	..	(d)	(b)	(b)	(b)	..	4	..	(e) 150
Other Non-metal (excluding Fuel) Mining (c)	206	..	(b)	87	(b)	..	..	..	1,003
<u>Total Non-metal (excluding Fuel) Mining (c)</u>	889	313	254	577	770	92	4	..	2,899
<u>Total All Mining (c)</u>	28,264	2,918	10,203	1,453	8,638	3,372	725	..	55,573
<u>Construction Material Quarrying (c)</u>	(d)	2,424	490	858	286	218	35	70	(e) 4,381
<u>TOTAL ALL MINING AND QUARRYING (c)</u>	28,264	5,342	10,693	2,311	8,924	3,590	760	70	59,954

(a) See definition on page 5. (b) Not available for publication. (c) Incomplete; see Scope of Statistics on pages 4 and 5. (d) Not available. (e) Incomplete, refer to footnote (d).

TABLE 13. - MINING AND QUARRYING : SALARIES AND WAGES PAID (a) : AUSTRALIA

(Excluding Mines and Quarries employing less than four persons)

(£'000)

Industry		1958	1959	1960	1961	1962
<u>Metal Mining</u>						
Gold Mining	..	6,492	6,504	6,655	6,591	6,534
Silver-Lead-Zinc Mining	..	13,462	13,944	13,555	13,261	12,492
Copper-Gold Mining	..	2,362	2,710	2,938	2,915	2,851
Tin Mining	..	737	814	905	946	1,050
Mineral Sands Mining	..	1,327	1,188	1,336	1,474	1,739
Other Metal Mining	..	1,108	1,058	1,338	1,277	1,188
<u>Total Metal Mining</u>	..	25,488	26,218	26,727	26,464	25,854
<u>Fuel Mining</u>						
Black Coal Mining	..	24,501	23,437	25,918	25,460	24,849
Brown Coal Mining	..	1,694	1,710	1,785	1,923	1,971
<u>Total Fuel Mining</u>	..	26,195	25,147	27,703	27,383	26,820
<u>Non-metal (excluding Fuel) Mining</u>						
Clays (b)	..	361	490	515	481	435
Gypsum	..	147	157	151	165	161
Limestone	..	991	953	1,048	1,166	1,150
Salt	..	180	194	184	153	150
Other Non-metal (excluding Fuel) Mining (b)	..	705	837	766	910	1,003
<u>Total Non-metal (excluding Fuel) Mining (b)</u>	..	2,384	2,631	2,664	2,875	2,899
<u>Total All Mining (b)</u>	..	54,067	53,996	57,094	56,722	55,573
<u>Construction Material Quarrying (b)</u>	..	3,241	3,490	3,628	(c) 4,018	4,381
<u>TOTAL ALL MINING AND QUARRYING (b)</u>	..	57,308	57,486	60,722	60,740	59,954

(a) See definition on page 5. (b) Incomplete; see Scope of Statistics on pages 4 and 5. (c) Not strictly comparable with previous years.
See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

TABLE 14. - MINING AND QUARRYING : SALARIES AND WAGES PAID (a)

(Excluding Mines and Quarries employing less than four persons)

(£'000)

Industry and Item	1961									
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining</u>										
Salaries	5,426	2,067	34	1,597	(b)	(b)	436	129	..	5,330
Wages	21,038	6,522	230	4,365	(b)	(b)	2,531	592	..	20,524
<u>Total Salaries and Wages</u> ..	26,464	8,589	264	5,962	(b)	(b)	2,967	721	..	25,854
<u>Fuel Mining</u>										
Salaries	2,137	1,385	390	338	(b)	(b)	25	..	..	2,256
Wages	25,246	17,401	1,951	3,649	(b)	(b)	288	..	..	24,564
<u>Total Salaries and Wages</u> ..	27,383	18,786	2,341	3,987	(b)	(b)	313	..	..	26,820
<u>Non-metal (excluding Fuel) Mining (c)</u>										
Salaries	252	58	43	10	72	75	7	..	..	265
Wages	2,623	831	270	244	505	695	85	4	..	2,634
<u>Total Salaries and Wages</u> ..	2,875	889	313	254	577	770	92	4	..	2,899
<u>Construction Material Quarrying (c)</u>										
Salaries	335	(a)	219	23	64	36	14	..	13	(e) 369
Wages	3,683	(d)	2,205	467	794	250	204	35	57	(e) 4,012
<u>Total Salaries and Wages</u> ..	4,018	(d)	2,424	490	858	286	218	35	70	(e) 4,381
<u>Total All Mining and Quarrying (c) (e)</u> ..										
Salaries -										
Males	7,898	3,388	665	1,942	258	1,122	467	123	13	7,978
Females	252	122	21	26	17	35	15	6	..	242
<u>Total Salaries</u>	8,150	3,510	686	1,968	275	1,157	482	129	13	8,220
Wages -										
Males	52,447	24,704	4,649	8,630	2,033	7,744	3,106	629	57	51,552
Females	143	50	7	95	3	23	2	2	(f)	182
<u>Total Wages</u>	52,590	24,754	4,656	8,725	2,036	7,767	3,108	631	57	51,734
<u>Total Salaries and Wages</u> ..	60,740	28,264	5,342	10,693	2,311	8,924	3,590	760	70	59,954

(a) See definition on page 5. (b) Not available for publication. (c) Incomplete; see Scope of Statistics on pages 4 and 5. (d) Not available. (e) Incomplete, refer to footnote (d). (f) Less than £500.

TABLE 15. - MINING AND QUARRYING : VALUE OF POWER, FUEL AND LIGHT USED

(Excluding Mines and Quarries employing less than four persons)

(£'000)

Industry	1961		1962							
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining</u>										
Gold Mining ..	1,802	..	(a)	(a)	..	1,677	..	28	..	1,784
Silver-Lead-Zinc Mining ..	2,232	1,239	..	(a)	..	(a)	(a)	..	..	2,276
Copper-Gold Mining ..	537	..	..	(a)	..	64	(a)	90	..	497
Tin Mining ..	191	11	..	114	..	31	55	3	..	214
Mineral Sands Mining ..	531	384	..	(a)	..	(a)	..	..	..	590
Other Metal Mining ..	303	2	(a)	(a)	(a)	159	(a)	..	..	321
<u>Total Metal Mining</u> ..	5,596	1,636	61	1,435	(a)	(a)	300	121	..	5,682
<u>Fuel Mining</u>										
Black Coal Mining ..	2,617	2,253	57	284	(a)	(a)	24	..	..	2,784
Brown Coal Mining ..	268	..	314	..	..	..	..	..	..	314
<u>Total Fuel Mining</u> ..	2,885	2,253	371	284	(a)	(a)	24	..	..	3,098
<u>Non-metal (excluding Fuel) Mining</u>										
Clays (b) ..	75	30	32	..	4	13	1	..	..	80
Gypsum ..	33	9	5	..	(a)	(a)	..	..	..	43
Limestone ..	214	65	43	(a)	32	(a)	11	..	..	199
Salt ..	35	..	(c)	(a)	(a)	(a)	..	(d)	..	(e) 35
Other Non-metal (excluding Fuel) Mining (b) ..	219	32	..	(a)	10	(a)	..	..	..	277
<u>Total Non-metal (excluding Fuel) Mining (b)</u> ..	576	136	80	51	103	252	12	(d)	..	634
<u>Total All Mining (b)</u> ..	9,057	4,025	512	1,770	278	2,372	336	121	..	9,414
<u>Construction Material Quarrying (b)</u> ..	846	(c)	581	59	170	73	44	11	13	(e) 951
<u>TOTAL ALL MINING AND QUARRYING (b)</u> ..	9,903	4,025	1,093	1,829	448	2,445	380	132	13	10,365

(a) Not available for publication. (b) Incomplete; see Scope of Statistics on pages 4 and 5. (c) Not available. (d) Less than £500.

(e) Incomplete, refer to footnote (c).

TABLE 16. - MINING AND QUARRYING : VALUE OF POWER, FUEL AND LIGHT USED BY TYPE OF FUEL, ETC. : AUSTRALIA, 1962

(Excluding Mines and Quarries employing less than four persons)

(£'000)

Industry	Coal	Coke	Wood	Fuel Oil, Petrol, etc.	Electricity Purchased	Other (a)	Total
<u>Metal Mining</u>							
Gold Mining	1	5	50	208	1,520	..	1,784
Silver-Lead-Zinc Mining	(b)	11	1	28	2,054	182	2,276
Copper-Gold Mining	12	2	..	147	336	..	497
Tin Mining	(b)	(b)	5	55	154	(b)	214
Mineral Sands Mining	11	(b)	19	183	377	(b)	590
Other Metal Mining	..	(b)	(b)	111	182	28	321
<u>Total Metal Mining</u>	24	18	75	732	4,623	210	5,682
<u>Fuel Mining</u>							
Black Coal Mining	132	(b)	(b)	226	2,426	(b)	2,784
Brown Coal Mining	..	..	..	31	283	..	314
<u>Total Fuel Mining</u>	132	(b)	(b)	257	2,709	(b)	3,098
<u>Non-metal (excluding Fuel) Mining</u>							
Clays (c)	..	..	..	14	11	15	(d) 80
Gypsum	..	..	..	42	1	..	43
Limestone	18	(b)	4	93	84	..	199
Salt	..	..	..	10	25	..	35
Other Non-metal (excluding Fuel) Mining (c)	..	(b)	2	63	212	(b)	277
<u>Total Non-metal (excluding Fuel) Mining (c)</u>	18	(b)	6	222	333	15	(d) 634
<u>Total All Mining (c)</u>	174	18	81	1,211	7,665	225	(d) 9,414
<u>Construction Material Quarrying (c)</u> ..	(b)	(b)	1	517	401	32	951
<u>TOTAL ALL MINING AND QUARRYING (c)..</u>	174	18	82	1,728	8,066	257	(d) 10,365

(a) Compressed air purchased, etc. (b) Less than £500. (c) Incomplete; see Scope of Statistics on pages 4 and 5. (d) Includes £30,000 for New South Wales and £10,000 for Western Australia which are not available for distribution by items.

TABLE 17. - MINING AND QUARRYING : VALUE OF MATERIALS AND STORES USED (OTHER THAN POWER, FUEL AND LIGHT) (a)

(Excluding Mines and Quarries employing less than four persons)

(£'000)

Industry	1961		1962							
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining</u>										
Gold Mining	3,174	..	(b)	(b)	..	2,915	..	99	..	3,159
Silver-Lead-Zinc Mining	8,071	3,254	..	(b)	..	(b)	(b)	..	..	6,242
Copper-Gold Mining	2,951	..	..	(b)	..	111	(b)	336	..	2,878
Tin Mining	403	10	..	195	..	53	148	9	..	415
Mineral Sands Mining	1,266	612	..	(b)	..	(b)	..	..	..	1,248
Other Metal Mining	946	5	(b)	(b)	(b)	290	(b)	..	..	916
<u>Total Metal Mining</u>	16,811	3,881	101	4,380	(b)	(b)	2,083	444	..	14,858
<u>Fuel Mining</u>										
Black Coal Mining	9,791	8,803	40	1,143	(b)	(b)	81	..	..	10,556
Brown Coal Mining	354	..	358	..	..	..	..	..	..	358
<u>Total Fuel Mining</u>	10,145	8,803	398	1,143	(b)	(b)	81	..	..	10,914
<u>Non-metal (excluding Fuel) Mining</u>										
Clays (c)	247	227	42	..	11	24	2	..	..	306
Gypsum	91	15	6	..	(b)	(b)	..	..	..	82
Limestone	843	289	204	(b)	137	(b)	118	..	..	936
Salt	89	..	(d)	(b)	(b)	(b)	..	1	..	(e) 114
Other Non-metal (excluding Fuel) Mining (c)	537	75	..	(b)	36	(b)	..	..	..	579
<u>Total Non-metal (excluding Fuel) Mining (c)</u>	1,807	606	252	201	339	498	120	1	..	2,017
<u>Total All Mining (c)</u>	28,763	13,290	751	5,724	980	4,315	2,284	445	..	27,789
<u>Construction Material Quarrying (c)</u>	3,758	(d)	1,866	376	517	303	95	33	78	(e) 3,268
<u>TOTAL ALL MINING AND QUARRYING (c)</u>	32,521	13,290	2,617	6,100	1,497	4,618	2,379	478	78	31,057

(a) Includes value of explosives sold to employees. (b) Not available for publication (c) Incomplete; see Scope of Statistics on pages 4 and 5. (d) Not available. (e) Incomplete, refer to footnote (d).

TABLE 18. - MINING AND QUARRYING : VALUE OF MATERIALS AND STORES USED (OTHER THAN POWER, FUEL AND LIGHT)

BY TYPE OF MATERIALS, ETC. : AUSTRALIA, 1962

(Excluding Mines and Quarries employing less than four persons)
(£'000)

Industry	Timber	Explosives		Other Materials and Stores (a)	Total
		Sold to Employees	Other		
<u>Metal Mining</u>					
Gold Mining	138	17	609	2,395	3,159
Silver-Lead-Zinc Mining	1,141	288	159	4,654	6,242
Copper-Gold Mining	9	22	298	2,549	2,878
Tin Mining	34	5	27	349	415
Mineral Sands Mining	1	..	2	1,245	1,248
Other Metal Mining	3	7	118	788	916
<u>Total Metal Mining</u>	1,326	339	1,213	11,980	14,858
<u>Fuel Mining</u>					
Black Coal Mining	1,514	108	992	7,942	10,556
Brown Coal Mining	(b)	..	(b)	358	358
<u>Total Fuel Mining</u>	1,514	108	992	8,300	10,914
<u>Non-metal (excluding Fuel) Mining</u>					
Clays (c)	2	..	3	58	(d) 306
Gypsum	(b)	..	17	65	82
Limestone	(b)	..	176	760	936
Salt	..	..	(b)	114	114
Other Non-metal (excluding Fuel) Mining (c)	3	66	34	476	579
<u>Total Non-metal (excluding Fuel) Mining (c)</u>	5	66	230	1,473	(d) 2,017
<u>Total All Mining (c)</u>	2,845	513	2,435	21,753	(d) 27,789
<u>Construction Material quarrying (c)</u>	6	..	706	2,556	3,268
<u>TOTAL ALL MINING AND QUARRYING (c)</u>	2,851	513	3,141	24,309	(d) 31,057

(a) Includes mining and ore dressing materials and stores, repairs, water, lubricating oil, etc. (b) Less than £500. (c) Incomplete; see Scope of Statistics on pages 4 and 5. (d) Includes £227,000 for New South Wales and £16,000 for Western Australia which are not available for distribution by items.

TABLE 19. - MINING AND QUARRYING : VALUE OF POWER, FUEL, LIGHT, MATERIALS AND STORES, ETC. USED, 1962

(All Mines and Quarries)

(£'000)

Industry			N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining</u>											
Gold Mining	..	..	1	(a)	(a)	(a)	4,592	..	127	..	4,947
Silver-Lead-Zinc Mining	..	..	4,493	..	(a)	(a)	12	(a)	..	..	8,529
Copper-Gold Mining	..	..	8	1	(a)	(a)	175	(a)	426	..	3,384
Tin Mining	..	..	25	1	309	..	84	206	12	..	637
Mineral Sands Mining	..	..	996	..	(a)	..	(a)	..	..	..	1,838
Other Metal Mining	..	..	12	(a)	9	(a)	449	(a)	(b)	..	(c) 1,242
<u>Total Metal Mining</u>	..	..	5,535	167	5,815	(a)	(a)	2,386	565	..	20,577
<u>Fuel Mining</u>											
Black Coal Mining	..	..	11,059	97	1,427	(a)	(a)	108	..	..	13,346
Brown Coal Mining	..	..	..	672	..	..	..	..	..	..	672
<u>Total Fuel Mining</u>	..	..	11,059	769	1,427	(a)	(a)	108	..	..	14,018
<u>Non-metal (excluding Fuel) Mining</u>											
Clays (d)	..	..	257	91	(b)	29	50	6	..	..	(c) 433
Gypsum	..	..	35	19	..	(a)	(a)	..	..	..	155
Limestone	..	..	356	261	(a)	176	(a)	(a)	..	..	1,169
Salt	..	..	..	(b)	(a)	167	(a)	..	1	..	(c) 192
Other Non-metal (excluding Fuel) Mining (d)	..	..	113	(e)	2	(a)	(a)	(a)	..	..	869
<u>Total Non-metal (excluding Fuel) Mining (d)</u>	..	..	761	371	252	515	779	139	1	..	2,818
<u>Total All Mining (d)</u>	..	..	17,355	1,307	7,494	1,332	6,726	2,633	566	..	37,413
<u>Construction Material Quarrying (d)</u>			(b)	2,504	460	848	397	153	44	94	(c) 4,500
<u>TOTAL ALL MINING AND QUARRYING (d)</u>	..	..	17,355	3,811	7,954	2,180	7,123	2,786	610	94	41,913

(a) Not available for publication. (b) Not available. (c) Incomplete; refer to footnote (b). (d) Incomplete; see Scope of Statistics on pages 4 and 5. (e) Less than £500.

TABLE 20. - MINING AND QUARRYING : VALUE OF POWER, FUEL, LIGHT, MATERIALS AND STORES, ETC. USED : AUSTRALIA

(All Mines and Quarries)

(£'000)

Industry			1958	1959	1960	1961	1962
<u>Metal Mining</u>							
Gold Mining	..	..	4,970	5,069	4,909	4,979	4,947
Silver-Lead-Zinc Mining	..	..	10,025	10,367	12,106	10,303	8,529
Copper-Gold Mining	..	..	2,969	3,325	3,288	3,503	3,384
Tin Mining	..	..	521	512	530	601	637
Mineral Sands Mining	..	..	1,281	1,348	1,562	1,797	1,838
Other Metal Mining	..	..	1,004	924	1,109	1,258	1,242
<u>Total Metal Mining</u>	..	..	20,770	21,545	23,504	22,441	20,577
<u>Fuel Mining</u>							
Black Coal Mining	..	..	10,536	10,166	11,319	12,409	13,346
Brown Coal Mining	..	..	612	593	623	622	672
<u>Total Fuel Mining</u>	..	..	11,148	10,759	11,942	13,031	14,018
<u>Non-metal (excluding Fuel) Mining</u>							
Clays (a)	..	..	247	398	374	356	433
Gypsum	..	..	180	129	141	152	155
Limestone	..	..	1,191	969	1,062	1,078	1,169
Salt	..	..	158	192	141	150	192
Other Non-metal (excluding Fuel) Mining (a)	..	..	613	671	622	772	869
<u>Total Non-metal (excluding Fuel) Mining (a)</u>	..	..	2,389	2,359	2,340	2,508	2,818
<u>Total All Mining (a)</u>	..	..	34,307	34,663	37,786	37,980	37,413
<u>Construction Material Quarrying (a)</u>	..	..	3,312	4,167	4,427	(b)4,926	4,500
<u>TOTAL ALL MINING AND QUARRYING (a)</u>	..	..	37,619	38,830	42,213	42,906	41,913

(a) Incomplete; see Scope of Statistics on pages 4 and 5. (b) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

TABLE 21. - MINING AND QUARRYING : VALUE OF OUTPUT (a), 1962

(All Mines and Quarries)

(£'000)

Industry	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining</u>									
Gold Mining ..	7	473	231	1	14,148	(b)	926	..	15,786
Silver-Lead-Zinc Mining ..	17,494	..	(c)	4	14	(c)	..	..	41,342
Copper-Gold Mining ..	26	3	(c)	(b)	287	(c)	1,548	..	7,842
Tin Mining ..	211	8	1,107	..	334	1,220	35	..	2,915
Mineral Sands Mining ..	3,005	..	1,775	..	715	..	..	..	5,495
Other Metal Mining ..	81	16	(c)	4,571	2,277	(c)	2	..	7,524
<u>Total Metal Mining</u> ..	20,824	500	27,493	4,576	17,775	7,225	2,511	..	80,904
<u>Fuel Mining</u>									
Black Coal Mining ..	47,034	316	8,143	1,449	1,981	616	..	..	59,539
Brown Coal Mining ..	..	7,841	..	..	..	..	..	..	7,841
<u>Total Fuel Mining</u> ..	47,034	8,157	8,143	1,449	1,981	616	..	..	67,380
<u>Non-metal (excluding Fuel) Mining</u>									
Clays (d) ..	1,110	1,121	100	239	161	49	..	..	2,780
Gypsum ..	137	82	..	499	45	..	..	..	763
Limestone ..	1,270	610	(c)	1,087	(c)	(c)	..	..	3,973
Salt ..	..	(c)	(c)	779	(c)	..	13	..	1,023
Other Non-metal (excluding Fuel) Mining (d)	718	(c)	27	1,269	1,581	(c)	..	..	3,618
<u>Total Non-metal (excluding Fuel) Mining (d)</u>	3,235	1,968	751	3,873	1,960	357	13	..	12,157
<u>Total All Mining (d)</u> ..	71,093	10,625	36,387	9,898	21,716	8,198	2,524	..	160,441
<u>Construction Material Quarrying (d)</u> ..	8,871	9,383	1,490	5,489	1,529	705	158	281	27,906
<u>TOTAL ALL MINING AND QUARRYING (d)</u>	79,964	20,008	37,877	15,387	23,245	8,903	2,682	281	188,347

(a) See definition on page 6. (b) Less than £500. (c) Not available for publication. (d) Incomplete; see Scope of Statistics on pages 4 and 5.

TABLE 22. - MINING AND QUARRYING : VALUE OF OUTPUT (a) : AUSTRALIA

(All Mines and Quarries)

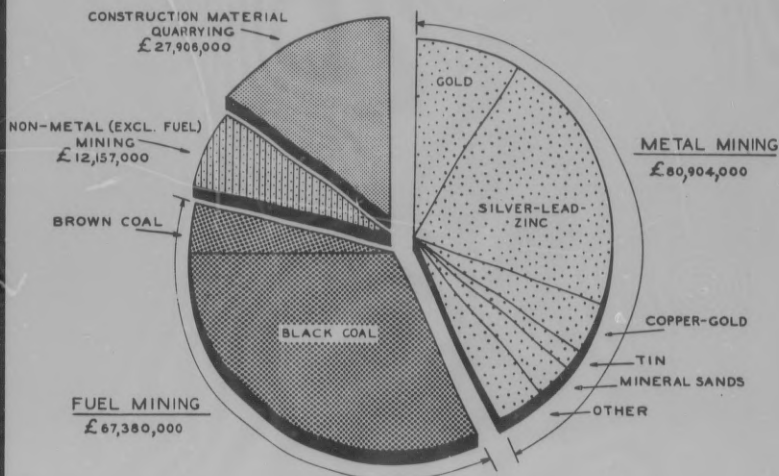
(£'000)

Industry			1958	1959	1960	1961	1962
<u>Metal Mining</u>							
Gold Mining	..	..	16,301	15,918	15,952	15,952	15,786
Silver-Lead-Zinc Mining	..	..	33,414	40,294	45,457	35,633	41,342
Copper-Gold Mining	..	..	6,704	7,546	8,411	8,051	7,842
Tin Mining	..	..	1,788	2,175	2,119	2,940	2,915
Mineral Sands Mining	..	..	5,340	5,132	4,984	5,165	5,495
Other Metal Mining	..	..	6,643	6,457	6,900	8,348	7,524
<u>Total Metal Mining</u>	..	..	70,190	77,522	83,823	76,089	80,904
<u>Fuel Mining</u>							
Black Coal Mining	..	..	51,658	49,211	55,201	57,081	59,539
Brown Coal Mining	..	..	5,418	6,123	6,845	7,722	7,841
<u>Total Fuel Mining</u>	..	..	57,076	55,334	62,046	64,803	67,380
<u>Non-metal (excluding Fuel) Mining</u>							
Clays (b)	..	..	2,629	2,878	2,923	2,687	2,780
Gypsum	..	..	656	640	710	766	763
Limestone	..	..	3,673	3,145	3,356	3,609	3,973
Salt	..	..	878	1,023	959	999	1,023
Other Non-metal (excluding Fuel) Mining (b)	..	..	2,324	2,869	2,918	3,433	3,618
<u>Total Non-metal (excluding Fuel) Mining (b)</u>	..	..	10,160	10,555	10,866	11,494	12,157
<u>Total All Mining (b)</u>	..	..	137,426	143,411	156,735	152,386	160,441
<u>Construction Material Quarrying (b)</u>			18,529	21,574	24,505	(c) 27,765	27,906
<u>TOTAL ALL MINING AND QUARRYING (b)</u>	..	..	155,955	164,985	181,240	180,151	188,347

(a) See definition on page 6. (b) Incomplete; see Scope of Statistics on pages 4 and 5. (c) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

MINING AND QUARRYING, AUSTRALIA

VALUE OF OUTPUT, 1962 £188,347,000



VALUE OF OUTPUT, 1958 TO 1962

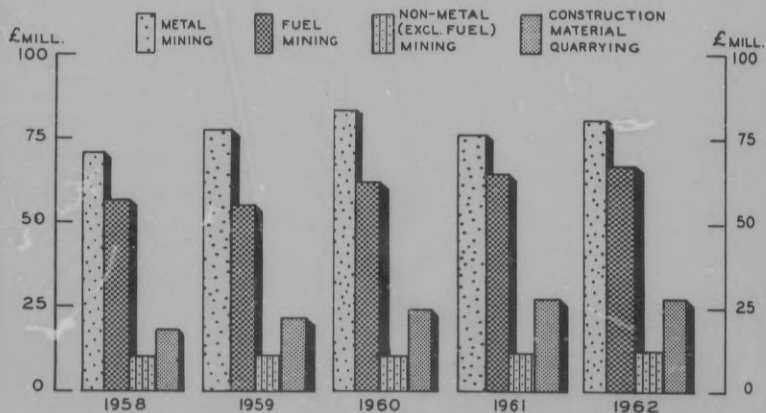


TABLE 23. - MINING AND QUARRYING : VALUE OF PRODUCTION (a), 1962

(All Mines and Quarries)

(£'000)

Industry	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining</u>									
Gold Mining ..	6	(b)	(b)	(b)	9,556	(c)	799	..	10,839
Silver-Lead-Zinc Mining ..	13,001	..	(b)	(b)	2	(b)	..	..	32,813
Copper-Gold Mining ..	18	2	(b)	(b)	112	(b)	1,122	..	4,458
Tin Mining ..	186	7	798	..	250	1,014	23	..	2,278
Mineral Sands Mining ..	2,009	..	(b)	..	(b)	..	..	..	3,657
Other Metal Mining ..	69	(b)	(b)	(b)	1,828	(b)	(d) 2	..	(e) 6,282
<u>Total Metal Mining</u> ..	15,289	333	21,678	(b)	(b)	4,839	1,946	..	60,327
<u>Fuel Mining</u>									
Black Coal Mining ..	35,975	219	6,716	(b)	(b)	508	..	..	46,193
Brown Coal Mining ..	..	7,169	..	..	..	..	..	..	7,169
<u>Total Fuel Mining</u> ..	35,975	7,388	6,716	(b)	(b)	508	..	..	53,362
<u>Non-metal (excluding Fuel) Mining</u>									
Clays (f) ..	853	1,030	(d) 100	210	111	43	..	..	(e) 2,347
Gypsum ..	102	63	..	(b)	(b)	..	..	..	608
Limestone ..	914	349	(b)	911	(b)	(b)	..	..	2,804
Salt ..	..	(b)	(b)	612	(b)	..	12	..	(g) 831
Other Non-metal (excluding Fuel) Mining (f)	605	(b)	25	(b)	(b)	(b)	..	..	2,749
<u>Total Non-metal (excluding Fuel) Mining (f)</u>	2,474	1,597	499	3,358	1,181	218	12	..	9,339
<u>Total All Mining (f)</u> ..	53,738	9,318	28,893	8,566	14,990	5,565	1,958	..	123,028
<u>Construction Material Quarrying (f)</u> ..	(d) 8,871	6,879	1,030	4,641	1,132	552	114	187	(e) 23,406
<u>TOTAL ALL MINING AND QUARRYING (f)</u> ..	62,609	16,197	29,923	13,207	16,122	6,117	2,072	187	146,434

(a) See definition on page 6. (b) Not available for publication. (c) Less than £500. (d) No allowance has been made for cost of power, fuel, light and materials and stores used, particulars for which are not available. (e) Refer to footnote (d). (f) Incomplete; see Scope of Statistics on pages 4 and 5. (g) No allowance has been made for cost of power, fuel, light and materials and stores used by the Salt Industry in Victoria as particulars are not available.

TABLE 24. - MINING AND QUARRYING : VALUE OF PRODUCTION (a) : AUSTRALIA

(All Mines and Quarries)

(£'000)

Industry			1958	1959	1960	1961	1962
<u>Metal Mining</u>							
Gold Mining	..	..	11,331	10,849	11,043	10,973	10,839
Silver-Lead-Zinc Mining	..	..	23,389	29,927	33,351	29,330	32,813
Copper-Gold Mining	..	..	3,735	4,221	5,123	4,548	4,458
Tin Mining	..	..	1,267	1,663	1,589	2,339	2,278
Mineral Sands Mining	..	..	4,059	3,784	3,422	3,368	3,657
Other Metal Mining	..	..	5,639	5,533	5,791	(b)7,090	(b)6,282
<u>Total Metal Mining</u>	..	..	49,420	55,977	60,319	53,648	60,327
<u>Fuel Mining</u>							
Black Coal Mining	..	..	41,122	39,045	43,882	44,672	46,193
Brown Coal Mining	..	..	4,806	5,530	6,222	7,100	7,169
<u>Total Fuel Mining</u>	..	..	45,928	44,575	50,104	51,772	53,362
<u>Non-metal (excluding Fuel) Mining</u>							
Clays (c)	..	..	2,382	(b)2,480	(b)2,549	(b)2,331	(b)2,347
Gypsum	..	..	476	511	569	614	608
Limestone	..	..	2,482	2,176	(b)2,294	2,531	2,804
Salt (b)	..	..	720	831	818	849	831
Other Non-metal (excluding Fuel) Mining (c)	..	..	1,711	(b)2,198	(b)2,296	(b)2,661	2,749
<u>Total Non-metal (excluding Fuel) Mining (c)</u>	..	..	7,771	8,196	8,526	8,986	9,339
<u>Total All Mining (c)</u>	..	..	103,119	108,748	118,949	114,406	123,028
<u>Construction Material Quarrying (b) (c)</u>			15,217	17,407	20,078	(d)22,839	23,406
<u>TOTAL ALL MINING AND QUARRYING (b)</u>	..	..	118,336	126,155	139,027	137,245	146,434

(a) See definition on page 6. (b) No allowance has been made in some States for cost of power, fuel, light and other materials and stores used, particulars for which are not available. For 1962, the States concerned are indicated by footnote (d) to Table No. 23. (c) Incomplete; see Scope of Statistics on pages 4 and 5. (d) Not strictly comparable with previous years. See reference in Scope of Statistics, page 5, relating to extension of coverage in Victoria.

**TABLE 25. - MINING AND QUARRYING : SALARIES AND WAGES PAID, VALUE OF POWER, FUEL AND LIGHT, MATERIALS USED
AND VALUE OF OUTPUT AND PRODUCTION (a) : AUSTRALIA, 1962**
(£'000)

Industry				Salaries and Wages Paid (b)	Power, Fuel and Light (b)	Other Materials and Stores (b)	Total Power, Fuel, Light, Materials (c)	Value of Output	Value of Production
<u>Metal Mining</u>									
Gold Mining	..	..		6,534	1,784	3,159	4,947	15,786	10,839
Silver-Lead-Zinc Mining	..	..		12,492	2,276	6,242	8,529	41,342	32,813
Copper-Gold Mining	..	..		2,851	497	2,878	3,384	7,842	4,458
Tin Mining	..	..		1,050	214	415	637	2,915	2,278
Mineral Sands Mining	..	..		1,739	590	1,248	1,838	5,495	3,657
Other Metal Mining	..	..		1,188	321	916	1,242	7,524	(d) 6,282
<u>Total Metal Mining</u>	..	..		25,854	5,682	14,858	20,577	80,904	60,327
<u>Fuel Mining</u>									
Black Coal Mining	..	..		24,849	2,784	10,556	13,346	59,539	46,193
Brown Coal Mining	..	..		1,971	314	358	672	7,841	7,169
<u>Total Fuel Mining</u>	..	..		26,820	3,098	10,914	14,018	67,380	53,362
<u>Non-metal (excluding Fuel) Mining</u>									
Clays (e)	..	..		435	80	306	433	2,780	(d) 2,347
Gypsum	..	..		161	43	82	155	763	608
Limestone	..	..		1,150	199	936	1,169	3,973	2,804
Salt	..	..		150	35	114	192	1,023	(d) 831
Other Non-metal (excluding Fuel) Mining (e)				1,003	277	579	869	3,618	2,749
<u>Total Non-metal (excluding Fuel) Mining (e)</u>				2,899	634	2,017	2,818	12,157	9,339
<u>Total All Mining (e)</u>	..	..		55,573	9,414	27,789	37,413	160,441	123,028
<u>Construction Material Quarrying (e)</u>									
	..	..		4,381	951	3,268	4,500	27,906	(d) 23,406
<u>TOTAL ALL MINING AND QUARRYING (e)</u>	..	..		59,954	10,365	31,057	41,913	188,347	146,434

(a) See definitions on pages 5 and 6. (b) Excludes mines and quarries employing less than four persons. (c) Includes mines and quarries employing less than four persons. For this reason the figures may exceed the total of the two preceding columns. (d) See footnote (d) to Table No. 23. (e) Incomplete; see Scope of Statistics on pages 4 and 5.

TABLE 26. - MINING AND QUARRYING : VALUE OF ADDITIONS AND REPLACEMENTS TO TOTAL FIXED ASSETS : 1962

(Excluding Mines and Quarries employing less than four persons)

(£'000)

Industry	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining</u>									
Gold Mining	..	(a)	(a)	..	1,337	(a)	172	..	1,608
Silver-Lead-Zinc Mining	921	..	(a)	..	(a)	(a)	..	..	3,523
Copper-Gold Mining	1,058	..	(a)	..	37	(a)	112	..	1,365
Tin Mining	11	..	101	..	57	97	4	..	270
Mineral Sands Mining	1,572	..	(a)	..	(a)	..	..	..	1,876
Other Metal Mining	24	(a)	(a)	(a)	1,815	(a)	..	..	2,577
<u>Total Metal Mining</u>	3,586	48	3,299	(a)	(a)	460	288	..	11,219
<u>Fuel Mining</u>									
Black Coal Mining	9,211	25	3,251	(a)	(a)	40	..	..	13,048
Brown Coal Mining	..	3,061	..	..	..	..	..	..	3,061
<u>Total Fuel Mining</u>	9,211	3,086	3,251	(a)	(a)	40	..	..	16,109
<u>Non-metal (excluding Fuel) Mining</u>									
Clays (b)	(c)	5	..	1	(d)	..	..	..	(e) 6
Gypsum	..	2	..	(a)	(a)	..	..	..	121
Limestone	39	13	(a)	91	(a)	11	..	..	191
Salt	..	(c)	(a)	(a)	(a)	..	..	..	(e) 47
Other Non-metal (excl. Fuel) Mining (b) ..	64	..	(a)	67	(a)	..	..	..	339
<u>Total Non-metal (excl. Fuel) Mining (b)</u>	103	20	37	310	223	11	..	..	704
<u>Total All Mining (b)</u>	12,900	3,154	6,587	705	3,887	511	288	..	28,032
<u>Construction Material Quarrying (b)</u> ..	(c)	1,088	(c)	608	12	179	48	16	(e) 1,951
<u>TOTAL ALL MINING AND QUARRYING (b)</u> ..	12,900	4,242	6,587	1,313	3,899	690	336	16	29,983

(a) Not available for publication. (b) Incomplete; see Scope of Statistics on pages 4 and 5. (c) Not available. (d) Less than £500.

(e) Incomplete; refer to footnote (c).

TABLE 27. - MINING AND QUARRYING : VALUE OF ADDITIONS AND REPLACEMENTS TO TOTAL FIXED ASSETS : AUSTRALIA

(Excluding Mines and Quarries employing less than four persons)

(£'000)

Industry	1958	1959	1960	1961	1962
<u>Metal Mining</u>					
Gold Mining	1,334	1,446	789	778	1,608
Silver-Lead-Zinc Mining	3,692	6,566	3,548	3,425	3,523
Copper-Gold Mining	540	651	451	845	1,365
Tin Mining	75	66	185	261	270
Mineral Sands Mining	894	787	481	728	1,876
Other Metal Mining	624	713	1,369	1,138	2,577
<u>Total Metal Mining</u>	7,159	10,229	6,823	7,175	11,219
<u>Fuel Mining</u>					
Black Coal Mining	7,912	7,707	10,947	11,535	13,048
Brown Coal Mining	2,309	3,654	1,914	2,723	3,061
<u>Total Fuel Mining</u>	10,221	11,361	12,861	14,258	16,109
<u>Non-metal (excluding Fuel) Mining</u>					
Clays (a)	55	46	57	38	6
Gypsum	82	99	41	92	121
Limestone	439	849	263	782	191
Salt	235	140	59	94	47
Other Non-metal (excl. Fuel) Mining (a)	472	320	168	268	339
<u>Total Non-metal (excl. Fuel) Mining (a)</u>	1,283	1,454	588	1,274	704
<u>Total All Mining (a)</u>	18,663	23,044	20,272	22,707	28,032
<u>Construction Material Quarrying (a)</u>	825	1,408	1,624	2,281	1,951
<u>TOTAL ALL MINING AND QUARRYING (a)</u>	19,488	24,452	21,896	24,988	29,983

(a) Incomplete; see Scope of Statistics on pages 4 and 5.

TABLE 28. - MINING AND QUARRYING : VALUE OF ADDITIONS AND REPLACEMENTS TO FIXED ASSETS

(Excluding Mines and Quarries employing less than four persons)

(£'000)

Industry	1961			1962							
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA	
ADDITIONS AND REPLACEMENTS TO LAND AND BUILDINGS											
Metal Mining	743	264	2	142	(a)	(a)	13	73	..	912	
Fuel Mining	1,192	486	100	207	(a)	(a)	..	..	..	953	
Non-metal (excluding Fuel) Mining (b)	177	13	..	1	21	34	3	..	..	72	
Construction Material Quarrying (b)	404	(c)	107	(c)	12	..	5	(a)	(a)	(d) 126	
<u>TOTAL ALL MINING AND QUARRYING (b)</u>	2,516	763	209	350	227	418	21	(a)	(a)	2,063	
ADDITIONS AND REPLACEMENTS TO PLANT AND MACHINERY											
Metal Mining	4,622	2,859	12	2,057	(a)	(a)	419	157	..	6,804	
Fuel Mining	10,964	6,364	2,725	2,984	(a)	(a)	40	..	..	12,451	
Non-metal (excluding Fuel) Mining (b)	1,011	64	17	35	268	113	8	..	..	505	
Construction Material Quarrying (b)	1,875	(c)	275	(c)	596	12	174	(a)	(a)	(d) 1,816	
<u>TOTAL ALL MINING AND QUARRYING (b)</u>	18,472	9,287	3,729	5,076	1,065	1,562	641	(a)	(a)	21,576	
ADDITIONS AND REPLACEMENTS TO MINE DEVELOPMENT											
Metal Mining	1,810	463	34	1,100	(a)	(a)	28	58	..	3,503	
Fuel Mining	2,102	2,361	261	60	(a)	(a)	..	..	..	2,705	
Non-metal (excluding Fuel) Mining (b)	86	26	3	1	21	76	..	..	..	127	
Construction Material Quarrying (b)	2	(c)	6	(c)	..	..	..	(a)	(a)	(d) 9	
<u>TOTAL ALL MINING AND QUARRYING (b)</u>	4,000	2,850	304	1,161	21	1,919	28	(a)	(a)	6,344	
ADDITIONS AND REPLACEMENTS TO TOTAL FIXED ASSETS											
Metal Mining	7,175	3,586	48	3,299	(a)	(a)	460	288	..	11,219	
Fuel Mining	14,258	9,211	3,086	3,251	(a)	(a)	40	..	..	16,109	
Non-metal (excluding Fuel) Mining (b)	1,274	103	20	37	310	223	11	..	..	704	
Construction Material Quarrying (b)	2,281	(c)	1,088	(c)	608	12	179	48	16	(d) 1,951	
<u>TOTAL ALL MINING AND QUARRYING (b)</u>	24,988	12,900	4,242	6,587	1,313	3,899	690	336	16	29,983	

(a) Not available for publication. (b) Incomplete; see Scope of Statistics on pages 4 and 5. (c) Not available. (d) Incomplete, refer to footnote (c).

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, A.C.T.

2ND MARCH, 1964

K.M. ARCHER

COMMONWEALTH STATISTICIAN

NOTE: Inquiries concerning these statistics may be made in Canberra by telephoning 41971 Extension 13 or, in each State capital, by telephoning the office of the Bureau of Census and Statistics.