

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS, CANBERRA
AUSTRALIA

STATISTICAL BULLETIN
MINING AND QUARRYING

NO. 1 - 1952

Prepared under instructions from the

Rt. Honorable the Treasurer

by

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P R E F A C E

This Bulletin, the first of a series of annual statistical bulletins on mining and quarrying operations in Australia, will supplement statistics already published by this Bureau on production, overseas trade, and consumption of minerals and metals.

The tables presented in this bulletin contain the first annual statistics collected from Australian mining and quarrying establishments on a substantially uniform basis. Industrial censuses of establishments in this industry (covering employment, salaries and wages paid, fixed assets, value of output, costs of materials used, etc.) have been taken in some States for many years but on different bases,

The 1952 collections were made by State Mines Departments or State Statisticians in the States and by the Mines Branch (Northern Territory Administration) in the Northern Territory.

Section 1 - Scope of Statistics and Definitions of Terms Used, sets out in some detail the bases on which the statistics have been collected and compiled.

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COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA, A.C.T.

6TH AUGUST, 1954

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I. SCOPE OF STATISTICS AND DEFINITIONS OF TERMS USED

(i) Period Covered By Returns. The period covered by statistics in this Bulletin is, in the main, the twelve months ended 31st December, 1952, but where a mine or quarry normally uses some other accounting period, a return for that period was generally accepted. This applies mainly to construction material quarrying in Victoria and Western Australia (year ended 30th June, 1952) and to gold mining and certain other industries in Western Australia where some of the returns relate to periods other than the calendar year.

(ii) Definition and Classification of the Mining and Quarrying Industry. For the purpose of the statistics included in this Bulletin, the "Mining and Quarrying 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), when carried out at or near the mine are included. However, establishments primarily engaged in smelting and/or refining (including the large plants operated at Mt. Morgan and Mt. Isa in Queensland and at Mt. Lyell in Tasmania) are omitted and classified to the Manufacturing Industry.

Also included in the mining and quarrying industry are quarries operated by brickworks, cement works, etc. and "quarries" winning direct construction materials such as sand, gravel, building stone and broken and crushed stone for road making, etc.. The 1952 data include estimates of value of output and value of production for fossicking activities but fossickers are excluded from tables showing employment. Prospecting and exploration and development of mining properties are included.

The foregoing definition of the Mining and Quarrying Industry was adopted uniformly by all Australian Statisticians for the purpose of collecting and compiling mining and quarrying statistics for 1952. The consequential modifications to the definition of the Manufacturing Industry, which operated for the first time in the collection and compilation of factory statistics for 1952-53, resulted principally in the complete exclusion from factory statistics of concentration and other ore-dressing plants situated at or near mines; formerly, these were included in some States.

Australian Statisticians also adopted a tentative classification of the Mining and Quarrying Industry for use from 1952. This provides for the classification of mines and quarries to industries in four Major Groups (Metal Mining, Fuel Mining, Non-Metal (excl. Fuel) Mining and Construction Material Quarrying), on the basis of principal type of ore or mineral sought or won. This detailed classification has been used in compiling the statistics for 1952 included in this Bulletin but, in practice, much of the data for individual industries has had to be grouped for publication to avoid revealing information supplied by the limited numbers of mines or quarries classified to certain mining industries.

(iii) Scope of the Statistics. Detailed statistics compiled from data collected on the Census returns comprise numbers of persons employed in various categories, salaries and wages paid, depreciated values (i.e., "book" values less any depreciation reserves) of fixed assets, value of power, fuel and light and materials and stores used, value of output, value of production and quantities of various fuels used. 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 (five or more in Western Australia). 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 providing estimated totals for these major items for all mines and quarries. Data for other items refer to mines and quarries employing four or more persons (five or more in Western Australia).

The coverage of the collection in respect of "quarrying" of construction materials was incomplete in some degree in most States. This deficiency was due primarily to the inherent difficulty of obtaining complete lists of quarries (including those operated by Governmental and Local-Governmental Authorities) many of which operate intermittently and in different locations. There was also difficulty in obtaining satisfactory returns from quarries operated in conjunction with some other activity, e.g. road making, brick works, etc.

Some deficiencies also occurred in the collection of data for certain Non-Metal (excl. Fuel) Mining industries (e.g., clays and salt), due principally to these being outside fields normally under the administrative control of Mines Departments. Details of the activities of mining establishments engaged in the mining and treatment of

uranium ore have been excluded from all tables in the Bulletin.

(iv) Definitions of Terms Used

(a) Persons Employed. All persons engaged in and around the mine on mining and developmental operations, in underground and surface workshops and in crushing and ore-dressing operations, are included. Salaried staff engaged in the management of the mine are included but not head office staffs.

The average numbers employed shown in relevant tables refer to averages for the period worked by individual mines or quarries. It was found impracticable to calculate estimates of employment on a "whole year" basis for 1952.

(b) 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 deduction for income tax, pensions, etc.

(c) Value of Materials and Stores Used. This includes timber and explosives (including value of explosives sold to own 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 non-employees of the mine. The amounts refer to working expenses only and exclude amounts capitalized.

(d) 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 value of minerals produced during the year (i.e. as distinct from sales or despatches), including estimated values 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. 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.

For many reasons, the values of output in this Bulletin (compiled on an establishment basis) differ from aggregations of values of individual minerals produced. The latter data have been calculated by State Mines Departments on varying bases and include in many cases value added in smelting and refining plants in Australia and overseas.

(e) 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 activities. 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 on 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

Table 1, following, gives a summary of mining and quarrying operations in Australia during the year 1952. As mentioned in Section I, the collection of the fully detailed "Census" returns was confined to mines and quarries employing five or more persons in Western Australia and four or more persons in other States and the Northern Territory. However, estimates of numbers of mines and quarries, persons employed, value of output, total value of power, fuel and light and materials and stores used, and value of production (based on data collected on simplified census returns and/or from Mines Department records) were made for the small mines omitted from the detailed census, thus providing the estimated totals for these principal items shown in Table 1. Other items shown in the table (as indicated by footnote (d)) omit particulars for mines and quarries employing less than four persons (less than five persons in Western Australia).

The Statistics show that there were 2,336 mines and quarries operating in Australia in 1952, of which 874 were Metal mines, 288 Fuel mines (mainly coal mines), 634 Non-Metal (excl. fuel) mines and 540 Construction Material quarries. The total number of persons employed (average for period worked) was 56,418, value of output £135,450,000 and value of production £109,030,000. Of the total value of production £51,206,000 (47.0 per cent) was attributed to Metal mines, £46,855,000 (43.0 per cent) to Fuel mines, £3,663,000 (3.3 per cent) to Non-Metal (excl. fuel) mines and £7,306,000 (6.7 per cent) to Construction Material quarries.

TABLE I : SUMMARY OF MINING AND QUARRYING OPERATIONS : AUSTRALIA, 1952

Particulars	Unit	Metal Mining	Fuel Mining	Non-Metal (excl. Fuel) Mining (a)	Total all Mining	Construction Material Quarrying (b)	Total All Mining and Quarrying
No. of Mines and Quarries	No.	874	288	634	1,796	540	2,336
Persons Employed (c)	No.	21,411	27,544	3,174	52,129	4,289	56,418
Salaries and Wages Paid (d) (e)	£'000	22,367	24,364	1,657	48,388	(f)	(f)
Value of -							
Power, Fuel and Light Used (d)	£'000	3,726	2,150	258	6,134	(f)	(f)
Materials and Stores Used (d) (g)	£'000	10,721	7,223	713	18,657	(f)	(f)
Total Power, Fuel, Light and Materials and Stores Used (h)	£'000	14,538	9,377	1,067	24,982	1,438	26,420
Output (i)	£'000	65,744	56,232	4,730	126,706	8,744	135,450
Production (j)	£'000	51,206	46,855	3,663	101,724	(k) 7,306	109,030
Value of Fixed Assets (d) (l)							
Land and Buildings	£'000	7,480	5,540	1,141	14,161	(f)	(f)
Plant and Machinery	£'000	20,239	19,817	2,309	42,365	(f)	(f)
Mine Development	£'000	8,738	6,658	382	15,778	(f)	(f)
Total Value of Fixed Assets	£'000	36,457	32,015	3,832	72,304	(f)	(f)

(a) Incomplete for some Non-Metal (Excl. fuel) Mining Industries outside the normal administrative control of State Mines Departments (e.g. Clays and Salt). (b) Incomplete in some States. (c) Average number employed (including working proprietors) during period worked by mine or quarry. (d) Excludes mines and quarries employing less than four persons (less than five persons in Western Australia). (e) Excludes drawings by working proprietors; the amounts are net after deducting value of explosives sold to own employees. (f) Not available. (g) Includes value of explosives sold to own employees. (h) Includes estimates for mines and quarries employing less than four persons (less than five persons in Western Australia). (i) Value at mine or quarry. (j) Value of output less cost of power, fuel and light and other materials and stores used; depreciation and maintenance costs have not been deducted. (k) Costs of power, fuel and light and other materials and stores used have not been deducted in all cases. (l) Depreciated value (i.e., book value less any depreciation reserves) at end of year.

In Table 2, statistics of numbers of mines and quarries, numbers employed, value of output and value of production are shown for each State and the Northern Territory for the year 1952. Of the total value of mine and quarry production of £109,030,000 in 1952, New South Wales contributed £63,234,000 (58.0 per cent), followed by Queensland with £13,860,000 (12.7 per cent). Of the New South Wales total value of production, £35,785,000 (56.6 per cent) was contributed by Black Coal mining and £20,568,000 (32.5 per cent) by Silver-Lead-Zinc mining.

TABLE 2 : SUMMARY OF MINING AND QUARRYING OPERATIONS

STATES AND NORTHERN TERRITORY, 1952

State	Number of Mines and Quarries	Persons Employed (a)	Value of Output (b)	Value of Production (c)	
				Total	Proportion of Total
	No.	No.	£'000	£'000	%
New South Wales	(d) 692	30,894	77,165	63,234	58.0
Victoria (e)	277	4,408	8,491	6,680	6.1
Queensland (e)	476	7,853	17,429	13,860	12.7
South Australia	541	2,381	6,047	5,153	4.8
Western Australia (e)	245	7,649	16,570	11,937	10.9
Tasmania	71	2,829	8,750	7,325	6.7
Northern Territory (e)	34	404	998	841	0.8
AUSTRALIA:	2,336	56,418	135,450	109,030	100.0

(a) Average number employed during period worked by mine or quarry; includes working proprietors. (b) Value of output at mine or quarry. (c) Value of output less cost of power, fuel and light and other materials and stores used; depreciation and maintenance costs have not been deducted. (d) Excludes Construction Material Quarrying. (e) Incomplete for some Non-Metal (excl. fuel) Mining Industries outside the normal administrative control of the State Mines Department (e.g. clays and salt) and/or for construction Material Quarrying.

Reference has been made in the Preface to the position existing prior to 1952, when industrial censuses of the mining and quarrying industry were conducted in some of the Australian States on varying bases. These earlier censuses differed from the Australia-wide census of 1952, principally in respect of definition and classification of the mining and quarrying industry. They formed the basis of estimates of employment, value of output and value of production, etc. for the industry in the States concerned. In other States, estimates were made by State Statisticians from the best available data, principally obtained from the records of State Mines Departments.

For these reasons, comparisons between data obtained as to 1952 mine and quarry operations and similar information for earlier years are not strictly valid. Furthermore, changes in the basis of collecting and compiling statistics of the quantity and value of minerals produced and of employment, which were introduced in 1950, caused a break in continuity of the statistical series for the industry from that year.

The following table has been included to illustrate the extent to which comparisons can be made in the official series for 1952 and the earlier periods specified. Double vertical rulings have been shown between 1949 and 1950 and between 1951 and 1952 to draw attention to the principal breaks in continuity of the statistics. Notwithstanding the defects in the statistics for 1951 and earlier years, they represent the best data available to illustrate trends which have occurred in the industry.

**TABLE 3 : SUMMARY OF MINING AND QUARRYING OPERATIONS :
AUSTRALIA, 1939 AND 1948 TO 1952.**

(NOTE: The double vertical lines indicate changes in the basis of collection and/or compilation, affecting comparability of the data; see text preceding the table.)

Particulars	1939	1948	1949	1950	1951	1952
<u>Persons Employed (a):</u>						
Metal Mining	40,692	21,731	21,633	22,485	22,145	21,411
Fuel Mining	22,082	24,266	25,060	25,340	25,759	27,544
Non-Metal (Excl. Fuel) Mining (b)	3,015	3,186	3,825	4,207	4,872	3,174
Total, All Mining	65,789	49,183	50,538	52,032	52,776	52,129
Construction Material Quarrying (b)	(c)	(c)	(c)	(c)	(c)	4,289
Total, All Mining and Quarrying	(c)	(c)	(c)	(c)	(c)	56,418
	£'000	£'000	£'000	£'000	£'000	£'000
<u>Value of Output -</u>						
Total, All Mining and Quarrying (b)(d)	37,430	58,372	64,152	85,719	114,712	135,450
<u>Value of Production -</u>						
Total, All Mining and Quarrying (b)(e)	30,583	48,353	52,327	71,150	97,199	109,030

- (a) For years prior to 1952, employment estimates have been calculated on varying bases from State to State but generally may be adopted as averages of employment for whole year; the figures for 1952 are for period worked by individual mines or quarries. Fossickers and prospectors have generally been excluded for 1952 but have been included in the main for earlier years.
- (b) Incomplete for some Non-Metal (excluding Fuel) Mining Industries outside the normal administrative control of State Mines Departments (e.g., clays and salt) and for Construction Material Quarrying in some States.
- (c) Not available.
- (d) Value of output at mine or quarry; for years prior to 1952, totals have been estimated by State and Commonwealth Statisticians, using values of individual products recorded by Mines Departments and other relevant data.
- (e) Value of output at mine or quarry less cost of power, fuel and light and other materials and stores used; depreciation and maintenance costs have not been deducted. For years prior to 1952, totals have been estimated by State and Commonwealth Statisticians.

It should be noted that much of the increase in the recorded totals of value of output and value of production for mining and quarrying since 1939 has been due to increases in prices for minerals and metals in Australia and overseas. The following table shows the quantities of the principal minerals produced in Australia in 1939 and each of the years 1949 to 1952.

TABLE 4 : PRODUCTION OF PRINCIPAL MINERALS : AUSTRALIA

Mineral	Unit	1939	1949	1950	1951	1952
Metal contents of Minerals Produced -						
Copper	Ton	20,560	13,462	17,481	17,926	18,578
Gold	'000 fine oz.	1,646	889	870	826	980
Lead	Ton	280,003	209,292	225,367	212,013	228,196
Iron (a)	'000 tons	1,548	925	1,418	1,605	1,883
Silver	'000 fine oz.	15,320	10,102	10,984	10,244	11,278
Tin	Ton	3,067	1,886	1,854	1,559	1,611
Zinc	Ton	214,823	175,988	197,783	189,227	196,450
Quantities Produced -						
Coal, Black	'000 tons	13,535	14,106	16,543	17,608	19,405
Coal, Brown	'000 tons	3,651	7,376	7,327	7,836	8,104
Sulphur (b)	Ton	151,008	160,777	179,843	183,126	217,217

(a) Estimated.

(b) Total sulphur content of zinc concentrates and pyrites produced and of spent oxide roasted.

Detailed statistics of mining and quarrying operations in 1952 are shown in Section III following.

III. DETAILED STATISTICS OF MINING AND QUARRYING OPERATIONS, 1952.

TABLE 5. MINING AND QUARRYING : NUMBER OF MINES AND QUARRIES, 1952.

Industry	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	AUST.
<u>Metal Mining:</u>								
Gold Mining	40	72	(a) 47	16	(a)(b) 44	-	5	(b) 224
Silver-Lead-Zinc Mining	37	-	16	4	46	9	-	112
Copper-Gold Mining	15	-	15	2	2	1	3	38
Tin Mining	76	-	57	-	10	24	(b) 4	171
Other Metal Mining	74	5	182	2	42	5	(b) 19	329
Total, Metal Mining	242	77	317	24	144	39	(b) 31	874
<u>Fuel Mining:</u>								
Black Coal Mining	168	5	91	1	3	11	-	279
Brown Coal Mining	-	8	-	-	-	-	-	8
Other Fuel Mining	1	-	-	-	-	-	-	1
Total, Fuel Mining	169	13	91	1	3	11	-	288
<u>Non-Metal (excluding Fuel) Mining:</u>								
Clays	167	9	(c)	52	(b) 12	6	-	(b) 246
Gypsum	10	6	-	12	10	-	-	38
Limestone (d)	42	10	22	13	(b)(e) 2	8	(c)	(b) 97
Salt	-	(c)	(c)	19	(c)	-	-	(b) 19
Other Non-Metal (excluding Fuel) Mining	62	6	(b) 4	124	34	1	3	(b) 234
Total, Non-Metal (excl. Fuel) Mining	281	(b) 31	(b) 26	220	(b) 58	15	(b) 3	(b) 634
Total, All Mining	692	(b) 121	(b) 434	245	(b) 205	65	(b) 34	(b) 1,796
<u>Construction Material Quarrying</u>	(d)	(b)(e) 156	42	296	(e) 40	6	(c)	(b) 540
Total, All Mining and Quarrying	(b) 692	(b) 277	(b) 476	541	(b) 245	71	(b) 34	(b) 2,336

(a) Includes custom batteries and mills.
obtaining construction material.

(b) Incomplete.

(c) Not available.

(e) Year ended 30th June, 1952.

(d) Excludes quarries primarily engaged in

TABLE 6. MINING AND QUARRYING : AVERAGE NUMBER OF PERSONS EMPLOYED
(INCLUDING WORKING PROPRIETORS) DURING PERIOD WORKED, 1952.

Industry	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	AUST.
<u>Metal Mining:</u>								
Gold Mining	319	738	(a)	(a)	(b)5,100	-	149	(b)(c)6,583
Silver-Lead-Zinc Mining	7,146	-	(a)	6	(a)	(a)	-	(c)9,497
Copper-Gold Mining	152	-	(a)	(a)	(a)	(a)	(a)	(c)2,112
Tin Mining	288	-	227	-	(a)	424	(a)(b)	(c)999
Other Metal Mining	546	(d)	655	(a)	(b)328	(a)	(b)174	(b)(c)2,220
Total, Metal Mining	8,451	738	(c)3,694	(c)273	(b)(c)5,636	(c)2,237	(b)(c)382	(b)21,411
<u>Fuel Mining :</u>								
Black Coal Mining	20,151	851	3,715	220	1,326	349	-	26,612
Brown Coal Mining	-	932	-	-	-	-	-	932
Other Fuel Mining	(d)	-	-	-	-	-	-	(d)
Total, Fuel Mining	20,151	1,783	3,715	220	1,326	349	-	27,544
<u>Non-Metal (excluding Fuel) Minings:</u>								
Clays	493	(b)29	(e)	170	(b)11	52	-	(b)755
Gypsum	34	17	-	110	43	-	-	204
Limestone (f)	383	158	128	163	(a)(g)	(a)	(e)	(b)(c)977
Salt	-	(e)	(e)	273	(e)	-	-	(b)273
Other Non-Metal (excluding Fuel) Mining	(h)369	(i)34	(b)7	239	(a)	(a)	22	(b)(c)965
Total, Non-Metal (excl. Fuel) Mining	1,279	(b)238	(b)135	955	(b)(c)374	(a)171	(b)22	(b)3,174
Total, All Mining	29,881	(b)2,759	(b)7,544	1,448	(b)7,336	2,757	(b)404	(f)52,129
<u>Construction Material Quarrying</u>	1,013	(b)(c)1,649	309	933	(c)313	72	(e)	(b)4,289
<u>Total, All Mining and Quarrying</u>	30,894	(b)4,408	(b)7,853	2,381	(b)7,649	(c)2,829	(b)404	(b)56,418

(a) Not available for publication. (b) Incomplete. (c) Includes particulars of relevant items marked "(a)". (d) Not available for publication; included with "other non-metal mining". (e) Not available. (f) Excludes quarries engaged primarily in obtaining construction material. (g) Year ended 30th June, 1952. (h) Includes particulars of "other fuel mining". (i) Includes particulars of "other metal mining".

TABLE 7 - MINING AND QUARRYING, WORKING PROPRIETORS, SALARIED STAFF AND WAGE EARNERS

ON LAST FULL WORKING DAY IN 1952(a) AUSTRALIA

(Note : Excludes mines and quarries employing less than four persons (less than five persons in Western Australia)

Industry	Working Proprietors	Salaried Staff		Wage Earners		Total Persons Employed
		Above Ground	Below Ground	Above Ground	Below Ground	
<u>Metal Mining:</u>						
Gold Mining	19	562	192	2,663	2,600	6,036
Silver-Lead-Zinc Mining	10	831	377	3,166	5,091	9,475
Copper - Gold Mining	6	228	17	1,498	165	1,914
Tin Mining	66	48	5	453	160	732
Other Metal Mining	84	170	14	1,401	208	1,877
Total, Metal Mining	185	1,839	605	9,181	8,224	20,034
<u>Fuel Mining:</u>						
Black Coal Mining	144	815	278	8,343	17,427	27,007
Brown Coal Mining	2	103	-	800	3	908
Other Fuel Mining	-	-	-	-	-	-
Total Fuel Mining	146	918	278	9,143	17,430	27,915
Total, Metal and Fuel Mining	331	2,757	883	18,324	25,654	47,949
<u>Non-Metal (excl. Fuel) Mining:</u>						
Clays	2	1	-	155	6	(b) 164
Gypsum	3	6	-	124	1	134
Limestone (c)	16	52	-	768	5	841
Salt	3	15	-	240	-	(b) 258
Other Non-Metal (Excl. Fuel) Mining	26	53	6	389	87	561
Total, Non-Metal (Excl. Fuel) Mining	50	127	6	1,676	99	1,958
Total, All Mining	381	2,884	889	20,000	25,753	49,907
Construction Material Quarrying	(d)	(d)	(d)	(d)	(d)	(d)
Total, All Mining and Quarrying	(d)	(d)	(d)	(d)	(d)	(d)

(a) In general, employment in mines and quarries which ceased operations prior to 1st December has been excluded. (b) Incomplete. (c) Excludes quarries primarily engaged in obtaining construction material. (d) Not available.

TABLE 8 - METAL AND FUEL MINING (a) : SEX AND AGE OF PERSONS EMPLOYED (b) ON LAST FULL WORKING DAY IN 1952.

(Note : Excludes mines and quarries employing less than four persons (less than five persons in Western Australia).

Sex and Age	N.S.W.	VIC.	Q'LAND	S.AUST.	W.AUST.	TAS.	N.TERR.	AUSTRALIA
Metal Mining:-								
Males - Under 21 years	454	21	210	28	277	133	-	1,123
- 21 years and over	7,228	559	2,827	243	5,172	2,202	372	18,603
Total	7,682	580	3,037	271	5,449	2,335	372	19,726
Females - Under 21 years	33	2	42	1	43	6	-	127
- 21 years and over	71	1	40	5	37	18	9	181
Total	104	3	82	6	80	24	9	308
Total Persons	7,786	583	3,119	277	5,529	2,359	381	20,034
Fuel Mining:-								
Males - Under 21 years	1,259	90	259	4	98	20	-	1,730
- 21 years and over	19,051	1,711	3,580	205	1,276	326	-	26,149
Total	20,310	1,801	3,839	209	1,374	346	-	27,879
Females - Under 21 years	(c)	3	3	1	5	1	-	13
- 21 years and over	(c)	1	9	10	3	-	-	23
Total	(c)	4	12	11	8	1	-	36
Total Persons	20,310	1,805	3,851	220	1,382	347	-	27,915
Metal and Fuel Mining:-								
Males - Under 21 years	1,713	111	469	32	375	153	-	2,853
- 21 years and over	26,279	2,270	6,407	448	6,448	2,528	372	44,752
Total	27,992	2,381	6,876	480	6,823	2,681	372	47,605
Females - Under 21 years	33	5	45	2	48	7	-	140
- 21 years and over	71	2	49	15	40	18	9	204
Total	104	7	94	17	88	25	9	344
Total Persons	28,096	2,388	6,970	497	6,911	2,706	381	47,949

(a) Complete details for Non-Metal Mines and Construction Material Quarries are not available. (b) Including Working Proprietors. (c) Included with Wages.

TABLE 9 - MINING AND QUARRYING : SALARIES AND WAGES PAID (a), 1952

(Note: Excludes mines and quarries employing less than four persons (less than five persons in Western Australia))
(£'000)

Industry and Item	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	N.T.	AUSTRALIA
<u>Metal Mining -</u>								
Salaries ..	1,810	57	258	18	631	282	48	3,104
Wages ..	8,938	430	2,804	229	4,872	1,737	253	19,263
<u>TOTAL:</u>	10,748	487	3,062	247	5,503	2,019	301	22,367
<u>Fuel Mining -</u>								
Salaries ..	820	164	161	34	44	9	-	1,232
Wages ..	16,993	1,449	3,178	182	1,044	286	-	23,132
<u>TOTAL:</u>	17,813	1,613	3,339	216	1,088	295	-	24,364
Total, Metal and Fuel Mining:	28,561	2,100	6,401	463	6,591	2,314	301	46,731
<u>Non-Metal (Excl. Fuel) Mining -</u>								
Salaries ..	30	(b) 12	(b) 4	35	(o)	10	-	(b) 91
Wages ..	422	(b) 165	(b) 53	461	(c)	104	3	(b) 1,208
<u>TOTAL:</u>	452	(b) 177	(b) 57	496	358	114	3	(b) 1,657
TOTAL, All Mining:	29,013	(b) 2,277	(b) 6,458	959	6,949	2,428	304	(b) 48,388
<u>Construction Material Quarrying -</u>								
Salaries ..	(c)	(c)	6	18	(c)	5	(c)	(c)
Wages ..	(c)	(c)	134	367	(c)	51	(c)	(c)
<u>TOTAL:</u>	(c)	(c)	140	385	(b) 182	56	(c)	(c)
TOTAL, All Mining and Quarrying:	(c)	(c)	(b) 6,598	1,344	(b) 7,131	2,484	(c)	(c)

(a) Excludes drawings by Working Proprietors; the amounts shown are net after deductions for explosives sold to own employees.

(b) Incomplete. (c) Not available.

TABLE 10 - METAL AND FUEL MINING : SALARIES AND WAGES PAID (a), 1952

(Note: Excludes mines and quarries employing less than four persons (less than five persons in Western Australia))
(£'000)

Industry and Item	N.S.W.	VIC.	QLD.	S.A.	W.A.	TAS.	N.T.	AUSTRALIA
<u>Metal Mining -</u>								
<u>Gross Salaries and Wages -</u>								
<u>Salaries -</u>								
Males ..	1,709	56	246	18	611	276	48	2,964
Females ..	101	1	12	(b)	20	6	(b)	140
TOTAL, Salaries:	1,810	57	258	18	631	282	48	3,104
<u>Wages -</u>								
Males ..	9,078	439	2,800	228	4,859	1,741	250	19,395
Females ..	3	-	28	1	18	4	3	57
TOTAL, Wages:	9,081	439	2,828	229	4,877	1,745	253	19,452
TOTAL, Gross Salaries and Wages:	10,891	496	3,086	247	5,508	2,027	301	22,556
<u>Fuel Mining -</u>								
<u>Gross Salaries and Wages -</u>								
<u>Salaries -</u>								
Males ..	(c)	163	158	33	42	9	-	(c)
Females ..	(c)	1	3	1	2	-	-	(c)
TOTAL, Salaries:	820	164	161	34	44	9	-	1,232
<u>Wages -</u>								
Males ..	(c)	1,459	3,270	177	1,043	286	-	(c)
Females ..	(c)	(b)	3	5	1	-	-	(c)
TOTAL, Wages:	17,975	1,460	3,273	182	1,044	286	-	23,320
TOTAL, Gross Salaries and Wages:	17,895	1,624	3,434	216	1,088	295	-	24,552
<u>Less Deductions (d) -</u>								
Metal Mining ..	143	9	24	-	5	8	-	189
Fuel Mining ..	82	11	95	-	-	-	-	188
<u>Net Salaries and Wages -</u>								
Metal Mining ..	10,748	487	3,062	247	5,503	2,019	301	22,367
Fuel Mining ..	17,813	1,613	3,339	216	1,088	295	-	24,364
TOTAL, Net Salaries and Wages								
Metal Mining and Fuel Mining:	28,561	2,100	6,401	463	6,591	2,314	301	46,731

(a) Excludes drawings by Working Proprietors. (b) Less than £500. (c) Not available.
(d) Explosives sold to own employees.

TABLE 11 - MINING AND QUARRYING : VALUE OF POWER, FUEL AND LIGHT USED, 1952

(Note: Excludes mines and quarries employing less than four persons
(less than five persons in Western Australia)).

(£'000)

Industry	N.S.W.	Vic.	Q'd.	S.A.	W.A.	Tas.	N.T.	AUST.
<u>Metal Mining:</u>								
Gold Mining	80	123	(a)	(a)	1,198	-	27	(b)1,490
Silver-Lead-Zinc Mining	1,334	-	(a)	-	(a)	(a)	-	1,713
Copper-Gold Mining	32	-	(a)	-	-	(a)	(a)	229
Tin Mining	26	-	40	-	(a)	20	(a)	(b) 91
Other Metal Mining	57	(c)	39	(a)	39	(a)	19	(b) 243
<u>Total, Metal Mining</u>	1,529	123	573	(b)13	1,254	174	60	3,726
<u>Fuel Mining</u>								
Black Coal Mining	1,634	60	205	(a)	154	(a)	-	(b)2,089
Brown Coal Mining	-	61	-	-	-	-	-	61
Other Fuel Mining	(c)	-	-	-	-	-	-	(c)
<u>Total, Fuel Mining</u>	1,634	121	205	(a)	154	(a)	-	(b)2,150
<u>Non-Metal (Excl. Fuel) Mining</u>								
Clays	(d)	(e)	(d)	2	(d)	5	-	(f) 7
Gypsum	8	(a)	-	14	(a)	-	-	(b) 25
Limestone (g)	43	45	18	21	(a)(f)(h)	(a)	(d)	(b)(f)145
Salt	-	(d)	(d)	15	(d)	-	-	(f) 15
Other Non-Metal (Excl. Fuel) Mining	(i)21	(a)(j)	(d)	6	(a)	(a)	1	(b)(f) 66
<u>Total, Non-Metal (excl. Fuel) Mining</u>	(f)72	(b)(f) 47	(f)18	58	(b)(f)42	(b)20	(f)1	(f)258
<u>Total, All Mining</u>	(f)3,235	(f)291	(f)796	(a)	(f)1,450	(a)	(f)61	(b)(f)6,134
<u>Construction Material Quarrying</u>	(d)	(d)	7	(a)	(h) 30	(a)	(d)	(d)
<u>Total, All Mining and Quarrying</u>	(d)	(d)	(f)803	(b)166	(f)1,480	(b)204	(d)	(d)

(a) Not available for publication. (b) Including particulars of relevant items marked "(a)". (c) Not available for publication; included with "Other Non-Metal Mining". (d) Not available. (e) Less than £500. (f) Incomplete. (g) Excludes quarries primarily engaged in obtaining construction material. (h) Year ended 30th June, 1952. (i) Includes particulars for "Other Fuel Mining" -- (j) Includes particulars for "Other metal Mining".

TABLE 12 : MINING AND QUARRYING : FUELS USED, 1952 : AUSTRALIA

(Note : Excludes mines and quarries employing less than four persons (less than five persons in Western Australia)).

Industry	Coal	Wood	Coke	Gas	Fuel Oil	Petrol	Electricity Purchased	Other
	Tons	Tons	Tons	£.	'000 Gals.	'000 Gals.	£'000	£.
<u>Metal Mining</u>								
Gold Mining	8,909	79,553	237	-	6,112	103	599	(a)
Silver-Lead-Zinc Mining	1,938	30	1,246	3,272	366	65	1,604	38,595
Copper-Gold Mining	42,830	30	(a)	-	57	29	(a)	(a)
Tin Mining	6,599	25,473	(a)	-	85	52	(a)	30
Other Metal Mining	605	9,617	19	-	1,280	172	41	1,367
<u>Total, Metal Mining</u>	60,881	114,703	(b)1,610	3,272	7,900	421	(b)2,270	(b)29,509
<u>Fuel Mining</u>								
Black Coal Mining	181,077	25	-	-	(c)	(c)	1,046	33,932
Brown Coal Mining	-	-	-	-	64	(d)81	38	10
Other Fuel Mining	-	-	-	-	-	-	(e)	-
<u>Total, Fuel Mining</u>	181,077	25	-	-	(f)	(f)	1,084	33,942
<u>Non-Metal (Excl. Fuel) Mining</u>								
Clays	(g)96	(g)1,668	(g)	(g)	(g)5	(g)7	(g)1	(g)1,594
Gypsum	-	-	-	-	123	72	(h)	(a)
Limestone (i)	(g)5,504	(a)	-	-	(g)74	(g)64	(g)64	(g)1,477
Salt	(g)	(g)16	(g)	(g)	(g)25	(g)41	(g)6	(g)448
Other Non-Metal (Excl. Fuel) Mining	-	(a)	3	-	344	49	(j)12	(a)
<u>Total, Non-Metal (Excl. Fuel) Mining</u>	(g)5,600	(b)(g)6,803	(g)3	(g)	(g)571	(g)233	(g)83	(b)(g)3,568
<u>Total, All Mining</u>	(g)247,558	(g)121,531	(g)1,613	(g)3,272	(g)8,471	(g)654	(g)3,437	(g)127,019
<u>Construction Material</u>								
<u>Quarrying</u>	(f)	(f)	(f)	(f)	(f)	(f)	(f)	(f)
<u>Total, All Mining and Quarrying</u>	(f)	(f)	(f)	(f)	(f)	(f)	(f)	(f)

(a) Not available for publication. (b) Includes particulars of relevant items marked "(a)". (c) Quantity not available; value of fuel oil and petrol used is £429,672. (d) Estimated. (e) Not available for publication; included with "Other Non-Metal Mining". (f) Not available. (g) Incomplete. (h) Less than £500. (i) Excludes quarries primarily engaged in obtaining construction material. (j) Includes particulars of "Other Fuel Mining".

**TABLE 13 - MINING AND QUARRYING - VALUE OF MATERIALS AND STORES (OTHER THAN FUEL,
LIGHT AND POWER) USED (a) 1952**

18.

(Note : Excludes mines and quarries employing less than four persons (less than five persons
in Western Australia)
(£'000)

INDUSTRY	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	AUSTRALIA
<u>Metal Mining</u>								
Gold Mining	154	178	(b)	(b)	2,460	-	48	(o)2,881
Silver-Lead-Zinc Mining	4,082	-	(b)	-	(b)	(b)	-	(o)5,460
Copper-Gold Mining	66	-	(b)	-	-	(b)	(b)	(o)1,411
Tin Mining	21	-	20	-	(b)	88	(b)	(o)131
Other Metal Mining	227	(a)	162	(b)	175	(b)	36	(o)838
<u>Total Metal Mining</u>	4,550	178	(o)1,932	(o)143	(o)2,714	(o)1,116	(o)88	10,721
<u>Fuel Mining</u>								
Black Coal Mining	5,864	77	705	(b)	191	(b)	-	(o)6,935
Brown Coal Mining	-	288	-	-	-	-	-	288
Other Fuel Mining	(d)	-	-	-	-	-	-	(d)
<u>Total Fuel Mining</u>	5,864	365	705	(b)	191	(b)	-	(o)7,223
<u>Non-Metal (excl. Fuel) Mining</u>								
Clays	(e)	(e)1	(e)	8	(e)	5	-	(f)14
Gypsum	16	(b)	-	18	(b)	-	-	(o)42
Limestone (g)	136	94	19	84	(b)(f)(h)	(b)	(e)	(o)(f)363
Salt	-	(e)	(e)	42	(e)	-	-	(f)42
Other Non-Metal (excl. Fuel) Mining	(i)60	(b)(j)	(e)	13	(b)	(b)	4	(o)(f)252
<u>Total, Non-Metal (excl. Fuel) Mining</u>	(f)212	(o)(f)98	(f)19	165	(o)(i)187	(o)27	(f)4	(f)713
<u>Total, All Mining</u>	(f)10,626	(f)641	(f)2,656	(b)	(o)(f)3,092	(b)	(f)92	(o)(f)18,657
<u>Construction Material Quarrying</u>	(e)	(e)	45	(b)	(h)33	(b)	(e)	(e)
<u>Total, All Mining and Quarrying</u>	(e)	(e)	(f)2,701	(o)617	(f)3,125	(o)1,221	(e)	(e)

- (a) Including value of explosives sold to own employees. (b) Not available for publication. (c) Includes particulars of relevant items marked "(b)". (d) Not available for publication; included with "Other Non-Metal (excl. Fuel) Mining". (e) Not available. (f) Incomplete. (g) Excludes quarries primarily engaged in obtaining construction material. (h) Year ended 30th June, 1952. (i) Includes particulars for "Other Fuel Mining". (j) Includes particulars for "Other Metal Mining".

TABLE 14. - METAL AND FUEL MINING - VALUE OF TIMBER, EXPLOSIVES (a) AND OTHER MATERIALS (b) (OTHER THAN FUEL, LIGHT AND POWER) USED, 1952

(Note : Excludes mines and quarries employing less than four persons (less than five persons in Western Australia))
(£'000)

Industry and Material	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	AUSTRALIA
<u>Metal Mining:</u>								
Timber	942	11	71	-	104	53	4	1,185
Explosives (a)	284	17	248	75	527	156	15	1,322
Other Materials (b)	3,324	150	1,613	68	2,083	907	69	8,214
TOTAL:	4,550	(c) 178	1,932	143	2,714	1,116	88	10,721
<u>Fuel Mining:</u>								
Timber	1,326	27	126	(d)	39	(d)	-	(e) 1,529
Explosives (a)	82	19	186	(d)	52	(d)	-	(e) 374
Other Materials (b)	4,456	319	393	(d)	100	(d)	-	(e) 5,320
TOTAL:	(f) 5,864	, 365	705	(d)	191	(d)	-	(e) 7,223
<u>Metal and Fuel Mining:</u>								
Timber	2,268	38	197	(d)	143	(d)	4	(e) 2,714
Explosives (a)	366	36	434	(d)	579	(d)	15	(e) 1,696
Other Materials (b)	7,780	469	2,006	(d)	2,183	(d)	69	(e) 13,534
TOTAL:	10,414	(c) 543	2,637	(d)	2,905	(d)	88	(e) 17,944

(a) Including explosives sold to own employees. (b) Including repairs, water, lubricating oil, etc. (c) Excludes "other metal mining", not available for publication. (d) Not available for publication. (e) Includes particulars of relevant items marked "(d)". (f) Excludes Fuel Mining other than Black and Brown Coal mining, not available for publication.

TABLE 15 - MINING AND QUARRYING : VALUE OF OUTPUT (a), 1952.
(£'000)

Industry	N.S.W.	Vic.	Q'd.	S.A.	W.A.	Tas.	N.T.	Australia
<u>Metal Mining:</u>								
Gold Mining	401	1,155	(b)	(b)	(c) 11,487	-	681	(c)(d) 13,974
Silver-Lead-Zinc Mining	25,992	-	(b)	(b)	(b)	(b)	-	(d) 37,396
Copper-Gold Mining	180	-	(b)	-	(b)	(b)	(b)	(d) 4,004
Tin Mining	418	-	152	-	(b)	1,402	(b)(c)	(d) 2,045
Other Metal Mining	1,394	(e)	839	(b)	864	(b)	(c) 239	(c)(d) 8,325
Total, Metal Mining	28,385	1,155	(d) 11,078	(d) 3,100	(d) 13,088	(d) 7,962	(c)(d) 976	(c) 65,744
<u>Fuel Mining:</u>								
Black Coal Mining	43,283	728	5,956	(b)	2,105	(b)	-	(d) 52,977
Brown Coal Mining	-	3,255	-	-	-	-	-	3,255
Other Fuel Mining	(e)	-	-	-	-	-	-	(e)
Total, Fuel Mining	(c) 43,283	3,983	5,956	(b)	2,105	(b)	-	(c)(d) 56,232
<u>Non-Metal (excluding Fuel) Mining:</u>								
Clays	612	(c) 17	(f)	204	(c) 20	57	-	(c) 910
Gypsum	88	(b)	-	124	(b)	-	-	(d) 291
Limestone (g)	705	362	127	482	(b)(c)(h)	(b)	(f)	(c)(d) 1,917
Salt	-	(f)	(f)	405	(f)	-	-	(c) 405
Other Non-Metal (excluding Fuel) Mining	(i) 356	(j) 19	(c) 28	224	(b)	(b)	22	(c)(d) 1,207
Total, Non-Metal (excl. Fuel) Mining	1,761	(c)(d) 442	(c) 155	1,439	(c)(d) 712	(d) 199	(c) 22	(c) 4,730
Total, All Mining	73,429	(c) 5,580	(c) 17,189	(b)	(c) 15,905	(b)	(c) 998	(c)(d) 26,706
<u>Construction Material Quarrying</u>	3,736	(c)(h) 2,911	(c) 240	(b)	(h) 665	(b)	(f)	(c) 8,744
Total, All Mining and Quarrying	77,165	(c) 8,491	(c) 17,429	(d) 6,047	(c) 16,570	(d) 8,750	(c) 998	(c) 135,450

(a) Selling value at point of sale of mine or quarry products less transport costs from mine or quarry to point of sale, i.e., value of output at mine or quarry. (b) Not available for publication. (c) Incomplete. (d) Includes particulars of items marked "(b)". (e) Not available for publication; included with "Other Non-Metal (excluding Fuel) Mining". (f) Not available. (g) Excluding quarries primarily engaged in obtaining construction material. (h) Year ended 30th June, 1952. (i) Includes particulars for "Other Fuel Mining". (j) Includes particulars for "Other Metal Mining".

TABLE 16 - MINING AND QUARRYING : VALUE OF PRODUCTION (a), 1952
(£'000)

Industry	N.S.W.	Vic.	Q'ld.	S.A.	W.A. (b)	Tas.	N.T.	Australia
<u>Metal Mining</u>								
Gold Mining	163	844	(a)	(c)	(d) 7,829	-	605	(d)(e) 9,622
Silver-Lead-Zinc Mining	20,568	-	(a)	5	(a)	(c)	-	(e) 30,214
Copper-Gold Mining	80	-	(a)	-	(a)	(c)	(c)	(e) 2,360
Tin Mining	357	-	89	-	(c)	1,294	(c)(d)	(e) 1,805
Other Metal Mining	1,101	(f)	611	(c)	650	(c)	(d) 181	(d)(e) 7,205
<u>Total, Metal Mining</u>	22,269	844	(e) 8,535	(e) 2,942	(e) 9,120	(e) 6,672	(d)(e) 824	(d) 51,206
<u>Fuel Mining</u>								
Black Coal Mining	35,785	587	5,046	(c)	1,760	(c)	-	(e) 43,949
Brown Coal Mining	-	2,906	-	-	-	-	-	2,906
Other Fuel Mining	(f)	-	-	-	-	-	-	(f)
<u>Total, Fuel Mining</u>	35,785	3,493	5,046	(c)	1,760	(c)	-	46,855
<u>Non-Metal (Excl. Fuel) Mining</u>								
Clays	(g) 612	(d) 16	(h)	182	(d) 20	47	-	(d) 877
Gypsum	61	(c)	-	82	(c)	-	-	(e) 208
Limestone (i)	504	222	89	375	(e)(j)	(c)	(h)	(d)(e) 1,383
Salt	-	(h)	346	346	(h)	-	-	(d) 346
Other Non-Metal (Excl. Fuel) Mining	(k) 267	(l) 17	(d) 2	201	(c)	(c)	17	(d)(e) 849
<u>Total, Non-Metal (Excl. Fuel) Mining</u>	1,444	(d)(e) 291	(d) 91	1,186	(d)(e) 483	151	(d) 17	(d) 3,663
<u>Total, All Mining</u>	59,498	(d) 4,628	(d) 13,672	(c)	(d) 11,363	(c)	(d) 841	(d)(e) 101,724
<u>Construction Material Quarrying</u>	(g) 3,736	(d)(h) 2,052	(d) 188	(c)	(j) 574	(c)	(h)	(d) 7,306
<u>Total, All Mining & Quarrying</u>	63,234	(d) 6,680	(d) 13,860	(e) 5,153	(d) 11,937	(e) 7,235	(d) 841	(d) 109,030

(a) Value of output at mine, less cost of power, fuel, light and other materials and stores used; depreciation and maintenance costs have not been deducted. (b) In the case of Metal, Non-Metal (Excl. Fuel) and Fuel Mines employing less than 5 persons, costs of power, fuel, light and other materials and stores have not been deducted. (c) Not available for publication. (d) Incomplete. (e) Includes particulars of items marked "(c)". (f) Not available for publication; included with "Other Non-Metal (Excl. Fuel) Mining". (g) Costs of power, fuel, light and other materials have not been deducted. (h) Not available. (i) Excluding quarries primarily engaged in obtaining construction material.

(j) Year ended 30th June, 1952. (k) Includes particulars for "Other Fuel Mining". (l) Includes particulars for "Other Metal Mining".

TABLE 17 : MINING AND QUARRYING : SALARIES AND WAGES PAID, AND VALUE OF
POWER, FUEL AND LIGHT, MATERIALS USED, OUTPUT AND PRODUCTION: AUSTRALIA, 1952
(£'000)

Industry	Salaries and Wages Paid (a)(b)	Value of -				
		Power, Fuel and Light (b)	Stores, Other Materials (b) (c)	Total, Power, Fuel, Light, Materials (d)	Output (e)	Production (f)
<u>Metal Mining -</u>						
Gold Mining ..	5,952	1,450	2,881	(g) 4,352	(g) 13,974	(g) 9,622
Silver-Lead-Zinc Mining ..	12,690	1,713	5,460	7,182	37,396	30,214
Copper-Gold Mining ..	1,655	229	1,411	1,644	4,004	2,360
Tin Mining ..	562	91	131	240	2,045	1,805
Other Metal Mining ..	1,508	243	838	(g) 1,120	(g) 8,325	(g) 7,205
<u>TOTAL, Metal Mining</u>	22,367	3,726	10,721	(g) 14,538	(g) 65,744	(g) 51,206
<u>Fuel Mining -</u>						
Black Coal Mining	23,373	2,089	6,935	9,028	52,977	43,949
Brown Coal Mining	991	61	288	349	3,255	2,906
Other Fuel Mining	(h)	(h)	(h)	(h)	(h)	(h)
<u>TOTAL, Fuel Mining (g)</u>	24,364	2,150	7,223	9,377	56,232	46,855
<u>Non-Metal (excluding Fuel) Mining -</u>						
Clays ..	118	7	14	(g) 33	(g) 910	(g) 877
Gypsum ..	99	25	42	83	291	208
Limestone (i) ..	698	145	363	(g) 534	(g) 1,917	(g) 1,383
Salt ..	156	15	42	(g) 59	(g) 405	(g) 346
Other Non-Metal (excluding Fuel) Mining	586	66	252	(g) 358	(g) 1,207	(g) 849
<u>TOTAL, Non-Metal (excluding Fuel) Mining</u>	1,657	258	713	(g) 1,067	(g) 4,730	(g) 3,663
<u>TOTAL, All Mining</u>	48,388	6,134	18,657	(g) 24,982	(g) 126,706	(g) 101,724
<u>Construction Material Quarrying</u>	(j)	(j)	(j)	(g) 1,438	(g) 8,744	7,306
<u>TOTAL, All Mining and Quarrying</u>	(j)	(j)	(j)	(g) 26,420	(g) 135,450	(g) 109,030

(a) Excludes drawings by working proprietors; the amounts shown are net after deductions for explosives sold to own employees.

(b) Excludes mines and quarries employing less than four persons (less than five persons in Western Australia). (c) Includes value of explosives sold to own employees. (d) Includes estimates for mines and quarries employing less than four persons (less than five persons in Western Australia). (e) Selling value at point of sale of mine or quarry products less transport costs from mine or quarry to point of sale, i.e. value of output at mine or quarry. (f) Value of output at mine and quarry, less costs of power, fuel and light and other materials and stores used. (g) Incomplete. (h) Not available for publication; included with "Other Non-Metal (excluding Fuel) Mining". (i) Excludes quarries primarily engaged in obtaining limestone as a construction material. (j) Not available.

TABLE 18 : MINING AND QUARRYING : VALUE OF FIXED ASSETS AT END OF 1952, AUSTRALIA.

(Note: Excludes mines and quarries employing less than four persons (less than five persons in Western Australia)).

(£'000)

Industry	N.S.W.	Vic.	Q'ld.	S.A.	W.A.	Tas.	N.T.	Australia
<u>LAND AND BUILDINGS</u>								
Metal Mining	3,364	164	869	(a)	2,290	(a)	250	(b)7,480
Fuel Mining	3,629	147	329	(a)	90	(a)	-	(b)5,540
Non-Metal (excluding Fuel) Mining	(c)160	(c)47	(c)1	785	(c)97.	51	(c)(d)	(c)1,141
<u>Total, All Mining</u>	7,153	358	1,199	(b)2,167	2,477	(b)557	250	14,161
Construction Material Quarrying	(e)	(e)	(e)	61	(f)13	3	(e)	(e)
<u>Total, All Mining and Quarrying</u>	(e)	(e)	(e)	2,228	2,490	560	(e)	(e)
<u>PLANT AND MACHINERY</u>								
Metal Mining	6,826	1,135	4,108	(a)	6,102	(a)	417	(b)20,239
Fuel Mining	15,295	1,877	924	(a)	745	(a)	-	(b)19,817
Non-Metal (excluding Fuel) Mining	(c)637	(c)90	(c)64	1,134	(c)191	186	(c)7	2,309
<u>Total, All Mining</u>	22,758	3,102	5,096	(b)2,294	7,038	(b)1,653	424	42,365
Construction Material Quarrying	(e)	(e)	87	497	(f)415	51	(e)	(e)
<u>Total, All Mining and Quarrying</u>	(e)	(e)	5,183	2,791	7,453	1,704	(e)	(e)

For footnotes see end of Table, page 24.

TABLE 18 (Continued)
(£'000)

Industry	N.S.W.	Vic.	Q'ld.	S.A.	W.A.	Tas.	N.T.	Aust.
<u>MINE DEVELOPMENT</u>								
Metal Mining	3,474	434	2,146	(a)	2,287	(a)	193	(b) 8,738
Fuel Mining	3,205	2,952	191	(a)	171	(a)	-	(b) 6,658
Non-Metal (excl. Fuel) Mining	(c) 99	(c) 13	(c)	103	(c) 149	6	(c) 12	(c) 382
<u>Total, All Mining</u>	6,778	3,399	2,337	(b) 284	2,607	168	(b) 205	15,778
Construction Material Quarrying	(e)	(e)	(e)	-	(f) -	-	(e)	(e)
<u>Total, All Mining and Quarrying</u>	(e)	(e)	(e)	284	2,607	168	(e)	(e)
<u>TOTAL FIXED ASSETS</u>								
Metal Mining	13,664	1,733	7,123	(a)	10,679	(a)	860	(b) 36,457
Fuel Mining	(f) 22,129	4,976	1,444	(a)	1,006	(a)	-	(b) 32,015
Non-Metal (excl. Fuel) Mining	(c) 896	(c) 150	(c) 65	2,022	(c) 437	243	(c) 19	(c) 3,832
<u>Total, All Mining</u>	36,689	6,859	8,632	(b) 4,745	12,122	(b) 2,378	879	72,304
Construction Material Quarrying	(e)	(e)	(e)	558	(f) 428	54	(e)	(e)
<u>Total, All Mining and Quarrying</u>	(e)	(e)	(e)	5,303	12,550	2,432	(e)	(e)

(a) Not available for publication. (b) Includes particulars of relevant items marked "(a)". (c) Incomplete. (d) Less than £500.
 (e) Not available. (f) At 30th June, 1952.

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

CANBERRA. A.C.T.

6TH AUGUST, 1954.