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by

S.R. CARVER

Commonwealth Statistician

PREFACE

This bulletin is the fourth annual statistical bulletin on mining and quarrying operations in Australia. The series was initiated in 1952 to supplement statistics already being published by this Bureau on production, oversea trade and consumption of minerals and metals.

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 (Northern Territory Administration) in the Northern Territory. 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 the statistics have been collected and compiled from 1952 onwards.

Estimates of the Value of Output of Mines and Quarries during 1956, are shown in Table No. 3. These estimates are preliminary, and are subject to revision.

Graphs showing the value of output of the main mining industries in 1955 and a comparison of the major mining and quarrying groups for the years 1952 to 1955, are shown inside the back cover.

S.R. CARVER
COMMONWEALTH STATISTICIAN

COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

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I. SCOPE OF STATISTICS AND DEFINITIONS OF TERMS USED

(i) 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 smelting and refining sections of 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 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 by all Australian Statisticians for the purpose of collecting and compiling mining and quarrying statistics as from 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 classification has been used in compiling industry statistics 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.

(ii) 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 new investment in 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 is incomplete in some degree in most States. This deficiency is due primarily to the inherent difficulty of obtaining complete lists of quarries (including those operated by Government and Local-Governmental Authorities) many of which operate intermittently and in different locations. There is also difficulty in obtaining satisfactory returns from quarries operated in conjunction with some other activity, e.g. road making, brick works, etc. 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.

Some deficiencies also occur in the collection of data for certain Non-Metal (excluding 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.

(iii) 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.

(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. The value of explosives sold to employees has, however, been deducted.

(c) 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.

(d) 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 non-employees of the mine. The amounts refer to working expenses only and exclude amounts capitalized.

(e) 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 dispatches), 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.

(f) 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 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 during the years 1952 to 1955 is shown in Table 1 below. 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, the Northern Territory and the Australian Capital 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 (salaries and wages paid and value of additions and replacements to fixed assets) shown in the table omit particulars for mines and quarries employing less than four persons (less than five persons in Western Australia).

TABLE 1 : SUMMARY OF MINING AND QUARRYING OPERATIONS : AUSTRALIA, 1952 TO 1955

Particulars	Year	Metal Mining	Fuel Mining	Non-metal (excl. Fuel) Mining	Total All Mining	Construction Material Quarrying	Total All Mining and Quarrying
		Number	Number	Number	Number	Number	Number
Mines and Quarries	1952	874	299	636	1,809	530	2,339
	1953	1,099	285	703	2,087	679	2,766
	1954	818	306	683	1,807	687	2,494
	1955	870	277	743	1,890	712	2,602
		£'000	£'000	£'000	£'000	£'000	£'000
Persons Employed (c)	1952	21,411	28,415	3,070	52,896	4,162	57,058
	1953	22,022	28,204	2,946	53,172	3,803	56,975
	1954	21,366	28,268	2,858	52,492	4,121	56,613
	1955	21,992	27,214	2,875	52,081	4,197	56,278
		£'000	£'000	£'000	£'000	£'000	£'000
Salaries and Wages Paid (d) (e)	1952	22,367	25,059	1,617	49,043	2,020	51,063
	1953	22,715	25,654	1,684	50,053	2,007	52,060
	1954	23,308	27,545	1,693	52,546	2,045	54,591
	1955	26,246	27,826	2,270	56,342	2,439	58,781
		£'000	£'000	£'000	£'000	£'000	£'000
Value of Output (f)	1952	66,268	56,635	5,042	127,945	8,899	136,844
	1953	62,819	56,052	6,233	125,104	9,438	134,542
	1954	71,150	58,829	7,041	137,020	12,383	149,403
	1955	84,530	58,119	7,375	150,024	14,847	164,871
		£'000	£'000	£'000	£'000	£'000	£'000
Total Fuel, Materials, etc. Used	1952	15,012	9,459	1,062	25,533	1,640	27,173
	1953	16,585	9,813	1,376	27,774	1,893	29,667
	1954	17,297	10,642	1,422	29,361	1,955	31,316
	1955	17,776	10,523	1,606	29,905	2,458	32,363
		£'000	£'000	£'000	£'000	£'000	£'000
Value of Production (g)	1952	51,257	47,176	3,979	102,412	7,259	109,671
	1953	46,234	46,239	4,858	97,331	7,544	104,875
	1954	53,853	48,187	5,619	107,659	10,428	118,087
	1955	66,754	47,596	5,769	120,119	12,389	132,508
		£'000	£'000	£'000	£'000	£'000	£'000
Value of Additions and Replacements to Fixed Assets (d)	1952	8,884	8,103	1,038	18,025	(h)	(h)
	1953	8,004	8,910	704	17,618	140	17,758
	1954	6,834	8,008	549	15,391	256	15,647
	1955	7,817	6,490	2,718	17,025	304	17,329
		£'000	£'000	£'000	£'000	£'000	£'000

(a) Incomplete for some industries outside the normal administrative control of Mines Departments (e.g. Clays and Salt). (b) Incomplete in some States. (c) Average number employed (including working proprietors) during whole year for 1953, 1954 and 1955, and during period worked by individual mines and quarries in 1952. (d) Excludes mines and quarries employing less than four persons. (e) Excludes drawings by working proprietors; the amounts are net after deducting value of explosives sold to employees. (f) Value of mine or quarry. (g) Value of output less cost of power, fuel and light and other materials and stores used; depreciation and maintenance costs have not been deducted. (h) Not available.

In Table 2, the same items for total mining and quarrying operations during the year 1955 are shown for each State and Territory. Of the total value of production of mines and quarries of £132,508,000 in 1955, New South Wales contributed £69,262,000 (52.3 per cent.); Queensland £21,732,000 (16.4 per cent.) and Western Australia £14,143,000 (10.7 per cent.).

TABLE 2 : SUMMARY OF MINING AND QUARRYING OPERATIONS - STATES AND TERRITORIES, 1955

State	Mines and Quarries	Persons Employed (a)	Salaries and Wages Paid (b)(c)	Value of Output (d)	Total Fuel, Materials etc. Used	Value of Production (e)	Value of Additions & Replacements to Fixed Assets (b)
			£'000	£'000	£'000	£'000	£'000
New South Wales	846	29,207	31,450	84,244	14,982	69,262	7,015
Victoria	243	4,508	4,439	10,917	2,050	8,867	1,942
Queensland	570	8,694	9,287	26,892	5,160	21,732	3,213
South Australia	475	2,230	1,714	10,512	2,060	8,452	1,500
Western Australia	272	8,283	8,345	19,746	5,603	14,143	2,213
Tasmania	71	2,820	2,983	10,744	2,132	8,612	673
Northern Territory	121	501	534	1,691	314	1,377	763
Aust. Cap. Terr.	4	35	29	125	62	63	10
AUSTRALIA:	2,602	56,278	58,781	164,871	32,363	132,508	17,329

(a) Average number employed (including working proprietors) during whole year.

(b) Excludes mines and quarries employing less than four persons (less than five persons in Western Australia). (c) Excludes drawings by working proprietors; the amounts are net after deducting value of explosives sold to employees. (d) Value at mine or quarry. (e) Value of output less cost of power, fuel and light and other materials and stores used; depreciation and maintenance costs have not been deducted.

The value of output for the mining and quarrying industry in each State or Territory for the years 1952 to 1955 is shown in the next table, together with a preliminary estimate for the year 1956.

TABLE 3 : MINING AND QUARRYING : VALUE OF OUTPUT (a), 1952 TO 1956

(£'000)

State or Territory	1952	1953	1954	1955	1956 (b)
New South Wales	77,097	72,346	78,202	84,244	88,780
Victoria	8,535	9,329	10,080	10,917	11,347
Queensland	17,429	17,284	21,602	26,892	27,401
South Australia	6,047	6,203	8,580	10,512	11,826
Western Australia	17,704	20,011	20,736	19,746	20,245
Tasmania	8,750	8,037	8,955	10,744	11,007
Northern Territory	1,282	1,221	1,145	1,691	2,789
Australian Capital Territory	(c)	111	103	125	100
AUSTRALIA:	136,844	134,542	149,403	164,871	173,495

(a) Value at mine or quarry. (b) Subject to revision. (c) Not available.

III. DETAILED STATISTICS OF MINING AND QUARRYING OPERATIONS

TABLE 4 - MINING AND QUARRYING : NUMBER OF MINES AND QUARRIES, 1954 AND 1955

Industry	1954	1955								
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining:</u>										
Gold Mining	219	39	40	(a)46	(a)7	(a)35	-	24	-	191
Silver-Lead-Zinc Mining	61	30	-	22	3	23	5	-	-	83
Copper-Gold Mining	113	13	-	105	4	2	1	5	-	130
Tin Mining	212	54	-	125	-	11	29	8	-	227
Mineral Sands Mining	14	11	-	6	-	-	-	-	-	17
Other Metal Mining	199	37	3	68	2	64	3	45	-	222
<u>Total Metal Mining</u>	818	184	43	372	16	135	38	82	-	870
<u>Fuel Mining:</u>										
Black Coal Mining:										
Underground	(b)259	137	5	83	-	12	(b)11	-	-	(b)248
Open-cut	20	7	-	5	1	4	-	-	-	17
<u>Total Black Coal Mining</u>	279	144	5	88	1	16	11	-	-	265
Brown Coal Mining	7	-	7	-	-	-	-	-	-	7
Oil Mining	20	2	3	(c)	-	(c)	-	-	-	5
<u>Total Fuel Mining</u>	306	146	15	68	1	16	11	-	-	277
<u>Non-Metal (excluding Fuel) Mining:</u>										
Clays (d)	271	189	21	47	47	7	7	-	1	319
Gypsum	30	6	8	-	8	5	-	-	-	27
Limestone	92	27	10	17	23	2	7	-	-	86
Salt (d)	19	-	(c)	1	20	(c)	-	-	-	21
Other Non-Metal (excluding Fuel) Mining	271	63	5	13	101	67	2	39	-	290
<u>Total Non-Metal (excl. Fuel) Mining</u>	683	285	44	78	199	81	16	39	1	743
<u>Total All Mining</u>	1,807	615	102	538	216	232	65	121	1	1,890
<u>Construction Material Quarrying (d)</u>	687	231	141	32	259	40	6	-	3	712
<u>TOTAL, ALL MINING AND QUARRYING</u>	2,494	846	243	570	475	272	71	121	4	2,602

(a) Includes custom batteries and mills. (b) Includes one mine operating both underground and opencut workings. (c) Not available.

(d) Incomplete; see Section I. Scope of Statistics.

TABLE 5 - MINING AND QUARRYING : AVERAGE NUMBER OF PERSONS EMPLOYED (INCLUDING WORKING PROPRIETORS) DURING PERIOD WORKED, 1954 AND 1955

Industry	1954	1955								
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
Metal Mining:										
Gold Mining	7,324	163	436	145	14	5,822	-	298	-	6,878
Silver-Lead-Zinc Mining	9,607	6,765	-	(a)	(b)	(a)	727	-	-	10,142
Copper-Gold Mining	2,147	60	-	(a)	(b)	(a)	(a)	154	-	2,234
Tin Mining	1,153	164	-	375	-	117	452	11	-	1,119
Mineral Sands Mining	605	503	-	409	-	-	-	-	-	912
Other Metal Mining	1,339	103	6	(a)	388	311	(a)	87	-	1,404
Total Metal Mining	22,175	7,758	442	4,927	402	6,345	2,265	550	-	22,689
Fuel Mining:										
Black Coal Mining:										
Underground	) 26,719 (	18,840	728	3,490	-	) 1,520	367	-	-	25,856
Open-out		420	-	211	280					
Total Black Coal Mining	26,719	19,260	728	3,701	280	1,520	367	-	-	25,856
Brown Coal Mining	1,598	-	1,655	-	-	-	-	-	-	1,655
Oil Mining	111	(c)	46	129	-	(d)	-	-	-	175
Total Fuel Mining	28,418	19,260	2,429	3,830	280	1,520	367	-	-	27,686
Non-Metal (excluding Fuel) Mining:										
Clays (e)	982	492	93	92	181	11	46	-	(f)	915
Gypsum	201	45	31	-	114	17	-	-	-	207
Limestone	894	371	173	(a)	173	(a)	96	-	-	994
Salt (e)	185	-	(d)	(a)	(a)	(d)	-	-	-	184
Other Non-Metal (excluding Fuel) Mining	872	352	8	19	(a)	(a)	9	40	-	953
Total Non-Metal (excl. Fuel) Mining	3,134	1,260	305	287	877	333	151	40	(f)	3,253
Total All Mining	53,737	28,278	3,176	9,044	1,559	8,198	2,783	590	(f)	53,628
Construction Material Quarrying (e)	4,442	1,245	1,587	250	1,220	303	57	-	36	4,698
TOTAL ALL MINING AND QUARRYING	58,179	29,523	4,763	9,294	2,779	8,501	2,840	590	36	58,326

(a) Not available for publication. (b) Not available for publication; included with "Other Metal Mining". (c) Not available for publication; included with "Other Non-Metal Mining". (d) Not available. (e) Incomplete; see Section I - Scope of Statistics. (f) Not available for publication; included with "Construction Material Quarrying".

TABLE 6 : MINING AND QUARRYING : AVERAGE NUMBER OF PERSONS EMPLOYED (INCLUDING WORKING PROPRIETORS) DURING WHOLE YEAR, 1954 AND 1955

Industry	1954	1955								
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining:</u>										
Gold Mining	7,192	119	418	114	10	5,822	-	270	-	6,753
Silver-Lead-Zinc Mining	9,397	6,710	-	(a)	(b)	(a)	727	-	-	10,076
Copper-Gold Mining	1,957	45	-	(a)	(b)	(a)	(a)	145	-	2,062
Tin Mining	969	132	-	250	-	106	438	11	-	937
Mineral Sands Mining	598	485	-	406	-	-	-	-	-	891
Other Metal Mining	1,253	66	6	(a)	377	311	(a)	51	-	1,273
<u>Total Metal Mining:</u>	21,366	7,557	424	4,570	387	6,326	2,251	477	-	21,992
<u>Fuel Mining:</u>										
Black Coal Mining:										
Underground	} 26,614 {	18,840	687	3,415	-	} 1,432	367	-	-	25,644
Open-cut		420	-	203	280		-	-	-	
<u>Total Black Coal Mining</u>	26,614	19,260	687	3,618	280	1,432	367	-	-	25,644
Brown Coal Mining	1,598	-	1,502	-	-	-	-	-	-	1,502
Oil Mining	56	(c)	16	52	-	(d)	-	-	-	68
<u>Total Fuel Mining</u>	28,268	19,260	2,205	3,670	280	1,432	367	-	-	27,214
<u>Non-Metal (excluding Fuel) Mining:</u>										
Clays (e)	914	473	84	62	137	11	46	-	(f)	813
Gypsum	197	45	29	-	110	17	-	-	-	201
Limestone	839	347	171	(a)	156	(a)	96	-	-	929
Salt (e)	114	-	(a)	(a)	(a)	(d)	-	-	-	125
Other Non-metal (excluding Fuel) Mining	794	280	8	10	(a)	(a)	6	24	-	807
<u>Total Non-Metal (excl. Fuel) Mining</u>	2,858	1,145	292	236	707	323	148	24	(f)	2,875
<u>Total All Mining</u>	52,492	27,962	2,921	8,476	1,374	8,081	2,766	501	(f)	52,081
<u>Construction Material Quarrying (e)</u>	4,121	1,245	1,587	218	856	202	54	-	35	4,197
<u>TOTAL ALL MINING AND QUARRYING</u>	56,613	29,207	4,508	8,694	2,230	8,283	2,820	501	35	56,278

(a) Not available for publication. (b) Not available for publication; included with "Other Metal Mining". (c) Not available for publication; included with "Other Non-Metal Mining". (d) Not available. (e) Incomplete; see Section I - Scope of Statistics. (f) Not available for publication; included with "Construction Material Quarrying".

TABLE 7 - MINING AND QUARRYING, WORKING PROPRIETORS, SALARIED STAFF AND WAGE EARNERS ON LAST FULL WORKING DAY IN 1954 AND 1955 - AUSTRALIA

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

Industry	1954		1955							
	Total Persons Employed (a)	Working Proprietors	Salaried Staff		Wage Earners		Total Persons Employed			
			Above Ground	Below Ground	Above Ground	Below Ground	Males	Females	Total	
<u>Metal Mining:</u>										
Gold Mining	5,964	23	435	276	2,400	2,601	5,676	59	5,735	
Silver-Lead-Zinc Mining	9,684	4	1,036	547	3,415	5,274	10,086	190	10,276	
Copper-Gold Mining	1,909	5	196	11	1,629	149	1,941	49	1,990	
Tin Mining	828	25	62	3	499	189	774	4	778	
Mineral Sands Mining	669	3	83	-	971	-	1,034	23	1,057	
Other Metal Mining	1,048	1	135	8	921	98	1,126	37	1,163	
<u>Total Metal Mining</u>	20,102	61	1,947	845	9,835	8,311	20,637	362	20,999	
<u>Fuel Mining:</u>										
Black Coal Mining	26,483	97	981	264	7,289	16,383	24,933	81	25,014	
Brown Coal Mining	1,523	5	146	-	1,503	4	1,654	4	1,658	
Oil Mining	107	5	36	-	84	-	124	1	125	
<u>Total Fuel Mining</u>	28,113	107	1,163	264	8,876	16,387	26,711	86	26,797	
<u>Non-Metal (excl. Fuel) Mining:</u>										
Clays (b)	214	12	15	-	431	13	469	2	471	
Gypsum	142	4	13	-	149	2	168	-	168	
Limestone	794	21	55	-	837	-	911	2	913	
Salt (b)	197	-	16	-	203	-	219	-	219	
Other Non-Metal (excl. Fuel) Mining	473	8	38	7	353	59	455	10	465	
<u>Total Non-Metal (excl. Fuel) Mining</u>	1,820	45	137	7	1,973	74	2,222	14	2,236	
<u>Total All Mining</u>	50,035	213	3,247	1,116	20,684	24,772	49,570	462	50,032	
<u>Construction Material Quarrying (b)</u>	2,712	35	65	-	2,793	-	2,853	40	2,893	
<u>TOTAL ALL MINING AND QUARRYING</u>	52,747	248	3,312	1,116	23,477	24,772	52,423	502	52,925	

(a) The total for All Mining and Quarrying consists of: Working Proprietors 300; Salaried Staff - Above Ground 3,375, Below Ground 1,001; Wage Earners - Above Ground 22,838, Below Ground 25,233. Included in the total persons employed were 52,267 males and 480 females.

(b) Incomplete; see Section I - Scope of Statistics.

TABLE 8 : MINING AND QUARRYING : SALARIES AND WAGES PAID CLASSIFIED ACCORDING TO INDUSTRY (a)
DURING 1954 AND 1955

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

Industry	1954	1955								
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining:</u>										
Gold Mining	6,450	86	362	(b)	-	5,482	-	(b)	-	6,344
Silver-Lead-Zinc Mining	12,761	10,646	-	(b)	-	(b)	726	-	-	15,154
Copper-Gold Mining	1,786	32	-	(b)	-	-	(b)	(b)	-	1,867
Tin Mining	704	65	-	152	-	77	440	-	-	734
Mineral Sands Mining	412	442	-	377	-	-	-	-	-	819
Other Metal Mining	1,195	55	8	-	404	(b)	(b)	24	-	1,328
<u>Total Metal Mining</u>	23,308	11,326	370	5,204	404	5,949	2,459	534	-	26,246
<u>Fuel Mining:</u>										
Black Coal Mining	25,988	19,274	622	3,652	288	1,862	367	-	-	26,065
Brown Coal Mining	1,557	-	1,761	-	-	-	-	-	-	1,761
Oil Mining	(c)	(c)	(c)	(c)	-	(d)	-	-	-	(c)
<u>Total Fuel Mining</u>	27,545	19,274	2,383	3,652	288	1,862	367	-	-	27,826
<u>Non-Metal (excluding Fuel) Mining:</u>										
Clays (e)	141	241	57	-	70	-	30	-	(f)	398
Gypsum	101	45	(b)	-	(b)	-	-	-	-	129
Limestone	769	344	192	(b)	139	(b)	71	-	-	935
Salt (e)	94	-	-	(b)	(b)	-	-	-	-	113
Other Non-Metal (excluding Fuel) Mining	588	220	(b)	82	64	(b)	4	-	-	695
<u>Total Non-Metal (excl. Fuel) Mining</u>	1,693	850	285	268	448	314	105	-	(f)	2,270
<u>Total All Mining</u>	52,546	31,450	3,038	9,124	1,140	8,125	2,931	534	(f)	56,342
<u>Construction Material Quarrying (e)</u>	2,045	(d)	1,401	163	574	220	52	-	29	2,439
<u>TOTAL ALL MINING AND QUARRYING</u>	54,591	31,450	4,439	9,287	1,714	8,345	2,983	534	29	58,781

(a) Excludes drawings by Working Proprietors; the amounts shown are net after deductions for explosives sold to employees. (b) Not available for publication. (c) Not available for publication; included with "Other Non-Metal Mining". (d) Not available. (e) Incomplete; see Section I Scope of Statistics. (f) Not available for publication; included with "Construction Material Quarrying".

TABLE 9 : METAL AND FUEL MINING : SALARIES AND WAGES PAID (a) DURING 1954 AND 1955

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

('000)

Industry and Item	1954				1955					
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining:</u>										
Salaries	3,991	2,048	43	753	25	664	340	83	-	3,956
Wages	19,317	9,278	327	4,451	379	5,285	2,119	451	-	22,290
<u>Total Salaries and Wages:</u>	23,308	11,326	370	5,204	404	5,949	2,459	534	-	26,246
<u>Fuel Mining (b):</u>										
Salaries	1,474	1,088	216	251	62	47	16	-	-	1,680
Wages	26,071	18,186	2,167	3,401	226	1,815	351	-	-	26,145
<u>Total Salaries and Wages:</u>	27,545	19,274	2,383	3,652	288	1,862	367	-	-	27,826
<u>Non-Metal (excl. Fuel) Mining (b) -</u>										
Salaries	181	82	24	38	49	63	8	-	(c)	264
Wages	1,512	768	261	230	399	251	97	-	(c)	2,006
<u>Total Salaries and Wages:</u>	1,693	850	285	268	448	314	105	-	(c)	2,270
<u>Construction Material Quarrying (b) -</u>										
Salaries	60	(d)	-	11	35	20	3	-	5	74
Wages	1,985	(d)	1,401	152	539	200	49	-	24	2,365
<u>Total Salaries and Wages:</u>	2,045	(d)	1,401	163	574	220	52	-	29	2,439
<u>Total All Mining and Quarrying -</u>										
Salaries:										
Males	5,530	3,097	282	1,041	164	766	357	80	5	5,792
Females	176	121	1	12	7	28	10	3	-	182
<u>Total Salaries:</u>	5,706	3,218	283	1,053	171	794	367	83	5	5,974
Wages:										
Males	48,785	28,216	4,145	8,162	1,537	7,530	2,607	451	24	52,672
Females	100	16	11	72	6	21	9	-	-	135
<u>Total Wages:</u>	48,885	28,232	4,156	8,234	1,543	7,551	2,616	451	24	52,807
<u>Total Salaries and Wages:</u>	54,591	31,450	4,439	9,287	1,714	8,345	2,983	534	29	58,781

(a) Excludes drawings by working proprietors. Value of explosives sold to employees have been deducted from wages paid to male employees.

(b) Incomplete. (c) Not available for publication; included with "Construction Material Quarrying". (d) Not available.

TABLE 10 : MINING AND QUARRYING : VALUE OF POWER, FUEL AND LIGHT USED DURING 1954 AND 1955

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

(£'000)

Industry	1954	1955								
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining:</u>										
Gold Mining	1,406	41	64	(a)	-	1,147	-	(a)	-	1,314
Silver-Lead-Zinc Mining	1,931	1,750	-	(a)	-	(a)	50	-	-	2,378
Copper-Gold Mining	234	4	-	(a)	-	-	(a)	(a)	-	267
Tin Mining	148	14	-	76	-	11	34	-	-	135
Mineral Sands Mining	136	102	-	76	-	-	-	-	-	178
Other Metal Mining	156	5	-	-	53	(a)	(a)	1	-	181
<u>Total Metal Mining</u>	4,011	1,916	64	891	53	1,218	237	74	-	4,453
<u>Fuel Mining:</u>										
Black Coal Mining	2,246	1,674	71	229	21	214	9	-	-	2,218
Brown Coal Mining	91	-	132	-	-	-	-	-	-	132
Oil Mining	-	-	2	-	-	(b)	-	-	-	2
<u>Total Fuel Mining</u>	2,337	1,674	205	229	21	214	9	-	-	2,352
<u>Non-Metal (excl. Fuel) Mining</u>										
Clays (c)	22	27	19	-	(a)	-	(a)	-	-	52
Gypsum	28	16	4	-	17	-	-	-	-	37
Limestone	168	69	50	36	21	-	7	-	-	183
Salt (c)	13	-	-	-	15	-	-	-	-	15
Other Non-Metal (excl. Fuel) Mining	68	23	-	-	(a)	38	(a)	-	-	66
<u>Total Non-Metal (excl. Fuel) Mining</u>	299	135	73	36	62	38	9	-	-	353
<u>Total All Mining</u>	6,647	3,725	342	1,156	136	1,470	255	74	-	7,158
<u>Construction Material Quarrying (c)</u>	316	-	245	13	88	35	6	-	4	391
<u>TOTAL ALL MINING AND QUARRYING</u>	6,963	3,725	587	1,169	224	1,505	261	74	4	7,549

(a) Not available for publication.

(b) Not available.

(c) Incomplete; see Section I - Scope of Statistics.

TABLE 11 : MINING AND QUARRYING : POWER, FUEL AND LIGHT USED DURING 1955, AUSTRALIA

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

Industry	1954	1955						
	Total Power Fuel and Light Used	Coal	Coke	Wood	Fuel Oil, Petrol, etc.	Electricity Purchased	Other Fuels	Total Power Fuel and Light Used
	£'000	Tons	Tons	Tons	'000 gals.	£'000	£'000	£'000
<u>Metal Mining:</u>								
Gold Mining	1,406	89	172	58,255	7,791	378	47	1,314
Silver-Lead-Zinc Mining	1,931	2,311	1,324	1,229	336	1,953	349	2,378
Copper-Gold Mining	234	23,000	113	22	397	67	42	267
Tin Mining	148	13,747	2	11,993	122	30	1	135
Mineral Sands Mining	136	1,183	1	7,671	712	88	(a)	178
Other Metal Mining	156	-	24	770	928	33	23	181
<u>Total Metal Mining</u>	4,011	40,330	1,636	79,940	10,286	2,549	462	4,453
<u>Fuel Mining:</u>								
Black Coal Mining	2,246	159,984	12	-	1,322	1,515	14	2,218
Brown Coal Mining	91	-	-	-	226	96	-	132
Oil Mining	-	-	-	-	2	-	-	2
<u>Total Fuel Mining</u>	2,337	159,984	12	-	1,550	1,611	14	2,352
<u>Non-Metal (excl. Fuel) Mining:</u>								
Clays (b)	22	-	-	670	49	4	13	(c)52
Gypsum	28	-	-	-	247	-	-	37
Limestone	168	4,626	7	1,020	227	85	34	183
Salt (b)	13	-	-	-	52	8	-	15
Other Non-Metal (excl. Fuel) Mining	68	-	-	1,780	588	3	(a)	66
<u>Total Non-Metal (excl. Fuel) Mining</u>	299	4,626	7	3,470	1,163	100	47	353
<u>Total All Mining</u>	6,647	204,940	1,655	83,410	12,999	4,260	523	7,158
<u>Construction Material Quarrying (b)</u>	316	-	18	-	621	63	6	(d)391
<u>TOTAL ALL MINING AND QUARRYING</u>	6,963	204,940	1,673	83,410	13,620	4,323	529	7,549
<u>TOTAL VALUE ALL MINING AND QUARRYING</u>		£'000	£'000	£'000	£'000			
	6,963	730	16	245	1,436	4,323	529	7,549

(a) Less than £500. (b) Incomplete; see Section I - Scope of Statistics. (c) Includes £27,000 for New South Wales, which was not available in previous years. This amount cannot be distributed by items. (d) Includes £245,000 for Victoria which is not available for distribution by items.

TABLE 12 - MINING AND QUARRYING : VALUE OF MATERIALS AND STORES (a) (OTHER THAN POWER, FUEL AND LIGHT) USED DURING 1954 AND 1955

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

Industry	1954	1955								
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining:</u>										
Gold Mining	3,639	68	143	(b)	-	3,185	-	(b)	-	3,548
Silver-Lead-Zinc Mining	6,785	4,450	-	(b)	-	(b)	230	-	-	6,288
Copper-Gold Mining	1,560	8	-	(b)	-	-	(b)	(b)	-	1,750
Tin Mining	182	16	-	35	-	29	109	-	-	189
Mineral Sands Mining	310	211	-	224	-	-	-	-	-	435
Other Metal Mining	726	8	(c)	-	356	(b)	(b)	3	-	988
<u>Total Metal Mining</u>	13,202	4,761	143	2,594	356	3,393	1,711	240	-	13,198
<u>Fuel Mining:</u>										
Black Coal Mining	7,985	6,079	76	1,025	146	418	104	-	-	7,848
Brown Coal Mining	319	-	321	-	-	-	-	-	-	321
Oil Mining	-	-	-	-	-	(d)	-	-	-	-
<u>Total Fuel Mining</u>	8,304	6,079	397	1,025	146	418	104	-	-	8,169
<u>Non-Metal (excl. Fuel) Mining:</u>										
Clays (e)	(f) 31	84	13	-	15	-	3	-	(g)	115
Gypsum	60	29	7	-	47	-	-	-	-	83
Limestone	595	233	225	113	109	(b)	(b)	-	-	728
Salt (e)	76	-	-	-	125	-	-	-	-	125
Other Non-Metal (excl. Fuel) Mining	192	49	-	-	22	(b)	(b)	-	-	125
<u>Total Non-Metal (excl. Fuel) Mining</u>	954	395	245	113	318	70	35	-	(g)	1,176
<u>Total All Mining</u>	22,460	11,235	785	3,732	820	3,881	1,850	240	(g)	22,543
<u>Construction Material Quarrying (e)</u>	1,444	-	675	131	779	184	15	-	58	1,842
<u>TOTAL ALL MINING AND QUARRYING</u>	23,904	11,235	1,460	3,863	1,599	4,065	1,865	240	58	24,385

(a) Including value of explosives sold to employees. (b) Not available for publication. (c) Less than £500. (d) Not available.
(e) Incomplete; see Section I - Scope of Statistics. (f) Excludes New South Wales. (g) Not available for publication; included with "Construction Material Quarrying".

TABLE 13 - METAL AND FUEL MINING : VALUE OF MATERIALS AND STORES (OTHER THAN POWER, FUEL AND LIGHT) USED DURING 1954 AND 1955

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

(£'000)

Industry and Material	1954				1955				
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	AUSTRALIA
Metal Mining:									
Timber	1,372	1,118	10	79	-	147	69	5	1,428
Explosives -									
Sold to employees	458	131	17	74	-	-	21	8	251
Other	1,042	82	6	237	116	544	184	8	1,177
Other Materials (a)	10,330	3,430	110	2,204	240	2,702	1,437	219	10,342
TOTAL:	13,202	4,761	143	2,594	356	3,393	1,711	240	13,198
Fuel Mining:									
Timber	1,514	1,218	27	167	-	65	14	-	1,491
Explosives -									
Sold to employees	211	89	11	93	-	1	-	-	194
Other	1,260	824	8	132	24	104	23	-	1,115
Other Materials (a)	5,319	3,948	351	633	122	248	67	-	5,369
TOTAL:	8,304	6,079	397	1,025	146	418	104	-	8,169
Metal and Fuel Mining:									
Timber	2,886	2,336	37	246	-	212	83	5	2,919
Explosives -									
Sold to employees	669	220	28	167	-	1	21	8	445
Other	2,302	906	14	369	140	648	207	8	2,292
Other Materials (a)	15,642	7,378	461	2,837	362	2,950	1,504	219	15,711
TOTAL:	21,506	10,840	540	3,619	502	3,811	1,815	240	21,367

(a) Includes mining and ore-dressing materials and stores, repairs, water, lubricating oil, etc.

TABLE 14 - MINING AND QUARRYING : VALUE OF POWER, FUEL, LIGHT, MATERIALS AND STORES, ETC. USED (a), 1954 AND 1955

(£'000)

Industry	1954	1955								
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining:</u>										
Gold Mining	5,062	112	209	46	4	4,332	-	175	-	4,878
Silver-Lead-Zinc Mining	8,719	6,201	-	(b)	(c)	(b)	281	-	-	8,672
Copper-Gold Mining	1,808	13	-	(b)	(c)	(b)	(b)	134	-	2,053
Tin Mining	351	35	-	138	-	40	145	-	-	358
Mineral Sands Mining	446	313	-	301	-	-	-	-	-	614
Other Metal Mining	911	13	(d)	(b)	410	216	(b)	5	-	1,201
<u>Total Metal Mining</u>	17,297	6,692	209	3,570	414	4,626	1,951	314	-	17,776
<u>Fuel Mining:</u>										
Black Coal Mining	10,231	7,753	147	1,254	167	632	115	-	-	10,068
Brown Coal Mining	411	-	453	-	-	-	-	-	-	453
Oil Mining	-	-	2	-	-	(e)	-	-	-	2
<u>Total Fuel Mining</u>	10,642	7,753	602	1,254	167	632	115	-	-	10,523
<u>Non-Metal (excl. Fuel) Mining:</u>										
Clays (f)	165	111	32	26	30	1	5	-	(g)	205
Gypsum	102	46	12	-	69	-	-	-	-	127
Limestone	776	303	274	(b)	135	(b)	39	-	-	921
Salt (f)	98	-	-	(b)	(b)	-	-	-	-	149
Other Non-Metal (excl. Fuel) Mining	281	77	1	(d)	(b)	(b)	1	-	-	204
<u>Total Non-Metal (excl. Fuel) Mining</u>	1,422	537	319	179	417	109	45	-	(g)	1,606
<u>Total All Mining</u>	29,361	14,982	1,130	5,003	998	5,367	2,111	314	(g)	29,905
<u>Construction Material Quarrying (f)</u>	1,955	-	920	157	1,062	236	21	-	62	2,458
<u>TOTAL ALL MINING AND QUARRYING</u>	31,316	14,982	2,050	5,160	2,060	5,603	2,132	314	62	32,363

(a) Includes estimates for mines and quarries employing less than four persons (less than five persons in Western Australia).

(b) Not available for publication. (c) Not available for publication; included with "Other Metal Mining". (d) Less than £500. (e) Not available. (f) Incomplete; see Section I - Scope of Statistics. (g) Not available for publication; included with "Construction Material Quarrying".

TABLE 15 - MINING AND QUARRYING : VALUE OF OUTPUT (a), 1954 AND 1955

(£'000)

Industry	1954	1955								
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining:</u>										
Gold Mining	15,707	283	640	295	1	13,449	-	866	-	15,534
Silver-Lead-Zinc Mining	38,905	31,950	-	(b)	(c)	(b)	2,669	-	-	49,143
Copper-Gold Mining	5,568	23	-	(b)	(c)	(b)	(b)	611	-	6,559
Tin Mining	1,909	216	-	575	-	90	1,128	3	-	2,012
Mineral Sands Mining	1,933	2,120	-	1,295	-	-	-	-	-	3,415
Other Metal Mining	7,128	78	20	(b)	3,702	1,116	(b)	146	-	7,867
<u>Total Metal Mining</u>	71,150	34,670	660	19,303	3,703	14,725	9,843	1,626	-	84,530
<u>Fuel Mining:</u>										
Black Coal Mining	54,884	41,715	815	6,729	778	3,089	611	-	-	53,737
Brown Coal Mining	3,945	-	4,382	-	-	-	-	-	-	4,382
Oil Mining	-	-	-	-	-	-	-	-	-	-
<u>Total Fuel Mining</u>	58,829	41,715	5,197	6,729	778	3,089	611	-	-	58,119
<u>Non-Metal (excluding Fuel) Mining:</u>										
Clays (d)	1,918	845	474	92	241	254	51	-	(e)	1,957
Gypsum	433	191	87	-	243	30	-	-	-	551
Limestone	2,678	842	561	(b)	775	(b)	131	-	-	2,835
Salt (d)	621	-	-	(b)	(b)	-	-	-	-	592
Other Non-Metal (excluding Fuel) Mining	1,391	439	6	11	(b)	(b)	12	65	-	1,440
<u>Total Non-Metal (excl. Fuel) Mining</u>	7,041	2,317	1,128	493	2,128	1,050	194	65	(e)	7,375
<u>Total All Mining</u>	137,020	78,702	6,985	26,525	6,609	18,864	10,648	1,691	(e)	150,024
<u>Construction Material Quarrying (d)</u>	12,383	5,542	3,932	367	3,903	882	96	-	125	14,847
<u>TOTAL ALL MINING AND QUARRYING</u>	149,403	84,244	10,917	26,892	10,512	19,746	10,744	1,691	125	164,871

(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) Included with "Other Metal Mining". (d) Incomplete; see Section I - Scope of Statistics. (e) Not available for publication; included with "Construction Material Quarrying".

TABLE 16 - MINING AND QUARRYING : VALUE OF PRODUCTION (a), 1954 AND 1955

(£'000)

Industry	1954	1955								
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining:</u>										
Gold Mining	10,645	171	431	249	(b)(-)3	9,117	-	691	-	10,656
Silver-Lead-Zinc Mining	30,186	25,749	-	(c)	(d)	(c)	2,388	-	-	40,471
Copper-Gold Mining	3,760	10	-	(c)	(d)	(c)	(c)	477	-	4,506
Tin Mining	1,558	181	-	437	-	50	983	3	-	1,654
Mineral Sands Mining	1,486	1,807	-	994	-	-	-	-	-	2,801
Other Metal Mining	6,218	60	20	(c)	3,292	900	(c)	14	-	6,666
<u>Total Metal Mining</u>	53,853	27,978	451	15,733	3,289	10,099	7,892	1,312	-	66,754
<u>Fuel Mining:</u>										
Black Coal Mining	44,653	33,962	668	5,475	611	2,457	496	-	-	43,669
Brown Coal Mining	3,534	-	3,929	-	-	-	-	-	-	3,929
Oil Mining	-	-	(b)(-)2	-	-	-	-	-	-	(b)(-)2
<u>Total Fuel Mining</u>	48,187	33,962	4,595	5,475	611	2,457	496	-	-	47,596
<u>Non-Metal (excluding Fuel) Mining:</u>										
Clays (e)	1,753	734	442	66	211	253	46	-	(f)	1,752
Gypsum	331	145	75	-	174	30	-	-	-	424
Limestone	1,902	539	287	(c)	640	(c)	92	-	-	1,914
Salt (c)	523	-	-	(c)	(c)	-	-	-	-	443
Other Non-Metal (excluding Fuel) Mining	1,110	362	5	11	(c)	(c)	11	65	-	1,236
<u>Total Non-Metal (excl. Fuel) Mining</u>	5,619	1,780	809	314	1,711	941	149	65	(f)	5,769
<u>Total All Mining</u>	107,659	63,720	5,855	21,522	5,611	13,497	8,537	1,377	(f)	120,119
<u>Construction Material Quarrying (e)</u>	10,428	5,542	3,012	210	2,841	646	75	-	63	12,389
<u>TOTAL ALL MINING AND QUARRYING</u>	118,087	69,262	8,867	21,732	8,452	14,143	8,612	1,377	63	132,508

(a) Value of output at mine or quarry less cost of power, fuel, light and other materials and stores used; depreciation and maintenance costs have not been deducted. (b) Cost of materials used etc. exceeds value of output. (c) Not available for publication. (d) Included with "Other Metal Mining". (e) Incomplete; see Section I - Scope of Statistics. (f) Not available for publication, included with "Construction Material Quarrying".

TABLE 17 - MINING AND QUARRYING : SALARIES AND WAGES PAID, AND VALUE OF POWER, FUEL AND LIGHT, MATERIALS USED,
AND VALUE OF OUTPUT AND PRODUCTION : AUSTRALIA, 1955
(£'000)

Industry	Salaries and Wages Paid (a)(b)	Power, Fuel and Light (b)	Stores, Other Materials (b) (c)	Total, Power, Fuel, Light, Materials (c)(d)	Value of Output (e)	Value of Production (f)
<u>Metal Mining:</u>						
Gold Mining	6,344	1,314	3,548	4,878	15,534	10,656
Silver-Lead-Zinc Mining	15,154	2,378	6,288	8,672	47,143	40,471
Copper-Gold Mining	1,867	267	1,750	2,053	6,559	4,506
Tin Mining	734	135	189	358	2,012	1,654
Mineral Sands Mining	819	178	435	614	3,415	2,801
Other Metal Mining	1,328	181	988	1,201	7,867	6,666
<u>Total Metal Mining</u>	26,246	4,453	13,198	17,776	84,530	66,754
<u>Fuel Mining:</u>						
Black Coal Mining	26,065	2,218	7,848	10,068	53,737	43,669
Brown Coal Mining	1,761	132	321	453	4,382	3,929
Oil Mining	(g)	2	-	2	-	(h)(-)
<u>Total Fuel Mining</u>	27,826	2,352	8,169	10,523	58,119	47,596
<u>Non-Metal (excluding Fuel) Mining:</u>						
Clays (i)	398	52	115	205	1,957	1,752
Gypsum	129	37	83	127	551	424
Limestone	935	183	728	921	2,835	1,914
Salt (i)	113	15	125	149	592	443
Other Non-Metal (excluding Fuel) Mining	695	66	125	204	1,440	1,235
<u>Total Non-Metal (excluding Fuel) Mining</u>	2,270	353	1,176	1,606	7,375	5,769
<u>Total All Mining</u>	56,342	7,158	22,543	29,905	150,024	120,119
<u>Construction Material Quarrying (i)</u>	2,439	391	1,842	2,458	14,847	12,389
<u>TOTAL ALL MINING AND QUARRYING</u>	58,781	7,549	24,385	32,363	164,871	132,508

(a) Excludes drawings by working proprietors; the amounts shown are net after deductions for explosives sold to 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 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 or quarry, less costs of power, fuel and light and other materials and stores used. (g) Not available for publication; included with "Other Non-Metal (excluding Fuel) Mining". (h) Cost of materials used etc. exceeds value of output. (i) Incomplete; see Section I - Scope of Statistics.

TABLE 18 - MINING AND QUARRYING : VALUE OF TOTAL FIXED ASSETS AT END OF 1954 AND 1955

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

(£'000)

Industry	1954				1955					
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining:</u>										
Gold Mining	12,700	154	1,322	(a)	-	9,640	-	(a)	-	12,186
Silver-Lead-Zinc Mining	20,920	15,539	-	(a)	-	(a)	747	-	-	21,474
Copper-Gold Mining	3,566	39	-	(a)	-	-	(a)	(a)	-	3,841
Tin Mining	1,788	87	-	1,346	-	391	409	-	-	2,233
Mineral Sands Mining	901	691	-	776	-	-	-	-	-	1,467
Other Metal Mining	4,155	320	11	-	1,518	(a)	(a)	(a)	-	4,813
<u>Total Metal Mining</u>	44,030	16,830	1,333	9,547	1,518	11,667	3,173	1,946	-	46,014
<u>Fuel Mining:</u>										
Black Coal Mining	27,948	21,911	255	2,538	1,720	1,555	259	-	-	28,238
Brown Coal Mining	12,975	-	13,729	-	-	-	-	-	-	13,729
Oil Mining	404	(b)	(b)	-	-	(c)	-	-	-	(b)
<u>Total Fuel Mining</u>	41,327	21,911	13,984	2,538	1,720	1,555	259	-	-	41,967
<u>Non-Metal (excluding Fuel) Mining (d):</u>										
Clays	237	(c)	157	-	95	-	22	-	-	274
Gypsum	244	98	(a)	-	(a)	-	-	-	-	285
Limestone	2,084	983	161	(a)	675	(a)	153	-	-	2,708
Salt	653	-	-	(a)	(a)	-	-	-	-	911
Other Non-Metal (excluding Fuel) Mining	844	695	(a)	581	204	(a)	11	-	-	2,513
<u>Total Non-Metal (excluding Fuel) Mining</u>	4,062	1,776	868	1,279	1,997	585	186	-	-	6,621
<u>Total All Mining</u>	89,419	40,517	16,185	13,364	5,235	13,807	3,618	1,946	-	94,672
<u>Construction Material Quarrying (d)</u>	4,201	(c)	2,441	155	1,583	120	74	-	36	4,409
<u>TOTAL ALL MINING AND QUARRYING</u>	93,620	40,517	18,626	13,519	6,818	13,927	3,692	1,946	36	99,081

(a) Not available for publication. (b) Not available for publication; included with "Other Non-Metal Mining". (c) Not available.
 (d) Incomplete; see Section I - Scope of Statistics.

TABLE 19 - MINING AND QUARRYING : VALUE OF FIXED ASSETS AT END OF 1954 AND 1955

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

(£'000)

Industry	1954	1955								
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>LAND AND BUILDINGS</u>										
Metal Mining	9,139	3,574	174	2,466	104	2,137	899	458	-	9,812
Fuel Mining	5,495	3,888	355	566	605	138	38	-	-	5,590
Non-Metal (excluding Fuel) Mining (a)	1,174	154	123	19	974	136	30	-	-	1,436
Construction Material Quarrying (a)	826	-	693	-	115	7	5	-	2	822
<u>TOTAL ALL MINING AND QUARRYING</u>	16,634	7,616	1,345	3,051	1,798	2,418	972	458	2	17,660
<u>PLANT AND MACHINERY</u>										
Metal Mining	23,983	8,073	843	5,864	1,018	6,328	2,086	1,090	-	25,302
Fuel Mining	26,872	14,484	8,838	2,279	950	1,084	150	-	-	27,785
Non-Metal (excluding Fuel) Mining (a)	2,536	1,289	527	679	961	300	150	-	-	3,906
Construction Material Quarrying (a)	3,374	-	1,748	155	1,468	113	69	-	34	3,587
<u>TOTAL ALL MINING AND QUARRYING</u>	56,765	23,846	11,956	8,977	4,397	7,825	2,455	1,090	34	60,580
<u>MINE DEVELOPMENT</u>										
Metal Mining	10,908	5,183	316	1,217	396	3,202	188	398	-	10,900
Fuel Mining	8,960	3,539	4,791	274	165	333	71	-	-	9,173
Non-Metal (excluding Fuel) Mining (a)	352	333	218	-	62	149	6	-	-	768
Construction Material Quarrying (a)	1	-	-	-	(b)	-	-	-	-	(b)
<u>TOTAL ALL MINING AND QUARRYING</u>	20,221	9,055	5,325	1,491	623	3,684	265	398	-	20,841
<u>TOTAL FIXED ASSETS</u>										
Metal Mining	44,030	16,830	1,333	9,547	1,518	11,667	3,173	1,946	-	46,014
Fuel Mining	41,327	21,911	13,984	2,538	1,720	1,555	259	-	-	41,967
Non-Metal (excluding Fuel) Mining (a)	4,062	1,776	868	1,279	1,997	585	186	-	-	6,691
Construction Material Quarrying (a)	4,201	-	2,441	155	1,583	120	74	-	36	4,409
<u>TOTAL ALL MINING AND QUARRYING</u>	93,620	40,517	18,626	13,519	6,818	13,927	3,692	1,946	36	99,081

(a) Incomplete; see Section I - Scope of Statistics.

(b) Less than £500.

TABLE 20 - MINING AND QUARRYING : VALUE OF ADDITIONS AND REPLACEMENTS TO TOTAL FIXED ASSETS DURING 1954 AND 1955
(Note : Excludes mines and quarries employing less than four persons (less than five persons in Western Australia))
(£'000)

Industry	1954	1955								
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
<u>Metal Mining:</u>										
Gold Mining	1,810	8	158	5	-	1,423	-	571	-	2,165
Silver-Lead-Zinc Mining	2,932	1,638	-	(a)	-	9	(a)	-	-	2,386
Copper-Gold Mining	948	5	-	(a)	-	-	(a)	(a)	-	488
Tin Mining	264	16	-	367	-	290	16	-	-	689
Mineral Sands Mining	182	380	-	678	-	-	-	-	-	1,058
Other Metal Mining	698	73	6	-	382	181	(a)	(a)	-	1,031
<u>Total Metal Mining</u>	6,834	2,120	164	1,927	382	1,903	558	763	-	7,817
<u>Fuel Mining:</u>										
Black Coal Mining	5,967	4,089	8	450	376	206	61	-	-	5,190
Brown Coal Mining	1,667	-	1,300	-	-	-	-	-	-	1,300
Oil Mining	374	(b)	(b)	-	-	(c)	-	-	-	(b)
<u>Total Fuel Mining</u>	8,008	4,089	1,308	450	376	206	61	-	-	6,490
<u>Non-Metal (excluding Fuel) Mining:</u>										
Clays (d)	51	(c)	32	-	30	-	-	-	-	62
Gypsum	102	66	(a)	-	(a)	-	-	-	-	152
Limestone	250	129	44	(a)	33	(a)	26	-	-	884
Salt (d)	33	-	-	(a)	(a)	-	-	-	-	359
Other Non-Metal (excl. Fuel) Mining	113	611	(a)	228	10	(a)	-	-	-	1,261
<u>Total Non-Metal (excl. Fuel) Mining</u>	549	806	470	836	485	95	26	-	-	2,718
<u>Total All Mining</u>	15,391	7,015	1,942	3,213	1,243	2,204	645	763	-	17,025
<u>Construction Material Quarrying (d)</u>	256	(c)	-	-	257	9	28	-	10	304
<u>TOTAL ALL MINING AND QUARRYING</u>	15,647	7,015	1,942	3,213	1,500	2,213	673	763	10	17,329

(a) Not available for publication. (b) Not available for publication; included with "Other Non-Metal Mining". (c) Not available.
(d) Incomplete; see Section I - Scope of Statistics.

TABLE 21 - MINING AND QUARRYING : VALUE OF ADDITIONS AND REPLACEMENTS TO FIXED ASSETS DURING 1954 AND 1955
(Note : Excludes mines and quarries employing less than four persons (less than five persons in Western Australia))

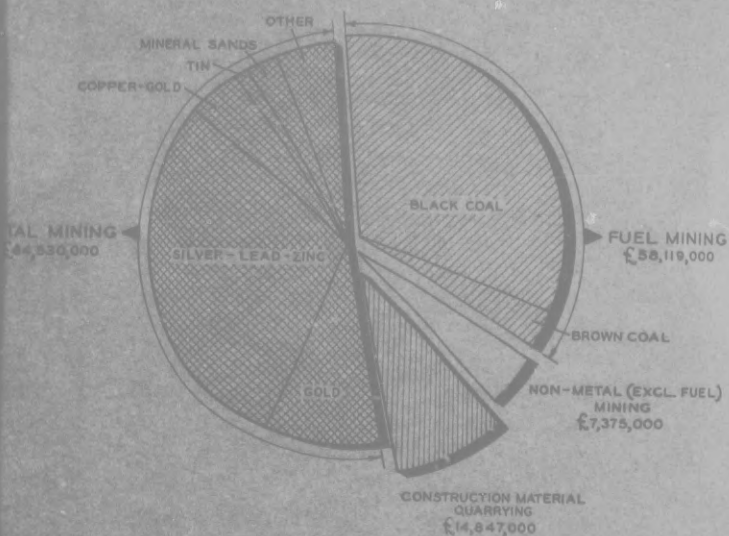
(£'000)

Industry	1954	1955								
	AUSTRALIA	N.S.W.	VIC.	Q'LD.	S.A.	W.A.	TAS.	N.T.	A.C.T.	AUSTRALIA
LAND AND BUILDINGS										
Metal Mining	1,071	132	5	241	8	114	90	163	-	753
Fuel Mining	654	358	6	67	71	5	(b)	-	-	507
Non-Metal (excluding Fuel) Mining (a)	72	10	33	1	346	3	1	-	-	394
Construction Material Quarrying (a)	31	-	-	-	3	-	-	-	-	3
TOTAL ALL MINING AND QUARRYING	1,828	500	44	309	428	122	91	163	-	1,657
PLANT AND MACHINERY										
Metal Mining	3,905	1,405	46	1,584	207	909	423	416	-	4,990
Fuel Mining	6,454	3,395	824	359	250	198	60	-	-	5,086
Non-Metal (excluding Fuel) Mining (a)	447	593	363	748	131	86	25	-	-	1,946
Construction Material Quarrying (a)	225	-	-	-	254	9	28	-	10	301
TOTAL ALL MINING AND QUARRYING	11,031	5,393	1,233	2,691	842	1,202	536	416	10	12,323
MINE DEVELOPMENT										
Metal Mining	1,858	583	113	102	167	880	45	184	-	2,074
Fuel Mining	900	336	478	24	55	3	1	-	-	897
Non-Metal (excluding Fuel) Mining (a)	30	203	74	87	8	6	-	-	-	378
Construction Material Quarrying (a)	-	-	-	-	-	-	-	-	-	-
TOTAL ALL MINING AND QUARRYING	2,788	1,122	665	213	230	889	46	184	-	3,349
TOTAL FIXED ASSETS										
Metal Mining	6,834	2,120	164	1,927	382	1,903	558	763	-	7,817
Fuel Mining	8,008	4,089	1,308	450	376	206	61	-	-	6,490
Non-Metal (excluding Fuel) Mining (a)	549	806	470	836	485	95	26	-	-	2,718
Construction Material Quarrying (a)	256	-	-	-	257	9	28	-	10	304
TOTAL ALL MINING AND QUARRYING	15,647	7,015	1,942	3,213	1,500	2,213	673	763	10	17,329

(a) Incomplete; see Section I - Scope of Statistics.

(b) Less than £500.

MINING AND QUARRYING VALUE OF OUTPUT



VALUE OF OUTPUT, 1955

£164,871,000

