1879.

VICTORIA.

REPORTS

OF THE

MINING SURVEYORS & REGISTRARS.

QUARTER ENDED 30TH SEPTEMBER 1879.

PRESENTED TO BOTH HOUSES OF PARLIAMENT BY HIS EXCELLENCY'S COMMAND.

By Authority:
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BALLARAT MINING DISTRICT.

Ballarat Central Division	Mr. D. Christy, Mining Registrar	7, 14, 16, 17, 20, 24
Ballarat Southern Division	Mr. George Perry, Mining Registrar	7, 17, 19, 20, 24
Buninyong Division	Mr. Robert M. Harvey, Mining Surveyor and Registrar	7, 20, 25
Smythesdale Division	Mr. John Lynch, Mining Surveyor and Registrar	7, 20, 25
Creswick Division	Mr. James Stevenson, Jun., Mining Registrar	7, 16, 20, 26
Gordon Subdivision	Mr. Thomas Cowan, Mining Surveyor and Registrar	8, 20, 26
Steiglitz Subdivision	Mr. D. Murphy, Mining Registrar	8, 14, 16, 19, 20, 27
Blackwood Division and Blue Mountain South Subdivision	Mr. John F. Hansen, Mining Registrar	8, 16, 20, 27
Ballan Subdivision	Mr. John F. Hansen, Mining Registrar	20, 27

BEECHWORTH MINING DISTRICT.

Beechworth Division	Mr. Alexander Alderdice, Mining Registrar	8, 14, 16, 20, 27
Yackandandah North Subdivision	Mr. J. C. Forster, Mining Registrar	28
Yackandandah South Subdivision	Mr. J. Smart, Mining Registrar	8, 16, 20, 28
Indigo Division	Mr. R. Arrowsmith, Mining Surveyor and Registrar	8, 14, 17, 20, 28
Buckland Division	Mr. J. Darbyshire, Mining Surveyor and Registrar	9, 21, 28
Wandiligong Subdivision	Mr. T. C. Kaighin, Mining Registrar	9, 16, 21, 28
Alexandra Subdivision	Mr. A. B. Ainsworth, Mining Surveyor and Registrar	9, 17, 21, 28
Dry Creek Subdivision	Mr. J. Pemberton, Mining Registrar	10, 21, 29
Gaffney's Creek Subdivision	Mr. A. B. Ainsworth, Mining Surveyor and Registrar	10, 21, 29
Wood's Point Subdivision	Mr. A. B. Ainsworth, Mining Surveyor and Registrar	10, 21, 29
Big River Subdivision	Mr. A. B. Ainsworth, Mining Surveyor and Registrar	10, 21, 29
Mitta Mitta North Subdivision	Mr. J. C. Forster, Mining Registrar	14, 21, 29
Mitta Mitta South Subdivision	Mr. D. H. Gilmore, Mining Registrar	10, 21, 29
Jamieson Subdivision	Mr. W. H. Edwards, Mining Registrar	10, 21, 30

SANDHURST MINING DISTRICT.

Sandhurst Division	Mr. N. G. Stephens, Mining Registrar	11, 16, 21, 30
Kilmore Division	Mr. James W. Osborn, Mining Registrar	11, 21, 31
Heatheote Division and Waranga South Subdivision	Mr. E. C. Bell, Mining Registrar	11, 15, 16, 21, 31
Waranga North Subdivision	Mr. Henry Hicks, Mining Registrar	11, 19, 21, 31

MARYBOROUGH MINING DISTRICT.

Maryborough Division	Mr. P. Virtue, Jun., Mining Registrar	11, 16, 17, 19, 21, 31
Majorca Subdivision	Mr. P. Virtue, Jun., Mining Registrar	22, 32
Amherst Division	Mr. J. Smith, Mining Surveyor and Registrar	12, 15, 17, 22, 32
Avoca Subdivision	Mr. D. O'Leary, Mining Surveyor and Registrar	12, 17, 22, 32
Dunolly and Tarnagulla Division	Mr. W. G. Conchman, Mining Surveyor and Registrar	12, 15, 16, 22, 32
Inglewood Division	Mr. W. H. Coffey, Mining Registrar	12, 22, 33
Wedderburn Division	Mr. J. Reach, Mining Registrar	22, 33
Redbank Subdivision	Mr. D. O'Leary, Mining Surveyor and Registrar	12, 22, 32
St. Arnaud South Subdivision	Mr. W. G. Couchman, Mining Surveyor and Registrar	12, 15, 22, 33
St. Arnaud North Subdivision	Mr. W. G. Couchman, Mining Surveyor and Registrar	12, 22, 33

CASTLEMAINE MINING DISTRICT.

Castlemaine Division	Mr. T. L. Brown, Mining Surveyor and Registrar	12, 15, 16, 22, 34
Fryer's Creek Division	Mr. Mark Amos, Mining Surveyor and Registrar	12, 18, 19, 22, 34
Hepburn Division	Mr. Thos. Hale, Mining Registrar	13, 15, 16, 18, 19, 22, 34
Taradale and Kyneton Subdivision	Mr. S. Dorman, Mining Registrar	13, 18, 22, 35
Tarrangower Division	Mr. Robt. Nankivell, Mining Surveyor and Registrar	13, 18, 22, 35
St. Andrew's Division	Mr. Alfred Armstrong, Mining Surveyor and Registrar	13, 15, 18, 23, 35
Blue Mountain North Subdivision	Mr. Graham McPherson, Mining Registrar	23, 35

ARARAT MINING DISTRICT.

Ararat Division	Mr. Thos. Foyster, Mining Registrar	23, 36
Pleasant Creek Division	Mr. H. C. Bate, Mining Surveyor and Registrar	13, 15, 19, 23, 36
Barkly Division	Mr. H. C. Bate, Mining Surveyor and Registrar	23, 36
Raglan Division	Mr. C. W. Minchin, Mining Registrar	13, 18, 23, 36

GIPPSLAND MINING DISTRICT.

Omeo Subdivision	Mr. J. Odell, Acting Mining Registrar	14, 23, 36
Mitchell River Subdivision	Mr. John Grimes Peers, Mining Surveyor and Registrar	23, 37
Boggy Creek Subdivision	Mr. J. Fletcher, Mining Registrar	23, 37
Crooked River Division	Mr. Ed. Harrison, Mining Registrar	14, 23, 37
Jericho Division	Mr. R. J. Donaldson, Mining Registrar	23, 37
Donnelly's Creek Division	Mr. O. P. Whitelaw, Mining Surveyor and Registrar	14, 15, 23, 37
Stringer's Creek Division	Mr. W. M. Smith, Mining Registrar	14, 16, 23, 37
Aberfeldy Subdivision	Mr. M. Nugent, Mining Registrar	14, 23, 38
Russell's Creek Division	Mr. C. H. Williams, Mining Registrar	23, 38
Bendoc Subdivision	Mr. John Nichol, Mining Registrar	23, 38
Tarwin Subdivision	Mr. H. M. Murphy, Mining Registrar	23, 38
Traralgon Subdivision	Mr. C. Denis, Mining Registrar	23, 38

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ESTIMATED YIELD OF GOLD AND QUANTITY OF GOLD EXPORTED.

FROM information obtained by the Mining Surveyors and Mining Registrars from Gold Buyers and others the TOTAL QUANTITIES OF GOLD got respectively from ALLUVIUMS and QUARTZ REEFS are as follow:—

	Alluvial.	Quartz.	Total.
	oz. dwt.	oz. dwt.	oz. dwt.
Quarter ended 30th September 1879	74,536 10	115,112 4	189,648 14

THE QUANTITY OF GOLD, the produce of this Colony, EXPORTED, according to Returns furnished by order of the Honorable the Commissioner of Trade and Customs, is as follows:—

	oz. dwt.
Quarter ended 30th September 1879	64,131 17

NOTE.—In addition to the above, gold specie from all sources was exported to the value of £350,707.

GOLD RECEIVED AT AND ISSUED FROM THE ROYAL MINT.

STATEMENT of the Gross Weight of GOLD received at and issued from the Melbourne Branch of the ROYAL MINT during the Quarter ended 30th September 1879.

RECEIVED.		ISSUED.	
Gross Weight of Rough Gold.	Gross Weight of Gold Bullion.	Gross Weight of Coin.	Gross Weight of Gold Bullion.
oz.	oz.	oz.	oz.
30,857·39	121,532·40	155,897·20	589·294

Royal Mint,
Melbourne, 6th October 1879.

V. DELVES BROUGHTON,
Deputy Master.

STATEMENT of VICTORIAN GOLD received at the Melbourne Branch of the ROYAL MINT during the Quarter ended 30th September 1879.

Gross Weight of Rough Gold.	Gross Weight of Gold Bullion.
oz.	oz.
10,687·34	95,486·64

NOTE.—The Mint has no evidence beyond the statement of the depositors that the above is Victorian gold.

Royal Mint,
Melbourne, 6th October 1879.

V. DELVES BROUGHTON,
Deputy Master.

SUMMARY.

GOLD MINING STATISTICS FOR THE QUARTER ENDED 30th SEPTEMBER 1879.

TABLE SHOWING APPROXIMATELY THE NUMBER OF MINERS EMPLOYED, THE MACHINERY IN USE AND ITS VALUE, ON THE SEVERAL GOLDFIELDS IN THE COLONY OF VICTORIA.

(Compiled from the Mining Surveyors and Registrars' Reports for the Quarter ended 30th September 1879.)

DISTRICT, DIVISION, AND SUBDIVISION.	Alluvial Miners.		Quartz Miners.		Total Number of Miners.	MACHINERY EMPLOYED IN ALLUVIAL MINING.													MACHINERY EMPLOYED IN QUARTZ MINING.								Approximate Value of Mining Plant.	Number of Square Miles of Auriferous Ground actually worked upon.	Number of distinct Quartz Reefs actually proved to be Auriferous.	Price of Gold per ounce.	
						Steam Engines employed in Winding, Pumping, &c.		Steam Puddling Machines.	Buddles.	Horse Puddling Machines.	Whims.	Whips or Pulleys.	Sluices, Toms, and Sluice-boxes.	Hydraulic Hoses.	Pumps.	Water-wheels.	Quicksilver and Compound Cradles.	Stamp-heads (crushing cement).	Boring Machines.	Steam Engines employed in Winding, Pumping, Crushing, &c.		Crushing Machines driven by other power than Steam.	Stamp-heads (crushing quartz or other vein stuff).	Buddles.	Winding, Washing, Pumping, or other Machines moved by Water-power.	Whims.	Whips or Pulleys.	Boring Machines used in Blasting.				From	To
	Europeans.	Chinese.	Europeans.	Chinese.		Number.	Aggregate Horse-power.												Number.	Aggregate Horse-power.										
																											£			£ s. d.	£ s. d.
BALLARAT.																															
Central Division	400	210	1,675	—	2,285	34	1,910	23	1	19	15	14	18	—	18	—	7	—	—	60	1,334	—	466	1	—	32	2	—	120,400	39	24	4 2 0	4 2 9
Southern Division	534	255	140	1	930	2	20	1	—	12	3	6	35	1	5	—	—	—	—	11	200	—	70	—	—	4	2	—	16,500	14	19	4 1 0	4 2 6
Buninyong Division	110	50	306	50	510	10	190	6	—	19	9	2	17	8	—	—	—	—	—	9	200	—	90	—	—	2	2	—	30,000	16½	13	4 1 0	4 2 6
Smythesdale Division	630	790	27	—	1,447	36	860	44	—	14	7	—	23	—	—	—	2	10	—	6	100	—	46	—	—	2	1	—	22,000	18	12	4 0 0	4 3 0
Creswick Division	665	170	390	—	1,725	26	595	27	—	32	12	2	800	—	—	—	—	—	—	34	1,123	—	282	25	—	13	7	1	104,000	13	16	4 0 0	4 3 0
Gordon Subdivision	6	—	354	39	399	—	—	—	—	—	—	—	—	—	—	—	—	—	—	20	606	—	118	—	—	7	—	—	24,431	3½	19	3 16 0	4 0 0
Steiglitz Subdivision	40	50	100	—	190	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	51	—	24	—	—	1	—	—	2,800	50	210	3 17 6	4 2 3
Blackwood Division and Blue Mountain South Subdivision	100	245	320	5	670	—	—	—	—	—	—	—	450	—	20	15	—	—	—	24	511	9	270	—	—	16	—	—	60,000	4½	31	3 17 6	4 0 0
Ballan Subdivision	12	—	8	—	20	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	20	—	8	—	—	—	—	—	600	1	3	3 18 0	3 18 0
Totals	2,497	1,770	3,814	95	8,176	108	3,575	101	1	96	46	24	1,343	9	43	15	9	10	—	170	4,145	9	1,374	26	—	77	14	1	380,731	114½	347		
BEECHWORTH.																															
Beechworth Division	718	738	106	—	1,562	19	210	—	—	4	6	3	5,200	3	30	14	—	—	2	7	115	5	75	—	1	5	—	3	37,320	47	105	3 18 0	4 2 6
Yackandandah North Subdivision	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Yackandandah South Subdivision	225	160	80	—	465	2	10	—	—	—	—	—	2,500	3	24	21	—	—	—	4	71	—	44	3	—	2	—	—	9,150	15	95	3 10 9	4 1 6
Indigo Division	322	56	82	—	460	9	249	11	—	6	4	9	39	—	7	—	—	—	1	4	58	—	36	—	—	—	2	—	27,118	8	26	4 0 0	4 2 0
Buckland Division	82	843	180	2	1,107	—	—	—	—	—	—	—	4,450	3	48	48	—	—	—	10	93	6	111	1	—	—	—	—	14,125	53¾	196	3 18 0	4 0 0
Wandiligong Subdivision	20	30	120	—	170	—	—	—	—	—	—	—	280	—	—	—	—	—	—	9	130	5	127	—	—	—	—	—	16,000	26	161	3 16 0	4 2 0
Alexandra Subdivision	116	22	68	—	206	1	10	1	—	4	5	26	120	—	5	5	—	—	—	6	135	1	86	—	—	4	6	—	7,915	35	74	3 16 6	4 1 0
Dry Creek Subdivision	21	40	32	3	96	—	—	—	—	—	—	—	250	—	—	1	—	—	—	1	10	1	14	—	—	—	—	—	2,700	7½	2	3 15 6	4 0 0
Benalla Subdivision	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10	3	—	—
Gaffney's Creek Subdivision	44	8	69	—	121	—	—	—	—	—	—	—	120	—	8	8	—	—	—	4	64	12	172	1	3	—	—	—	17,330	24	19	3 16 0	4 0 0
Wood's Point Subdivision	52	2	113	—	167	—	—	—	—	—	—	—	126	—	9	9	—	—	—	11	172	8	203	2	—	—	1	—	27,400	18	95	3 2 6	4 1 0
Big River Subdivision	65	—	28	—	93	—	—	—	—	—	—	—	120	—	8	8	—	—	—	3	36	—	30	—	—	—	—	—	3,488	33	14	3 17 0	3 17 6
Mitta Mitta North Subdivision	—	—	200	—	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	6	45	—	20	—	—	—	—	—	17,700	36	24	3 1 0	3 15 0
Mitta Mitta South Subdivision	76	59	40	—	175	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	15	1	11	—	—	—	—	—	2,100	18	12	2 10 0	3 12 6
Jamieson Subdivision	100	20	160	—	280	—	—	—	—	—	—	—	450	—	—	—	—	—	—	4	47	3	74	—	—	—	—	—	16,000	9	27	3 14 0	3 18 3
Totals	1,841	1,978	1,278	5	5,102	31	479	12	—	14	15	38	13,655	9	139	114	—	—	3	70	991	42	1,003	7	4	11	9	3	198,246	340½	853		
SANDHURST.																															
Sandhurst Division	955	780	3,750	30	5,515	6	115	—	—	56	—	—	36	—	6	—	—	65	—	211	3,940	—	1,260	3	—	180	190	5	451,000	24	325	3 18 3	3 18 3
Kilmore Division	30	12	94	—	136	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	30	2	20	—	1	—	2	—	2,150	29	117	3 17 0	3 18 9
Heathcote Division and Waranga South Subdivision	155	40	390	—	585	—	—	—	—	40	4	10	30	—	50	—	—	—	—	19	374	—	129	—	—	7	20	—	26,392	81	204	3 18 0	4 0 0
Waranga North Subdivision	87	40	105	—	232	—	—	—	—	27	—	—	—	—	—	—	—	—	—	10	180	—	79	—	—	3	12	—	11,055	11	126	3 10 9	4 1 3
Totals	1,227	872	4,339	30	6,468	6	115	—	—	123	4	10	66	—	56	—	—	65	—	243	4,524	2	1,488	3	1	190	224	5	490,597	145	772		
MARYBOROUGH.																															
Maryborough Division	1,535	340	950	10	2,835	35	1,157	32	—	160	34	12	—	—	4	2	36	125	4	25	596	—	194	—	—	28	27	—	135,859	5½	170	4 0 0	4 2 0
Majorca Subdivision	110	12	—	—	122	9	144	10	—	7	9	—	10	—	10	—	7	—	—	—	—	—	—	—	—	—	—	—	8,995	2½	1	4 0 0	4 1 4
Amherst Division	199	180	110	—	489	4	60	8	—	27	8	26	35	—	40	1	20	12	—	7	85	—	20	—	—	6	16	—	12,845	5	30	3 16 0	4 2 0
Avoca Subdivision	360	527	18	—	905	2	50	—	—	100	—	—	34	—	17	—	4	—	1	5	88	—	73	—	—	4	4	—	7,259	18½	40	4 0 0	4 0 0
Dunolly and Tarnagulla Divisions	340	200	910	30	1,480	4	110	—	—	42	6	—	5	—	—	—	4	30	—	39	773	—	245	—	—	21	12	—	90,360	16½	185	3 15 0	4 2 0
Inglewood Division	400	240	150	—	790	3	90	—	—	2	—	—	—	1	—	—	15	18	—	7	110	—	60	—	—	6	7	—	10,805	17	71	3 19 0	4 0 0
Wedderburn Division	171	26	—	—	197	—	—	—	—	11	2	—	1	—	—	—	—	—	—	1	25	—	10	—	—	1	—	—	712	37	9	3 18 9	3 19 0
Redbank and St. Arnaud South Subdivisions	289	193	29	7	518	—	—	—	—	18	2	1	9	—	—	—	6	—	—	4	76	—	22	—	—	2	2	—	6,088	14¼	28	3 15 0	4 0 0
St. Arnaud North Subdivision	120	40	275	—	435	—	—	—	—	8	—	5	—	—	—	—	—	—	—	19	379	—	134	2	—	17	22	—	44,186	7	70	3 15 0	4 0 0
Totals	3,524	1,758	2,442	47	7,771	57	1,611	50	—	375	61	44	94	1	71	3	92	185	5	107	2,132	—	758	4	—	85	90	—	317,109	122¾	604		
CASTLEMAINE.																															
Castlemaine Division	360	280	354	—	994	1	20	3	—	65	—	—	128	6	5	—	—	—	—	32	538	—	228	3	—	22	27	—	60,064	9½	103	3 17 0	4 0 0
Fryer's Creek Division	730	600	200	—	1,530	4	78	—	—	41	6	15	306	—	25	2	2	24	—	19	509	—	150	4	1	9	15	—	74,527	28¾	37	3 17 6	3 18 0
Hepburn Division	365	290	364	—	1,019	—	—	1	—	13	3	69	75	2	40	3	1	—	1	28	473	—	210	—	3	26	38	—	32,078	82	88	3 18 6	4 0 0
Taradale and Kyneton Subdivision	200	136	110	—	446	4	64	—	—	11	8	1	6	—	—	—	1	—	—	8	220	—	80	—	—	—	—	—	18,000	20	19	3 19 0	3 19 6
Tarrangower Division	56	161	298	—	515	—	—	—	—	15	—	2	17	—	9	—	21	—	—	30	602	—	202	—	—	28	—	1	43,246	4½	76	3 18 0	4 1 0
St. Andrew's Division	196	54	142	—	392	1	10	2	—	6	9	8	30	10	4	6	—	—	—	11	150	4	62	—	—	6	—	—	8,183	15½	77	3 17 3	4 0 0
Blue Mountain North Subdivision	73	—	—	—	73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	4	4	3 17 0	3 17 6
Totals	1,980	1,521	1,468	—	4,969	10	172	6	—	151	26	86	562	18	83	11	25	24	1	128	2,492	4	932	7	4	91	80	1	236,098	164	404		
ARARAT.																															
Ararat Division	215	315	30	—	560	4	25	—	—	11	3	4	30	—	12	—	4	15	—	4	92	—	36	—	—	2	3	—	6,810	37	28	3 16 0	4 0 0
Pleasant Creek Division	448	250	801	3	1,502	10	160	1	1	—	4	—	25	—	—	—	28	70	—	39	1,475	—	346	—	—	48	10	—	156,214	27	37	3 13 0	4 3 0
Barkly Division	215	87	—	—	302	1	10	—	—	9	—	—	2	—	—	—	—	10	—	—	—	—	—	—	—	—	—	—	690	16	9	4 0 0	4 0 6
Raglan Division	445	114	11	—	570	7	123	7	—	10	9	2	10	—	1	—	—	—	—	1	12	—	8	—	—	1	2	—	7,000	6½	5	4 0 0	4 2 0
Totals	1,323	766	842	3	2,934	22	318	8	1	30	16	6	67	—	13	—	32	95	—	44	1,579	—	390	—	—	51	15	—	170,714	86½	79		
GIPPSLAND.																															
Omeo Subdivision	408	263	8	—	679	—	—	—	—	—	—	—	1,000	2	22	22	—	—	—	1	17	1	21	—	—	—	—	—	4,680	12	23	3 9 0	3 16 6
Mitchell River and Boggy Creek Subdivisions	230	80	9	—	319	—	—	—	—	—	—	—	49	—	—	—	—	—	—	2	16	—	8	—	—	—	—	—	440	23	23	3 17 0	3 17 6
Crooked River Division	177	33	23	—	233	—	—	—	—	—	—	—	240	—	12	11	—	—	—	8	137	4	126	—	—	—	—	1	32,280	49½	352	3 12 0	3 18 6
Jericho Division	78	56	6	—	140	—	—	—	—	—	—	—	90	—	20	20	—	—	—	3	35	—	37	1	—	—	—	—	4,300	26	33	3 15 0	3 17 6
Donnelly's Creek Division	40	2	31	—	73	1	10	—	—	—	1	—	30	—	—	—	—	—	—	3	58	3	62	—	—	—	—	—	12,160	6½	18	3 10 0	4 0 0
Stringer's Creek Division	90	—	343	—	433	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17	355	1	126	2	—	—	—	—	46,430	7	13	3 10 0	4 0 0
Aberfeldy Subdivision	52	10	64	—	126	—	—	—	—	—	—	—	30	—	8	8	—	—	—	4	65	1	35	—	—	—	—	—	11,000	20	6	3 15 0	3 17 6
Russell's Creek Division	81	—	4	—	85	—	—	—	—	1	1	—	12	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	26	35	16	3 10 0	3 18 0
Bendoc Subdivision	32	10	—	—	42	—	—	—	—	—	—	—	36	—	5	5	—	—	—	—	—	1	9	—	—	—	—	—	346	26	13	3 12 0	3 15 0
Tarwin Subdivision	58	4	10	—	72	2	18	1	—	2	8	6	4	—	3	—	—	10	2	1	20	1	18	—	—	—	—	—	3,585	3	4	3 15 0	3 17 6
Traralgon Subdivision	81	—	—	—	81	—	—	—	—	—	1	—	16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	85	1	1	3 16 0	3 19 6
Totals	1,327	458	498	—	2,283	3	28	1	—	3	11	6	1,507	2	70	67	—	11	2	39	703	12	442	3	—	—	—	1	115,332	209	502		
GRAND TOTALS	13,719	9,123	14,681	180	37,703	237	6,298	178	2	792	179	214	17,294	39	475	210	158	390	11	801	16,566	69	6,387	50	9	505	432	11	1,908,827	1,182	3,561		

THOS. COUCHMAN,
Secretary for Mines.

Office of Mines, Melbourne, 15th October 1879.

No. 83.

TABLE

SHOWING THE YIELD OF GOLD FROM CERTAIN PARCELS OF QUARTZ RAISED DURING THE QUARTER IN SOME OF THE DEEPEST MINES IN VICTORIA, WITH THE DEPTH OF THE DEEPEST SHAFTS WHICH ARE NOW BEING SUNK, OR THE SINKING OF WHICH HAS RECENTLY BEEN STOPPED, ETC.

(Compiled from Returns made by the Mining Surveyors and Registrars for the Quarter ended 30th September 1879.)

DISTRICT, DIVISION, AND SUBDIVISION.	NAME OF COMPANY.	NAME OF REEF.	Depth at which the Quartz was got.	Quantity Crushed.	Average Yield of Gold per Ton.	Width of the Reef.	Dip of the Reef from the Horizon.	Dip of the Shoot of Quartz.	Strike of the Reef (Bearing).	NAME OF COMPANY.	NAME OF REEF.	Depth of Shaft.	Depth of the deepest Level.	Depth of the deepest Cross-cut.	REMARKS.
BALLARAT.			Feet.	Tons.	Oz. dwt. gr.	Ft. in.						Feet.	Feet.	Feet.	
Central Division	Temperance	Band of Hope	450 to 950	1,500	0 2 15	2 3	W. 3ft. in 6ft.	N.	N. and S.	Temperance	Band of Hope	955	950	650	Lode improving at the bottom level, with gold visible in the quartz.
Southern Division	New Kangaroo	Kangaroo	278	2,117	0 2 0	8 0*	W. 70°	S.	..	Hopewell	Staffordshire	520	500	500	* A well-defined lode.
Buninyong Division	Imperial	Hiscock's	112	1,520	0 6 2	8 0	E. 66°	..	N. 10° W.	Imperial	Hiscock's	400	400	400	
Smythesdale Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Creswick Division	Port Phillip	Clunes	100 to 990	13,910	0 5 16*	2 to 30 0	{4 reefs E. 30° 4 reefs W. 30°}	N.	W. 15°	Port Phillip	Clunes	1,146	1,090	1,090	* Including pyrites.
	New North Clunes	Clunes	240 to 1,105	2,457½	0 7 1*	2 to 7 0	W. 15°	N.	N. 8° E.	New North Clunes	Clunes	1,112	1,105	1,105	* Including pyrites.
Gordon Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Steiglitz Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Blackwood Division and Blue Mountain South Subdivision	Sultan	Sultan and others	270 to 770	1,623	0 19 17	6 in. to 30 ft.	W. 80° varies	Varies	N. 10° W.	Sultan	Sultan and others	872	800	800	It is intended to open out another level at 900 feet.
Ballan Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
BEECHWORTH.															
Beechworth Division	Reform	Reform, Myrtleford	450	1,063	0 6 5	10 0	W.	S.	Northerly	Dale and Co.	Excelsior, Wooragee	310	180	310	
Yackandandah North Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Yackandandah South Subdivision	Pride and Stringer	Pride and Stringer	100	139	1 6 0	2 0	W. 80°	Vertical	N. 10° E.	Bigelowe and Clingan	Homeward-bound	450	420	..	
Indigo Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Buckland Division	J. A. Wallace's	Land Tax	400	258	1 8 14	..	..	..	..	..	..	..	..	..	
	Jones and Co.	Buckeye	150	19	9 5 6	..	..	..	..	..	..	..	..	..	
	Davies and Co.	Tiddie-de-addelde	220	205	1 12 4	..	..	..	..	..	..	..	..	..	
Wandiligong Subdivision	Vale and Co.	Forlorn Hope	310	23	1 19 4	1 0	E.	..	N.E.	..	..	..	..	..	
	Jones and Co.	Buckeye	150	64	3 13 10	..	..	..	..						
Alexandra Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Dry Creek Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Benalla Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Gaffney's Creek Subdivision	Rose of Denmark	Eureka	100	60	0 6 16	1 3	N.W. 30°	N.W. 30°	N. 24° W.	..	..	..	..	..	
Wood's Point Subdivision	The Revival Tribute	Sir John Franklin's Dyke	200	110	0 10 0	2 0	Vertical Dyke	Vertical	N. and S.	..	..	..	..	..	
Big River Subdivision	Londonderry	Railway Reef	300	900	0 4 1	2 6	Vertical	Vertical	N. 33° W.	..	..	..	..	..	
Mitta Mitta North Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Mitta Mitta South Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Jamieson Subdivision	Sailor Bill's	Sailor Bill's	400	480	0 10 0	6 0	E.	..	..	..	..	..	..	..	
SANDHURST.															
Sandhurst Division	Garden Gully United	Garden Gully	500 to 760	4,443	1 1 0	2 to 12 0	..	..	..	Lansell's No. 180	Victoria	1,476	1,200	1,460	Not sinking.
	Old Chum	New Chum	960 to 1,037	1,510	1 3 21	1 6	..	..	..	Great Extended Hustler's	Hustler's	1,368	800	1,350	Not sinking.
	Lazarus	New Chum	860 to 940	2,208	0 11 0	1 to 35 0	..	..	..	Carlisle, North Garden Gully, and Passby United	Garden Gully	1,287	854	1,200	Sinking.
	Lazarus No. 1	New Chum	800 to 900	1,302	0 7 2	10 0	..	..	..	..	..	..	..	..	
Kilmore Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Heathcote Division and Waranga South Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Waranga North Subdivision	Grumbridge and Co.	Whistler's	100	22	8 3 5	3 in. to 8 in.	..	..	E. and W.	..	..	..	..	..	
MARYBOROUGH.															
Maryborough Division	..	..	..	..	..	..	..	..	..	Bristol Hill	Western	618	500	600	
Majorca Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Amherst Division	Union	Church Hill	200	144	2 1 6	1 0	W. 45°	N.W. 24°	..	Union	Churchill	250	250	250	
Avoca Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Dunolly and Tarnagulla Divisions	Queen's Birthday	Bealiba, Goldsborough	400 to 520	3,701	0 12 0	10 0	E. 86°	S.	N. 18° W.	..	..	..	..	..	
	Queen's Reef	Queen's, Moliagul	130	713	0 1 19	5 0	W. 75°	S.	N. 18° W.	..	..	..	..	..	
	Yorkshire	Watts	160 to 200	1,471	0 7 16	11 0	W. 75°	N.	N. 18° W.	..	..	..	..	..	
Inglewood Division	..	..	264	119	0 7 19	8 0	N.	..	..	Jersey Reef Q. M.	Jersey Reef	285	277	277	
	Jersey Reef Q. M.	Jersey	277	63	0 18 1	7 0	S.								
Redbank and St. Arnaud South Subdivisions	Greenock	Greenock	70 to 170	45	0 17 8	3 0	W. 75°	S.	N. 18° W.	..	..	..	..	..	
St. Arnaud North Subdivision	Working Miners	Bristol	200 to 260	700	0 7 2	12 0	W. 75°	S.	N. 18° W.	..	..	..	..	..	
	Chrysolite Tribute	Chrysolite	150	250	0 2 23	4 0	W. 80°	S. 35°	N. 15° W.	..	..	..	..	..	
Wedderburn Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
CASTLEMAINE.															
Castlemaine Division	Argus United	Argus Flat	140	530	0 7 6	Irregular	..	..	..	Melrose	Volunteer	161	160	160	New shaft.
Fryer's Creek Division	Rowe Bros.	Cattle's	150 to 200	1,419	0 7 6	5 6	E. 36°	..	N. 14° W.	Rowe Bros.	Cattle's	220	175	175	
	New Era	Ferron's	100 to 380	6,310	0 3 3	*	W. 50°	N. 1 in 8	N. 5° E.	New Era	Ferron's	514	430	500	* The width varies from 6 inches to 80 feet.
Hepburn Division	Ajax	Nuggety	270	100	0 8 0	3 0	S. 40°	W. 40°	N. 18° W.	..	..	..	..	..	
Tarradale and Kyneton Subdivision	United Kingdom	United Kingdom	200	945	0 1 13	5 0	..	..	..	..	..	..	..	..	
Tarrangower Division	German Reef Tribute	German	300	96	4 4 15	2 6	E. 79°	Vertical	N. 15° W.	Englehawk Union	Englehawk	1,200	1,000	1,000	Still sinking.
	Lock and Co.	Irish Billy's	80	177	5 10 16	2 0	E. 75°	Vertical	N. 16° W.	..	..	..	..	..	
St. Andrew's Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Blue Mountain North Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
ARARAT.															
Ararat Division	..	..	..	..	..	..	..	..	..	Magdala	..	2,225	2,002	2,002	Still sinking.
										Newington and Pleasant Ck.	..	1,940	1,510	1,510	
										Prince Patrick	..	1,665	1,500	1,500	Still sinking.
										Prince Alfred	..	1,468	1,026	1,020	Still sinking.
										Crown Cross Reef United	..	1,313	1,000	1,000	
Pleasant Creek Division	..	..	..	..	..	..	..	..	..	South Scotchman's	..	1,262	1,252	1,252	
										Pleasant Creek Cross Reef, No. 1 Shaft	..	1,220	1,200	1,200	
										Oriental	..	1,230	1,120	1,120	
										Extended Cross Reef	..	1,117	1,070	1,070	
										West Scotchman's	..	1,052	800	800	
										Scotchman's Reef United	..	1,018	1,000	1,000	
Barkly Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Raglan Division	The Victory	Richmond	50	17	1 4 2	..	..	..	..	The Victory	Richmond	300	50	..	
GIPPSLAND.															
Omeo Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Mitchell River & Boggy Ck. Subdivisions	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Crooked River Division	..	..	..	..	..	..	..	..	..	Good Hope	Good Hope	700	500	700	
Jericho Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Donnelly's Creek Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Stringer's Creek Division	Long Tunnel	Cohen's	343 to 623*	5,034	1 18 19	12 0	W. 80°	N. 30°	N.W. 19°	Long Tunnel	Cohen's	735	723	723	* Below adit level.
										Walhalla	Cohen's	615	585	585	
Aberfeldy Subdivision	James Rice's Lease	Aberfeldy	150	650	0 6 1	6 0	E. 1 ft. in 2 ft.	..	N. 25° W.	..	..	..	..	..	
Russell's Creek Division	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Bendoc Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Tarwin Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Thuralgon Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	

Office of Mines, Melbourne, 15th October 1879.

No. 83.

THOS. COUCHMAN,
Secretary for Mines.

QUARTZ, QUARTZ TAILINGS, PYRITES, ETC.

SUMMARY.

THE following information has been obtained relative to the QUANTITY OF QUARTZ, QUARTZ TAILINGS, and MULLOCK Crushed, and PYRITES and BLANKETINGS operated on, during the Quarter, and the GOLD obtained therefrom :—

MINING DISTRICTS.	Quantity Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold from Quartz, &c., Crushed.
Quartz.	tons cwt.	oz. dwt. gr.	oz. dwt. gr.
Ballarat	91,198 10	0 5 23·09	27,188 7 23
Beechworth	15,774 18	0 11 17·69	9,257 17 19
Sandhurst	63,695 0	0 8 7·37	26,456 5 12
Maryborough	9,639 11	0 8 21·82	4,294 2 2
Castlemaine	8,109 0	0 14 21·88	6,045 17 9
Ararat	22,705 19	0 11 3·42	12,650 8 12
Gippsland	6,783 0	1 3 9·27	7,931 10 0
Totals	217,905 18	0 8 14·67	93,824 9 5
Quartz Tailings and Mullock.			
Ballarat	4,050 0	0 1 16·77	344 1 0
Beechworth	1,003 0	0 1 17·97	87 14 0
Sandhurst	250 0	0 2 23·04	37 0 0
Maryborough	702 0	0 1 17·77	61 2 0
Castlemaine	3,629 0	0 1 5·96	226 10 12
Ararat	35 0	0 2 13·54	4 9 18
Gippsland	40 0	0 2 0	4 0 0
Totals	9,709 0	0 1 13·81	764 17 6
Pyrites and Blanketings operated on.			
Ballarat	350 15	3 10 16·28	1,239 10 12
Beechworth	114 0	0 16 8·68	93 5 6
Sandhurst	789 10	1 16 13·56	1,443 8 0
Maryborough	28 11	1 16 8·99	51 18 12
Castlemaine	139 0	1 11 22·61	222 0 0
Ararat	...	...	...
Gippsland	26 3	2 2 12·13	55 12 0
Totals	1,447 19	2 2 21·62	3,105 14 6

NOTE.—This Summary does not show the total quantities of quartz, &c., crushed or operated on, but only the yield of certain crushings, &c., respecting which the Mining Surveyors and Registrars have been able to obtain information. Owing to the circumstance that many of the machine-owners are unable to give, or are precluded from giving, information, it is impossible to get complete returns from every district; and in considering the relative importance of each district, as regards quartz mining, &c., the tables relating to machinery should be examined and compared.

Office of Mines,
Melbourne, 15th October 1879.

THOS. COUCHMAN,
Secretary for Mines.

MINING SURVEYORS AND REGISTRARS' RETURNS.

QUARTZ.

THE following information has been obtained from Returns made by the Mining Surveyors and Registrars relative to the QUANTITY OF QUARTZ Crushed in the several Divisions and Subdivisions of each Mining District during the Quarter, and the GOLD obtained therefrom.

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
BALLARAT MINING DISTRICT.					
CENTRAL DIVISION.					
Band and Albion Consols ...	Ballarat West... ...	3,269 0 0	0 13 7·76	2,177 15 0	250 feet
Black Hill	Ballarat East	3,358 0 0	0 5 12·36	925 19 20	Surface to 500 feet
Llanberris	Ballarat East	2,435 0 0	0 2 15·99	324 12 12	300 feet
Temperance	Little Bendigo ...	1,500 0 0	0 7 22·27	594 12 0	430 to 950 feet
Serjeant's Freehold ...	Ballarat West... ...	270 0 0	0 11 22·95	161 8 6	280 feet
Endeavor	Specimen Gully ...	603 0 0	0 4 4·21	125 18 0	100 feet
Britannia	Specimen Gully ...	457 0 0	0 2 4·40	49 17 21	165 feet
Duchess...	Ballarat East	913 0 0	0 7 19·53	356 14 4	180 to 300 feet
Parade	Ballarat East	230 0 0	0 15 4·48	174 13 0	400 feet
Countess	Ballarat East	90 0 0	0 4 13·73	20 11 12	70 to 150 feet
Canadian	Canadian	1,925 0 0	0 5 11·83	528 15 0	80 to 140 feet
Baker and Co.	Mount Clear	1,250 0 0	0 8 12·17	531 14 0	Surface to 100 feet
Hanthorn and Co. ...	Mount Clear	145 0 0	0 6 0·82	43 15 0	80 to 150 feet
Black Hill United ...	Ballarat East	132 0 0	0 19 13·89	129 4 10	400 feet
New Dimocks	Little Bendigo ...	2,160 0 0	0 3 2·66	336 0 0	260 to 360 feet
North Dimocks	Little Bendigo ...	708 0 0	0 3 8·23	118 7 0	300 to 400 feet
New Koh-i-noor	Ballarat West... ...	190 0 0	0 8 7·57	79 0 0	280 to 300 feet
Band of Hope Quartz ...	Ballarat West... ...	1,104 0 0	0 8 5·58	454 8 18	300 feet
Public crushings	Ballarat East and West	8,348 0 0	0 9 0·74	3,769 11 14	Various depths
	Totals... ...	29,087 0 0	0 7 11·92	10,902 17 21	
SOUTHERN DIVISION.					
Speedwell Tribute ...	Staffordshire Reef ...	1,090 0 0	0 2 7·51	126 1 10	150 feet, 4 feet wide
Hopewell Tributers ...	Staffordshire Reef ...	50 0 0	0 6 0·12	15 0 6	127 feet
New Kangaroo	Kangaroo	2,117 0 0	0 2 0·04	211 18 0	278 feet, 8 feet wide
Williams' Fancy	Kangaroo	900 0 0	0 3 10·28	154 5 18	130 feet, 6 feet wide
Nil Desperandum ...	Kangaroo	511 0 0	0 2 18·5	70 16 0	120 feet, 8 feet wide
New Try Again	Kangaroo	400 0 0	0 1 12·69	30 11 12	130 feet, 4 feet wide
	Totals	5,068 0 0	0 2 9·64	608 12 22	
BUNINYONG DIVISION.					
Imperial Q. M.	Hiscock Reef	1,520 0 0	0 6 2·04	462 9 6	112 feet
One-and-All	Hiscock's Fairweather Reefs, Tributers	1,379 0 0	0 1 11·99	103 8 2	80 to 200 feet
One-and-All	Public crushings ...	486 0 0	0 11 12·13	279 11 18	Various depths up to 150 feet
Llewellyn	Magpie Ranges ...	200 0 0	0 6 0	60 0 0	180 feet
	Totals	3,585 0 0	0 5 1·23	905 9 2	
SMYTHESDALE DIVISION.					
Smythesdale Consols ...	German Reef, Smythesdale	720 0 0	0 1 16·6	60 17 11	264 feet
Bristol	Linton Ranges ...	30 0 0	0 5 0	7 10 0	150 feet
	Totals	750 0 0	0 1 19·74	68 7 11	
CRESWICK DIVISION.					
Port Phillip	Clunes reefs	1,396 0 0	0 4 15·73	324 19 12	100 to 990 feet
Port Phillip Tributers ...	Clunes reefs	12,514 0 0	0 5 1·59	3,170 1 12	
New North Clunes ...	Clunes reefs	394 0 0	0 2 9·62	47 6 12	240 to 1,105 feet
New North Clunes Tributers	Clunes reefs	2,063 10 0	0 7 0·76	725 10 0	
South Clunes	Clunes reefs	3,119 0 0	0 5 4·97	812 2 0	70 to 600 feet
South Clunes Tributers ...	Clunes reefs	8,486 0 0	0 4 22·95	2,103 0 0	
New Lothair	Clunes reefs	1,340 0 0	0 5 15·25	377 12 0	264 to 564 feet
United	Spring Hill Reef ...	194 0 0	0 5 16·2	55 1 0	70 feet
Working Miners	George's Reef... ...	320 0 0	0 3 20·97	61 19 15	70 feet
	Totals	29,826 10 0	0 5 3·55	7,677 12 3	

QUANTITY of QUARTZ Crushed in each Division and Subdivision during the Quarter, &c.—*continued.*

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
GORDON SUBDIVISION.					
Black-horse United ...	Egerton	7,356 0 0	0 3 23·9	1,469 16 0	400 to 600 feet
The Egerton, Limited ...	Egerton	10,104 0 0	0 6 9·83	3,238 3 14	500 to 758 feet
Parker's United	Gordon	60 0 0	0 5 23·5	17 18 18	700 feet
United Miners	North of Gordon ...	150 0 0	0 3 0	22 10 0	Surface to 20 feet
	Totals	17,670 0 0	0 5 8·99	4,748 8 8	
STEIGLITZ SUBDIVISION.					
Minerva	Elaine	18 0 0	1 5 13·3	23 0 0	
Watson and party ...	Elaine	52 0 0	0 5 18·46	15 0 0	
Copperwaite and party ...	Elaine	2 0 0	0 9 0	0 18 0	
Wee Speck	Elaine	23 0 0	0 3 0	3 8 0	
Mortimer and party ...	Elaine	28 0 0	0 17 12	24 10 0	
Dunlop and party ...	Elaine	21 0 0	4 4 4·57	88 8 0	
Dennis and Co.	Steiglitz	16 0 0	1 2 12	18 0 0	
Herring	Steiglitz	5 0 0	2 14 9·6	13 12 0	
Morris and Co.	Steiglitz	16 0 0	0 5 18	4 12 0	
Barrett	Steiglitz	4 0 0	0 8 6	1 13 0	
Scott and Co.	New-chum	21 0 0	1 9 3·43	30 12 0	
	Totals	206 0 0	1 1 17·12	223 13 0	
BLACKWOOD DIVISION AND BLUE MOUNTAIN SOUTH SUBDIVISION.					
Sultan	Barry's Reef	1,623 0 0	0 19 17·98	1,602 13 0	270 to 770 feet
Mounter Bros.	Barry's Reef	99 0 0	0 17 11·88	86 12 0	400 feet
Big Hill	Simmons Reef ...	1,800 0 0	0 1 6·80	115 10 0	50 feet
Cornish	Simmons Reef ...	450 0 0	0 1 6·43	28 10 15	100 feet
Crown	Simmons Reef ...	250 0 0	0 2 22·21	36 11 9	150 feet
North Star	Union Reef	30 0 0	0 8 16	13 0 0	110 feet
Victoria	Yankee Reef	207 0 0	0 5 1·16	52 5 0	40 to 75 feet
North Britain	Wright's Reef ...	380 0 0	0 2 15·8	50 10 4	110 feet
Ida	Wright's Reef ...	167 0 0	0 8 2·73	67 15 0	280 feet
	Totals	5,006 0 0	0 8 4·89	2,053 7 4	

BEECHWORTH MINING DISTRICT.

BEECHWORTH DIVISION.					
Homeward Bound Tribute...	Rocky Point	460 0 0	0 7 6	166 15 0	600 feet
Shakspeare Reef... ...	Stanley	43 0 0	2 14 12·83	117 5 0	50 feet
Wallaby Tribute... ...	Hurdle Flat	800 0 0	0 14 2·25	563 15 0	90 feet
Marco Polo	Hurdle Flat	95 0 0	0 17 11·37	83 0 0	90 feet
Sunday Reef	Three-mile Creek ...	39 0 0	2 4 11·69	86 15 0	120 feet
Reform	Myrtleford	1,063 0 0	0 6 5·91	332 0 0	450 feet
Nil Desperandum ...	Myrtleford	196 0 0	0 6 11·75	63 12 0	100 feet
Carthew and Co. ...	Myrtleford	16 0 0	0 4 0	3 4 0	Surface
	Totals	2,712 0 0	0 10 10·67	1,416 6 0	
YACKANDANDAH SOUTH SUBDIVISION.					
Bigelowe and Clingam ...	Hillsborough	130 0 0	0 8 8	54 3 6	40 feet
Pride and Stringer ...	Back Creek	130 0 0	1 6 0	169 6 0	100 feet
Iron Hand	Twist's Creek... ...	35 0 0	0 2 14	4 10 8	20 feet
Schnackenberg Bros. ...	Sandy Creek	60 0 0	4 10 0	270 0 0	60 feet
Crowe and Farrell ...	Sandy Creek	22 0 0	0 18 4·36	20 0 0	36 feet
Patrick McClinchy ...	Sandy Creek	6 0 0	11 13 8	70 0 0	30 feet
	Totals	383 0 0	1 10 16·87	587 19 14	
INDIGO DIVISION.					
Gallagher and Co. ...	Not known	6 0 0	1 11 2	9 6 12	Surface to 40 feet
De Mamiel and Co. ...	Golden Bar Reef ...	8 0 0	0 16 18	6 14 0	30 to 40 feet
Hellyar and Co.	Indigo Reef	3 0 0	0 14 13	2 3 15	20 to 28 feet
Pomeroy and Co.... ...	Banner's Reef... ...	15 0 0	0 17 11·2	13 2 0	60 feet
Williams and Co.... ...	Not known	20 0 0	0 16 18	16 15 0	Not known
Spearing and Co. ...	Demon	28 0 0	1 15 1·71	49 2 0	60 to 80 feet
Barras and Co.	Caledonian Reef ...	48 0 0	0 17 23·5	43 3 0	100 feet
Trevillian and Co. ...	Indigo Lead Reef ...	45 0 0	0 18 21·34	42 10 0	138 feet
Buchan and Co.	Pass-by Reef... ...	13 0 0	17 18 11·07	233 0 0	175 feet
Archer and Co.	Touchstone Reef ...	12 0 0	1 4 0	14 8 0	Surface to 20 feet
Laurie and Co.	Golden Bar	8 10 0	1 10 14·11	13 0 0	30 to 80 feet
Eustace and Co.	Brady's Hill	13 0 0	0 13 20·33	9 0 0	Surface to 20 feet
Bigby and Co.	Wallace's Gully ...	10 0 0	2 15 0	27 10 0	80 to 100 feet
Burton and Co.	Eureka Reef	25 0 0	0 14 0	17 10 0	60 to 80 feet
Various companies ...	Various reefs	19 10 0	0 14 19·69	14 9 0	Various depths
Hooly and Co.	We Speck Reef ...	25 0 0	1 10 0	37 10 0	60 to 100 feet
Lord and Co.	Campbell's Reef ...	24 0 0	4 5 10	102 10 0	80 to 90 feet
Brown and Co.	Garibaldi Reef ...	12 0 0	0 17 4	10 6 0	60 to 70 feet
	Totals	335 0 0	1 19 12·47	661 19 3	

QUANTITY of QUARTZ Crushed in each Division and Subdivision during the Quarter, &c.—*continued.*

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
BUCKLAND DIVISION.					
	Harrietville.				
J. A. Wallace	Land Tax Reef ...	258 0 0	1 8 14·51	369 0 0	400 feet
Jones and Co.	Buck-eye	19 0 0	9 5 6·32	176 0 0	150 feet
Davies and Co.	Tiddle-de-addle-de ...	205 0 0	1 12 4·68	330 0 0	220 feet, water level 100 feet
Gillies and Co.	The Admiral	156 0 0	0 10 21·54	85 0 0	150 feet
	Buckland.				
Douglas and Co.	... ...	90 0 0	1 7 18·66	125 0 0	60 feet
Anderson and Co. ...	... ...	16 0 0	1 10 0	24 0 0	20 feet
Stephen and Co.	... ...	13 0 0	5 4 14·77	68 0 0	80 feet
H. Curry and Co. ...	... ...	12 0 0	1 11 16	19 0 0	Surface
O. Anderson and Co. ...	... ...	35 0 0	0 7 10·28	13 0 0	20 feet
Boss Cockies	... ...	4 0 0	1 6 6	5 5 0	40 feet
Shippen and Co.	... ...	7 0 0	2 1 18·86	14 12 12	40 feet
King and Co.	... ...	14 0 0	2 17 10·29	40 4 0	50 feet
Clemens and Co.	... ...	40 0 0	0 4 7·2	8 12 0	35 feet
Radcliffe and Fowler ...	... ...	6 0 0	4 6 16	26 0 0	Surface
Brady and Co.	... ...	7 0 0	1 7 0	9 9 0	25 feet
	Freeburgh.				
Davies and Co.	Oriental Hill	54 0 0	2 2 23·11	116 0 0	80 feet
Maguire and Co.	Three Stars	34 0 0	2 10 0	85 0 0	50 feet
Harp of Erin Co.	Tramway Reef ...	100 0 0	0 18 0	90 0 0	120 feet
Maguire and Co.	Three Stars	40 0 0	0 17 0	34 0 0	60 feet
Beveridge and Co. ...	... ...	5 0 0	1 3 0	5 15 0	Surface
Coxon and Co.	Oriental Hill	11 0 0	1 10 0	16 10 0	40 feet
Grennep and Wilson ...	Reliance Reef	17 0 0	1 0 0	17 0 0	Surface to 10 feet
Honeychurch and Co. ...	Lisbon Reef	17 0 0	4 14 2·82	80 0 0	
	Bright.				
Macfadzean and Co. ...	Belle of the Ball ...	49 10 0	0 14 13·09	36 0 0	30 feet
J. Butler and Co. ...	Stackey Gully ...	19 0 0	0 15 18·9	15 0 0	50 feet
	Running Creek.				
The Hope Q. M.	Happy Valley Reef ...	312 0 0	0 1 23·31	30 15 0	300 feet, water level 100 feet
Root Hog and Die ...	Running Creek ...	3 0 0	1 8 0	4 4 0	Surface
	Totals	1,543 10 0	1 3 21·24	1,843 6 12	
WANDILIGONG SUBDIVISION.					
Prince Arthur Mill :					
Williams and Co. Tributers	Prince Arthur Lease ...	28 0 0	1 13 0	46 4 0	Surface to 40 feet
Williams and Co. Tributers	Australasia Lease ...	16 0 0	0 17 12	14 0 0	Surface to 40 feet
Davies and Hearn Tributers	Prince A. Lease ...	77 0 0	7 0 6·86	540 2 0	Surface to 40 feet
Birthday Mill :					
Three public crushings ...	Various	85 0 0	0 9 15·52	41 0 0	
Queen of South Mill :					
Two small crushings ...	... ...	11 10 0	1 5 0	14 7 12	
Hit or Miss Mill :					
Harrietville	Buck-eye	64 0 0	3 13 10·5	235 0 0	150 feet
Oriental Mill :					
Nine parcels for public ...	... ...	376 0 0	0 4 9·63	82 15 0	
Try Again Mill :					
Hood and Coutts ...	Try Again	150 0 0	0 7 4·8	54 0 0	100 to 300 feet
Fraser's Mill :					
Myrtle Co.	Myrtle Reef	780 0 0	0 4 16	182 0 0	450 feet
London Co., James and Co.	London Reef	42 0 0	0 8 2·28	17 0 0	300 feet
Londonderry	Londonderry	24 0 0	0 7 12	9 0 0	170 feet
Native Industry, Symes and Co.	Native Industry Reef ...	33 10 0	1 17 21·1	63 10 0	70 feet
Attridge and Co. ...	Old Albion	13 18 0	3 7 20·89	43 0 0	
Never Too Late Mill :					
Stephens and Co. ...	Pride of Kildare ...	24 0 0	1 0 20	25 0 0	
Gregory and Co. ...	Louisa	28 0 0	1 3 13·71	33 0 0	
Vale and Co.	Forlorn Hope	23 0 0	1 19 3·13	45 0 0	310 feet
Hazeton	Who Knows	43 0 0	1 1 9·49	46 0 0	90 feet
Home Mill :					
E. M. Gill	Home Reef	178 0 0	0 4 12·94	40 8 0	120 feet deep
Stephens' Mill :					
Mills and Co.	Advance Australia ...	35 0 0	3 1 17·14	108 0 0	30 feet
H. Mitchell	H. M. Reef	49 0 0	0 16 17·63	41 0 0	50 feet
J. Phillips	New Year's Gift ...	99 0 0	0 5 10·9	27 0 0	5 to 60 feet
Eleven small parcels ...	Various	153 0 0	0 9 10·82	72 6 0	
	Totals	2,332 18 0	0 15 6·16	1,779 12 12	
ALEXANDRA SUBDIVISION.					
The Try Again	Pap's Reef	2 0 0	1 8 0	2 16 0	Surface to 50 feet
Peter Mannoni and party ...	Durham Gully Reef ...	14 0 0	9 10 0	133 0 0	Surface to 40 feet
Selby and Johnson ...	Candlelight Reef ...	25 0 0	0 7 4·8	9 0 0	Surface to 50 feet
	Totals	41 0 0	3 10 15·22	144 16 0	

QUANTITY of QUARTZ Crushed in each Division and Subdivision during the Quarter, &c.—*continued.*

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
DRY CREEK SUBDIVISION.					
R. G. Meade, Unee Quartz Claim	Table Land, Dry Creek	350 0 0	0 2 3	40 0 0	
GAFFNEY'S CREEK SUBDIVISION.					
Al G. M. Tributers	Castle reefs	400 0 0	0 13 16·26	273 11 0	About 70 feet
Rose of Denmark Tributers.	Eureka Reef	60 0 0	0 6 16	20 0 0	About 200 feet
Wallaby Tributers	Wallaby Reef	8600 0 0	0 15 12·44	465 11 0	About 100 feet
Sundry lots	Homeward Bound Reef	1,400 0 0	0 0 18	52 10 0	About 200 feet
	Totals	2,460 0 0	0 6 14·36	811 12 0	
WOOD'S POINT SUBDIVISION.					
The Revival (Ford's Tribute)	Sir John Franklin reefs	800 0 0	0 8 20·72	354 10 18	About 200 feet
Lady Franklin Tributers	Johnson's Reef	130 0 0	0 2 13·66	16 14 0	About 100 feet
Morning Star Prospectors Tributers	Morning Star Reef	800 0 0	0 3 0·72	121 4 0	About 70 feet
North Waverly	Waverly Reef	400 0 0	0 3 9·24	67 14 0	About 130 feet
Axton and Ryan	Morning Star Reef	60 0 0	0 4 4	12 10 0	Surface
	Totals	2,190 0 0	0 5 5·51	572 12 18	
BIG RIVER SUBDIVISION.					
Londonderry S. M.	Railway Reef	900 0 0	0 4 1·6	183 0 0	About 300 feet
Luck's All Q. M.	Warner's Reef	9172 0 0	1 2 2·23	190 0 0	About 250 feet
	Totals	1,072 0 0	0 6 23·01	373 0 0	
MITTA MITTA NORTH SUBDIVISION.					
Happy Go Lucky	Mount Firebrace	300 0 0	0 10 19·2	162 0 0	
Prospecting Mill	Cotton Tree	295 0 0	0 13 14·4	200 12 0	
Hore and Co.	Cotton Tree	32 0 0	0 12 0	19 4 0	
Coleman	Cotton Tree	27 0 0	0 12 7·11	16 12 0	
Philip	Cotton Tree	4 10 0	0 9 2·66	2 1 0	
Gregson	Cotton Tree	3 0 0	1 3 8	3 10 0	
Peadon Brothers	Cotton Tree	6 0 0	0 11 16	3 10 0	
Clarke Brothers	Cotton Tree	4 0 0	0 14 0	2 16 0	
Padgett	Cotton Tree	9 0 0	0 5 21·33	2 13 0	
Peach and party	Cotton Tree	6 0 0	0 5 16	1 14 0	
Sutherland	Cotton Tree	9 0 0	0 10 8	4 13 0	
Christy and Co.	Cotton Tree	6 0 0	0 15 16	4 14 0	
Frazer and Co.	Cotton Tree	5 0 0	0 9 14·4	2 8 0	
Miller and Co.	Cotton Tree	22 0 0	0 19 0	20 18 0	
Lee	Cotton Tree	11 0 0	0 16 2·18	8 17 0	
Doctor and party	Cotton Tree	12 0 0	0 7 8	4 8 0	
Flag Staff Comp.	Bethanga	186 0 0	0 10 18·53	100 3 14	
Trewalla Comp.	Bethanga	83 0 0	0 11 14·24	48 2 6	
	Totals	1,020 10 0	0 11 22·35	608 15 20	
MITTA MITTA SOUTH SUBDIVISION.					
Enterprise	Junction, Mitta Mitta	12 0 0	0 1 20	1 2 0	
Christmas	Junction, Mitta Mitta	12 0 0	0 5 20	3 10 0	
Christmas (2nd lot)	Junction, Mitta Mitta	7 0 0	0 8 20·57	3 2 0	
Welcome	Junction, Mitta Mitta	50 0 0	0 5 14·4	14 0 0	
Yellow Girl	Junction, Mitta Mitta	20 0 0	0 14 0	14 0 0	
Watson and Scales	Granite Flat	10 0 0	0 1 6	0 12 12	
Littlejohn and Williams	Granite Flat	14 0 0	0 3 3·43	2 4 0	
A. Hodder	Granite Flat	4 0 0	0 1 18	0 7 0	
Empress	Granite Flat	38 0 0	0 9 5·03	17 10 0	
Empress (No. 2)	Granite Flat	50 0 0	0 4 16·64	11 14 16	
Richards Bros.	Granite Flat	7 0 0	1 1 21·71	7 13 8	
Rose of Kilkenny	Granite Flat	16 0 0	0 8 4·5	6 11 0	
Pioneer	Junction, Mitta Mitta	15 0 0	0 3 3	2 7 0	
	Totals	255 0 0	0 6 15·38	84 13 12	
JAMIESON SUBDIVISION.					
Venture	Mack's Creek	600 0 0	0 3 2·56	93 4 0	100 feet
Sailor Bill	Sailor Bill Creek	480 0 0	0 10 0	240 0 0	400 feet
	Totals	1,080 0 0	0 6 4·08	333 4 0	

QUANTITY of QUARTZ Crushed in each Division and Subdivision during the Quarter, &c.—*continued.*

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
SANDHURST MINING DISTRICT.					
SANDHURST DIVISION.					
Albert	Diamond Hill	529 0 0	0 6 12·79	172 15 23	(Mixed lots from various reefs. See page 30.)
Beehive	Eaglehawk	5,360 0 0	0 9 18·55	2,619 4 0	
Bendigo and Melbourne ...	Kangaroo Flat ...	389 0 0	0 6 2·83	119 0 0	
Bird's Reef	Kangaroo Flat ...	1,389 0 0	0 8 2·06	561 11 12	
Catherine Reef U. C. ...	Eaglehawk	3,196 0 0	0 5 18·25	920 11 6	
Garden Gully United ...	Garden Gully Reef ...	4,443 0 0	1 1 0·56	4,670 8 0	
G. G. Consolidated ...	Golden Gully	1,078 0 0	0 4 12·06	242 14 1	
Great Extended Hustler's Reef	Hustler's Reef	2,582 0 0	0 8 9·47	1,083 15 0	
Great Britain	Golden Square ...	1,970 0 0	0 5 3·72	507 16 0	
Great Southern	Garden Gully Reef ...	3,783 0 0	0 6 11·47	1,225 7 0	
Hercules and Energetic ...	Victoria Reef	3,994 0 0	0 5 12·02	1,098 11 0	
Johnson's Reef G. M. ...	California Gully ...	6,980 0 0	0 4 9·12	1,528 14 0	
Lazarus	New-chum Gully ...	4,362 0 0	0 9 13·72	2,087 13 0	
Louisa	Eaglehawk	1,789 0 0	0 6 13·21	585 19 0	
Metropolitan	Golden Square ...	1,458 0 0	0 4 23·32	362 9 0	
Marong Crushing Works ...	Marong	237 0 0	0 5 9·06	63 14 12	
New-chum and Victoria ...	Ironbark	5,189 0 0	0 8 6·98	2,151 2 0	
New-chum United ...	New-chum Gully ...	1,773 0 0	0 8 9·4	743 19 0	
New Nelson	Nelson Reef	1,927 0 0	0 6 16·31	643 12 0	
Old Tom	Whipstick	240 0 0	0 1 8·65	16 6 12	
Shenandoah	New-chum Reef ...	2,532 0 0	0 4 22·19	623 10 0	
Victoria Consols	Victoria Reef ...	2,554 0 0	0 2 13·2	325 13 12	
Victoria Reef G. M. ...	Victoria Reef	4,330 0 0	0 8 3·89	1,767 3 0	
Wilson's Reef	Marong	305 0 0	0 7 22·89	121 6 0	
	Totals	62,389 0 0	0 7 18·51	24,242 15 6	
KILMORE DIVISION.					
Crown	Doyle's Reef	280 0 0	4 0 0	1,120 0 0	All above water-level at present.
Doyle's	Doyle's Reef	190 0 0	1 15 0	332 10 0	
Golden Crown	G. Crown Reef ...	13 0 0	1 10 0	19 10 0	
Beaconsfield	Magenta Reef	20 0 0	0 15 0	15 0 0	
Red Rover	Upper Reedy	15 0 0	0 10 0	7 10 0	
London and party ...	London Reef	5 0 0	1 0 0	5 0 0	
Trezise and party ...	Russell's Reef ...	12 0 0	2 14 0	32 8 0	
Overlander	Overlander Reef ...	16 0 0	0 8 0	6 8 0	
Doyle's Battery	Various places ...	60 0 0	0 5 0	15 0 0	
Tobin's Reef	Sunday Creek ...	6 0 0	1 0 0	6 0 0	
	Totals	617 0 0	2 10 13	1,559 6 0	
HEATHCOTE DIVISION AND WARANGA SOUTH SUBDIVISION.					
Alison	Lower Costerfield ...	48 0 0	1 0 0	48 0 0	
Collins	Redcastle	343 0 0	0 14 23·65	257 0 0	
	Totals	391 0 0	0 15 14·42	305 0 0	
WARANGA NORTH SUBDIVISION.					
Good Luck	Rushworth	54 0 0	0 3 22·66	10 13 0	All above water-level
No. 1 Hope of Denmark ...	Rushworth	29 0 0	1 1 5·79	30 16 0	
Lost Love	Rushworth	9 0 0	1 12 16	14 14 0	
Taylor and Crowe ...	Rushworth	2 0 0	3 13 12	7 7 0	
Cambridge and Warwick ...	Rushworth	40 0 0	0 5 13·35	11 2 6	
West Growlers	Rushworth	29 0 0	0 1 11·17	2 2 12	
Taylor Bros.	Rushworth	5 0 0	1 3 0	5 15 0	
Marsland and Co. ...	Rushworth	5 0 0	0 7 9·6	1 17 0	
Holme's Lease	Rushworth	19 0 0	0 4 0	3 16 0	
King Billy	Whroo	30 0 0	1 12 0	30 15 0	
Francis and Co.	Whroo	7 0 0	0 11 17·14	4 2 0	
Rowan and Co.	Whroo	13 0 0	0 4 0	2 12 0	
Hodge Bros.	Whroo	9 0 0	2 16 12	25 8 12	
Loughlin	... ...	2 0 0	0 10 0	1 0 0	
Jose and Co.	Whroo	5 0 0	0 6 4·8	1 11 0	
Whistlers	Coy's Diggings ...	22 0 0	8 3 15·27	180 0 0	
O'Brien and Co.	Coy's Diggings ...	12 0 0	0 4 6	2 11 0	
Telford and Co.	Coy's Diggings ...	6 0 0	2 3 16	13 2 0	
	Totals	298 0 0	1 3 10·49	349 4 6	
MARYBOROUGH MINING DISTRICT.					
MARYBOROUGH DIVISION.					
Bristol Hill	Western Reef, Bristol Hill	883 10 0	0 3 16·55	163 0 0	300 to 430 feet
James Kay Reade and Co. (public crushings)	Various places ...	97 0 0	0 4 5	20 8 5	Various
Wardley and party ...	Leviathan Reef, Chinaman's	352 0 0	0 13 0·95	229 10 0	70 to 80 feet
Wilson and Dark ...	Lord Napier Reef, Chinaman's	61 0 0	0 7 9·04	22 10 0	115 feet
Fisher and party ...	North German Reef, Chinamans	39 0 0	0 5 15·38	11 0 0	60 feet
	Totals	1,432 10 0	0 6 5·57	446 8 5	

QUANTITY of QUARTZ Crushed in each Division and Subdivision during the Quarter, &c.—*continued.*

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
AMHERST DIVISION.					
Croydon	Laura Reef	230 0 0	0 3 2·37	35 12 18	40 to 80 feet
No. 1 South Croydon ...	Laura Reef	140 0 0	0 2 4·93	15 8 18	Surface to 30 feet
No. 2 South Croydon ...	Laura Reef	100 0 0	0 1 20·82	9 6 18	40 feet
Union Q. M. C.	Church Hill Reef ...	144 0 0	2 0 1·92	288 11 12	200 feet
Trickey and party ...	Dundee Reef	77 0 0	0 2 7·89	9 3 12	60 feet
Perseverance	Prince of Wales Reef ...	27 0 0	0 8 17·11	11 15 6	40 feet
Sundries	Various	143 0 0	0 2 13·76	18 8 0	
	Totals	861 0 0	0 9 0·48	388 6 12	
AVOCA SUBDIVISION.					
Monte Christo	Murdoch's Reef ...	14 0 0	1 2 3·42	15 10 0	
DUNOLLY AND TARNAGULLA DIVISIONS.					
Queen's Birthday ...	Bealiba Reef	3,701 0 0	0 12 0·31	2,223 0 8	300 to 500 feet
Queen's Reef	Queen's Reef	713 0 0	0 1 19·69	64 18 0	130 feet
Kentish Reef	Kentish Reef	48 0 0	0 6 11·73	15 11 11	60 feet
Harvest Home	Harvest Home ...	30 0 0	1 2 0	33 0 0	40 feet
Harrop and Lees ...	... ...	0 1 0	520 0 0	26 0 0	40 feet
Yorkshire G. M.	Watt's Reef, Tarnagulla	1,474 0 0	0 7 16·38	566 4 12	160 to 200 feet
	Totals	5,966 1 0	0 9 19·63	2,928 14 7	
INGLEWOOD DIVISION.					
Jersey Reef Quartz Mining	Jersey Reef	182 0 0	0 11 8·15	103 3 20	
Dalmatia G. M.	Smuggler's Glen, McIntyres	20 0 0	0 1 3·6	1 3 0	
	Totals	202 0 0	0 10 7·94	104 6 20	
REDBANK SUBDIVISION.					
Tormey's Claim	Station Reef	22 0 0	2 8 0	52 16 0	
ST. ARNAUD SOUTH SUBDIVISION.					
Greenock Reef	70 feet to 170 feet (above water-level)	45 0 0	0 17 8·0	39 0 0	70 to 170 feet
Adams and party ...	Spinster Reef	30 0 0	0 6 9·6	9 12 0	50 feet
T. Kersley and party ...	Greenock Reef ...	17 0 0	0 10 0	8 10 0	15 feet
	Totals	92 0 0	0 12 9·91	57 2 0	
ST. ARNAUD NORTH SUBDIVISION.					
Working Miners ...	New Bendigo	700 0 0	0 7 2·68	248 18 6	200 to 260 feet
Chrysolite Tribute Quartz Mining Co. "Registered"	Chrysolite Reef ...	350 0 0	0 2 23·31	52 0 0	150 feet level
	Totals	1,050 0 0	0 5 17·55	300 18 6	

CASTLEMAINE MINING DISTRICT.

CASTLEMAINE DIVISION.					
Eureka	Eureka Reef	718 0 0	0 6 16·66	240 7 0	360 feet
Cardwell	Town Reef	41 0 0	0 19 12·3	40 0 0	62 feet
Argus United	Argus Flat	530 0 0	0 7 6·5	192 13 12	
McWalter's	Burn's Reef	84 0 0	0 17 12	73 10 0	160 feet
Central	Wattle Gully	759 0 0	0 4 4·24	158 10 0	350 feet
Wattle Gully	Wattle Gully	505 0 0	0 2 9·83	60 17 0	
Sebastopol Crushing ...	Lady Gully	247 0 0	0 3 16·2	45 7 18	
Little Nuggety	Nuggety Reef ...	52 0 0	0 7 20·3	20 8 0	230 feet
Archbold and Co. ...	Public crushings ...	155 0 0	0 15 4·18	117 12 0	
	Totals	3,091 0 0	0 6 3·41	949 5 6	
FRYER'S CREEK DIVISION.					
English Australian G. M. ...	Golden Gully	862 0 0	0 4 9·8	190 0 0	320 feet
Perseverance	Cattle's Reef	200 0 0	0 4 0	40 0 0	180 feet
Burdett-Coutts	Cattle's Reef	20 0 0	0 5 0	5 0 0	230 feet
New Era	Ferron's Reef	6,310 0 0	0 3 3·24	989 3 0	100 to 380 feet
Black Hawk	Cattle's Reef	123 0 0	0 1 20·87	11 10 0	150 feet
Rowe Bros.	Cattle's Reef	1,419 0 0	0 7 6·68	516 8 0	150 to 200 feet
Rowe Bros.	Ferron's Reef	417 0 0	0 4 21·69	102 5 0	20 to 80 feet
Duke Cornwall	Cattle's Reef	166 0 0	0 4 1·44	33 14 0	20 to 200 feet
Small and Co.	Cattle's Reef	50 0 0	0 2 9·6	6 0 0	190 feet
Macdonald and Co. ...	German Gully ...	24 0 0	0 10 0	12 0 0	90 feet
Mein's Freehold G. M. ...	Guilford Hill	3,560 0 0	0 1 18·39	314 8 0	
	Totals	13,151 0 0	0 3 9·04	2,220 8 0	

QUANTITY of QUARTZ Crushed in each Division and Subdivision during the Quarter, &c.—*continued.*

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
HEPBURN DIVISION.					
Argus	Italian Hill	566 0 0	0 2 15·06	74 11 10	30 to 150 feet
New North Cornish ...	Wombat Hill	105 0 0	0 3 3·96	16 12 8	Surface to 35 feet
Richardson's	Bismarck Reef ...	13 0 0	1 0 0	13 0 0	30 feet
Ansonia	Woman's Gully ...	23 0 0	0 4 8·34	5 0 0	10 feet
Fuseo	Pitcher's Reef ...	60 0 0	0 3 0	9 0 0	25 feet
Panham	Pitcher's Reef ...	52 0 0	0 1 16·61	4 8 0	40 feet
Bray and party	Frenchman's Reef ...	12 0 0	0 4 0	2 8 0	70 feet
King and Co.	Willard's Reef ...	60 0 0	0 4 0	12 0 0	70 feet
Union	St. George's Reef ...	630 0 0	0 1 0·38	32 0 0	140 feet
Ajax	Nuggety Reef... ...	690 0 0	0 6 16	230 0 0	270 to 280 feet
Keep-it-Dark Companies ...	Keep-it-Dark	120 0 0	0 8 8	50 0 0	100 to 140 feet
	Totals	2,331 0 0	0 3 20·44	448 19 18	
TARADALE AND KYNETON SUBDIVISION.					
United Kingdom	Taradale	945 0 0	0 1 15·62	78 0 0	
Little Wonder	Glenlyon	140 0 0	0 9 14·06	67 2 0	
	Totals	1,085 0 0	0 2 16·19	145 2 0	
TARRANGOWER DIVISION.					
Caledonian Mills	Parkin's, Linscott's, Nelson & Walker's reefs	92 0 0	0 17 0	78 4 0	200 to 300 feet
Linscott's Mills	Eaglehawk, Linscott's, and Nuggety reefs	622 0 0	0 12 17·44	395 16 0	50 to 270 feet
Phœnix Mills	Beehive, Swipers', German, Victoria & Irish Billy's reefs	1,000 0 0	1 9 12·27	1,475 11 12	80 to 300 feet
Great Western	Beehive Reef	120 0 0	0 4 0	24 0 0	40 to 80 feet
	Totals	1,834 0 0	1 1 12·53	1,973 11 12	
ST. ANDREW'S DIVISION.					
United Company ...	Hoddle's Creek ...	180 0 0	0 9 20·4	88 13 0	35 feet
Lyre Bird	Hoddle's Creek ...	25 0 0	0 13 0	16 5 0	27 feet
Sunday Reef	McCrae's Hill ...	8 0 0	0 1 12	0 12 0	20 feet
Sheppard and party ...	Warburton	1 0 0	1 4 0	1 4 0	10 feet
Central Mining	Reefton	38 10 0	1 13 2·4	63 14 8	180 feet
Hurst and Co.	Mountains	1 0 0	2 17 20	2 17 2	Surface
Murray and Hirt ...	You-You	3 10 0	1 10 20·57	5 8 0	50 feet
Smith and Hirt	You-You	2 0 0	1 10 12	3 1 0	30 feet
Hartley and Co.	You-You	7 0 0	0 10 17·14	3 15 0	60 feet
Hopkinson	You-You	2 0 0	1 10 0	3 0 0	60 feet
Apted and Co.	Pioneer	6 0 0	0 18 8	5 10 0	130 feet
Progress	Panton Hill	218 0 0	0 7 14·6	82 18 15	120 feet
Napoleon's March ...	Panton Hill	18 0 0	0 11 19·77	10 12 20	40 feet
Bignell and Co.	Fourth Hill, Warrandyte	7 0 0	3 0 0	21 0 0	30 feet
	Totals	517 0 0	0 11 22·47	308 10 21	

ARARAT MINING DISTRICT.

PLEASANT CREEK DIVISION.					
Wimmera	Stawell reefs	5,788 0 0	0 11 5·95	3,255 4 3	200 to 1,000 feet
North and South Wales ...	... ...	78 9 0	1 5 7·39	99 5 10	40 to 100 feet
Pioneer and Galatea ...	Stawell reefs	4,624 0 0	0 14 7·21	3,306 6 8	200 to 1,100 feet
New St. George	Stawell reefs	3,196 0 0	0 11 2·6	1,775 2 0	480 to 1,200 feet
Scotchman's	Stawell reefs	3,353 10 0	0 7 9	1,236 11 18	300 to 850 feet
Moonlight	Stawell reefs	3,580 0 0	0 14 22·07	2,670 13 0	410 to 1,120 feet
Wonga and Birmingham ...	Stawell reefs	2,069 0 0	0 2 18·53	286 15 21	24 to 100 feet
	Totals	22,688 19 0	0 11 3·19	12,629 18 12	
RAGLAN DIVISION.					
The Victory Quartz Gold Mining	Reef near Waterloo ...	17 0 0	1 4 2·24	20 10 0	

QUANTITY of QUARTZ Crushed in each Division and Subdivision during the Quarter, &c.—*continued.*

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
GIPPSLAND MINING DISTRICT.					
OMEO SUBDIVISION.					
Fashion Reef	Swift's Creek	10 0 0	1 12 0	16 0 0	
CROOKED RIVER DIVISION.					
Robert Moore	Upper Dargo	20 0 0	0 10 14·4	10 12 0	Surface to 20 feet
Parslow and Co. ...	Wentworth	30 0 0	0 6 0	9 0 0	
	Totals	50 0 0	0 7 20·16	19 12 0	
DONNELLY'S CREEK DIVISION.					
Bismarck United... ...	Donnelly's Creek ...	42 0 0	0 14 4	29 15 0	400 feet
STRINGER'S CREEK DIVISION.					
Long Tunnel	Cohen's Reef	5,034 0 0	1 8 19·1	7,248 0 0	343 to 623 feet
Walhalla (Tributers) ...	Cohen's Reef	997 0 0	0 8 10·78	421 4 0	
	Totals	6,031 0 0	1 5 10·38	7,669 4 0	
ABERFELDY SUBDIVISION.					
James Rice's Mine ...	Aberfeldy Reef ...	650 0 0	0 6 1·44	196 19 0	150 feet, water level 50 feet

QUARTZ TAILINGS, MULLOCK, ETC.

THE following information has been obtained from Returns made by the Mining Surveyors and Registrars relative to the Quantity of QUARTZ TAILINGS and MULLOCK, &c., Crushed in the several Divisions and Subdivisions of each Mining District during the Quarter, and the GOLD obtained therefrom.

Division and Subdivision, and Name of Company.	Where Quartz Tailings and Mullock, &c., were obtained.	Quartz Tailings and Mullock, &c., Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Mullock, &c., were obtained.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
BALLARAT MINING DISTRICT.					
CENTRAL DIVISION.					
Canadian	Ballarat East	2,580 0 0	0 1 12·59	196 13 0	Surface to 30 feet
Baker and Co.	Mount Clear	1,050 0 0	0 1 23·08	103 0 0	Surface to 20 feet
	Totals	3,630 0 0	0 1 15·62	299 13 0	
STEIGLITZ SUBDIVISION.					
Minerva	Elaine	220 0 0	0 3 2·18	34 0 0	
Wee Speck	Do.	20 0 0	0 4 9·6	4 8 0	
Dummott and Co. ...	Steiglitz	180 0 0	0 0 16	6 0 0	
	Totals	420 0 0	0 2 2·74	44 8 0	
BEECHWORTH MINING DISTRICT.					
BEECHWORTH DIVISION.					
Marco Polo	Hurdle Flat	48 0 0	0 2 0	4 16 0	Various depths
INDIGO DIVISION.					
Magenta	Magenta Reef... ...	632 0 0	0 1 9·91	44 13 0	Surface to 50 feet.
Place's Mill	Various	300 0 0	0 2 0	30 0 0	Chiefly surface from old workings
	Totals	932 0 0	0 1 14·44	74 13 0	
MITTA MITTA NORTH SUBDIVISION.					
Trewalla	Bethanga	23 0 0	0 7 4·17	8 5 0	

QUANTITY of QUARTZ TAILINGS and MULLOCK crushed in each Division and Subdivision, &c.—*continued.*

Division and Subdivision, and Name of Company.	Where Quartz Tailings and Mullock, &c., were obtained.	Quartz Tailings and Mullock, &c., Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Mullock, &c., were obtained.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
SANDHURST MINING DISTRICT.					
HEATHCOTE DIVISION AND WARANGA SOUTH SUBDIVISION.					
Alison	Lower Costerfield ...	100 0 0	0 3 0	15 0 0	
Collins	Redcastle	150 0 0	0 2 22·4	22 0 0	
	Totals	250 0 0	0 2 23·04	37 0 0	
MARYBOROUGH MINING DISTRICT.					
AMHERST DIVISION.					
T. Bartlemore	Various	470 0 0	0 1 19·91	43 0 0	
DUNOLLY AND TARNAGULLA DIVISIONS.					
Barbour and Clark ...	Iron-Bark	22 0 0	0 5 0	5 10 0	220 feet
Jos. Straker	Various places ...	60 0 0	0 1 4	3 10 0	Surface
	Totals	82 0 0	0 2 4·68	9 0 0	
ST. ARNAUD SOUTH SUBDIVISION.					
Douglas and Co.	Greenock Reef ...	150 0 0	0 1 5·12	9 2 0	
CASTLEMAINE MINING DISTRICT.					
CASTLEMAINE DIVISION.					
Crown	Nimrod Reef	1,140 0 0	0 1 0·1	57 5 0	Surface
Nuggety	Nuggety Reef ...	700 0 0	0 1 12	52 10 0	Surface
Davies and Co.	Donkey Gully ...	680 0 0	0 1 2·35	37 6 12	
Ajax Tribute	Bolivia Reef	510 0 0	0 1 10·66	36 16 15	
	Totals	3,030 0 0	0 1 5·13	183 18 3	
HEPBURN DIVISION.					
Francis	Wombat Hill	400 0 0	0 0 12	10 0 0	Shallow
ST. ANDREW'S DIVISION.					
Central Mining	Reefton	174 0 0	0 3 15·22	31 12 9	
United...	Hoddle's Creek ...	25 0 0	0 0 19·2	1 0 0	
	Totals	199 0 0	0 3 6·67	32 12 9	
ARARAT MINING DISTRICT.					
PLEASANT CREEK DIVISION.					
Wonga and Birmingham ...	Stawell reefs	35 0 0	0 2 13·54	4 9 18	
GIPPSLAND MINING DISTRICT.					
DONNELLY'S CREEK DIVISION.					
Bismarck United... ...	Donnelly's Creek ...	40 0 0	0 2 0	4 0 0	

PYRITES AND BLANKETINGS.

THE following information has been obtained from Returns made by the Mining Surveyors and Registrars relative to the Quantity of PYRITES and BLANKETINGS operated on in the several Divisions and Subdivisions of each Mining District during the Quarter, and the GOLD obtained therefrom.

Division and Subdivision, and Name of Company.	Where Pyrites and Blanketings were obtained.	Pyrites and Blanketings operated on.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Pyrites, &c., were obtained.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
BALLARAT MINING DISTRICT.					
CENTRAL DIVISION.					
Llanberris	Gumtree Flat... ...	18 0 0	1 16 14·66	32 19 0	
CRESWICK DIVISION.					
Port Phillip	Clunes	107 0 0	4 8 2·02	471 5 0	
New North Clunes ...	Clunes	19 0 0	4 18 18·31	93 16 12	
South Clunes	Clunes	67 5 0	7 1 23·82	477 9 0	
	Totals	193 5 0	5 7 21·45	1,042 10 12	
STEIGLITZ SUBDIVISION.					
Enterprise	Elaine	103 0 0	0 18 3·49	93 9 0	
Dummott and Co. ...	Steiglitz	22 0 0	0 5 2·18	5 12 0	
	Totals	125 0 0	0 15 20·35	99 1 0	
BLACKWOOD DIVISION AND BLUE MOUNTAIN SOUTH SUBDIVISION.					
Sultan	Barry's Reef	14 10 0	4 9 15·72	65 0 0	
BEECHWORTH MINING DISTRICT.					
BEECHWORTH DIVISION.					
Reform	Myrtleford	39 0 0	0 15 0	29 5 0	
YACKANDANDAH SOUTH SUBDIVISION.					
Bigelowe and Clingam ...	Homeward Bound, Hillsborough	25 0 0	0 15 5·04	19 0 6	
WANDILIGONG SUBDIVISION.					
E. M. Gill	Various localities ...	50 0 0	0 18 0	45 0 0	
SANDHURST MINING DISTRICT.					
SANDHURST DIVISION.					
United Pyrites ...	Pinchgut Gully ...	412 0 0	2 2 22·86	884 16 12	
Sandhurst & Eaglehawk P.E.	Jackass Flat	163 0 0	1 9 23·11	244 4 0	
Liddell and Co.	Derwent Gully ...	181 10 0	1 11 0·13	281 7 12	
	Totals	756 10 0	1 17 6·9	1,410 8 0	
HEATHCOTE DIVISION AND WARANGA SOUTH SUBDIVISION.					
Alison	Lower Costerfield ...	33 0 0	1 0 0	33 0 0	
MARYBOROUGH MINING DISTRICT.					
MARYBOROUGH DIVISION.					
Bristol Hill	Western Reef, Bristol Hill	13 11 0	2 7 2·08	31 18 12	
DUNOLLY AND TARNAGULLA DIVISIONS.					
Queen's Birthday ...	Bealiba Reef	15 0 0	1 6 16	20 0 0	
CASTLEMAINE MINING DISTRICT.					
CASTLEMAINE DIVISION.					
Mr. Yeats	Castlemaine	129 0 0	1 12 4·09	207 10 0	
HEPBURN DIVISION.					
J. Williams	... ...	3 0 0	0 16 16	2 10 0	250 feet
Ajax	... ...	7 0 0	1 14 6·85	12 0 0	250 feet
	Totals	10 0 0	1 9 0	14 10 0	
GIPPSLAND MINING DISTRICT.					
STRINGER'S CREEK DIVISION.					
Long Tunnel	Cohen's Reef	17 9 0	2 9 3·21	42 18 0	
Walhalla	Cohen's Reef	8 14 0	1 9 4·64	12 14 0	
	Totals	26 3 0	2 2 12·13	55 12 0	

WASHDIRT AND CEMENT.

SUMMARY.

THE following information has been obtained relative to the QUANTITY of WASHDIRT Puddled and Sluiced and CEMENT Crushed during the Quarter, and the GOLD obtained therefrom.

Mining Districts.	Quantity Puddled and Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold from Washdirt.	Mining Districts.	Quantity Puddled and Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold from Cement.
Washdirt.	tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	*Cement.*	tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.
Ballarat ...	11,696 0 0	0 1 22·19	1,125 11 4	Ballarat ...	100 0 0	0 4 3·84	20 16 0
Beechworth ...	17,588 0 0	0 2 6·12	1,983 1 0	Beechworth ...	...	...	...
Sandhurst ...	...	...		Sandhurst ...	60 0 0	0 1 20	5 10 0
Maryborough ...	12,160 0 0	0 5 10·21	3,29[illegible] 15 0	Maryborough ...	319 0 0	0 3 14·73	57 12 21
Castlemaine ...	80,626 0 0	0 1 3·96	4,69[illegible] 7 15	Castlemaine ...	460 0 0	0 3 16·96	85 5 0
Ararat ...	7,200 0 0	0 3 13·13	1,276 18 12	Ararat ...	3,615 4 0	0 3 17·8	676 6 8
Gippsland ...	...	...	...	Gippsland ...	...	...	...
Totals ...	129,270 0 0	0 1 21·97	12,381 13 7	Totals ...	4,554 4 0	0 3 17·11	845 10 5

NOTE.—This Summary does not show the total quantities of washdirt puddled and sluiced and cement crushed, but only the yield of certain crushings, &c., respecting which the Mining Surveyors and Registrars have been able to obtain information. Owing to the circumstance that many of the machine-owners are unable to give, or are precluded from giving, information, it is impossible to get complete returns from every district; and in considering the relative importance of each district, as regards alluvial mining, &c., the tables relating to machinery should be examined and compared.

Office of Mines,
Melbourne, 15th October 1879.

THOS. COUCHMAN,
Secretary for Mines.

WASHDIRT.

THE following information has been obtained from Returns made by the Mining Surveyors and Registrars relative to the QUANTITY of WASHDIRT Puddled or Sluiced in the several Divisions and Subdivisions of each Mining District during the Quarter, and the GOLD obtained therefrom.

Division and Subdivision, and Name of Company.	Where Washdirt was obtained.	Washdirt Puddled.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Washdirt was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
BALLARAT MINING DISTRICT.					
CENTRAL DIVISION.					
Winter's Freehold ...	Parish of Cardigan ...	9,700 0 0	0 1 19·93	887 15 0	405 feet thickness of washdirt from 2 to 6 feet
SOUTHERN DIVISION.					
Turner and party ...	Break-o'-Day	1,796 0 0	0 1 17·08	153 14 13	20 ft. to 50 ft.; 2 ft. 6 in. thick
Welcome	Pitfield Plains... ...	200 0 0	0 8 9·79	84 1 15	80 feet; 2 feet thick
	Totals	1,996 0 0	0 2 9·9	237 16 4	
BEECHWORTH MINING DISTRICT.					
INDIGO DIVISION.					
Chiltern Valley Gold Mines	Chiltern Lead... ...	17,528 0 0	0 2 6	1,977 11 0	330 to 338 feet
ALEXANDRA SUBDIVISION.					
Sundry lots	... ...	60 0 0	0 1 20	5 10 0	About 60 feet
MARYBOROUGH MINING DISTRICT.					
MARYBOROUGH DIVISION.					
Seaham	Alma	450 0 0	0 3 3·2	70 10 0	
Argus	Chinaman's	350 0 0	0 4 0	70 0 0	
	Totals	800 0 0	0 3 12·3	140 10 0	
AMHERST DIVISION.					
Union G. M. ...	Mount Greenock ...	4,300 0 0	0 3 12·05	753 0 0	240 feet
Hoffnung G. M. ...	Mount Greenock ...	1,300 0 0	1 6 37	82 5 0	100 feet
	Totals	5,600 0 0	0 2 23·59	835 5 0	
AVOCA SUBDIVISION.					
Working Miners	Company's ground ...	5,760 0 0	0 8 1·58	2,323 0 0	

QUANTITY of WASHDIRT Puddled or Sluiced in the several Divisions and Subdivisions, &c.—*continued.*

Division and Subdivision, and Name of Company.	Where Washdirt was obtained.	Washdirt Puddled.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Washdirt was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
CASTLEMAINE MINING DISTRICT.					
FRYER'S CREEK DIVISION.					
Vosti and Co.	Pennyweight	400 0 0	0 0 10·14	8 9 0	20 to 25 feet
S. Roberts and Co. ...	Kangaroo Hill ...	520 0 0	0 0 18	19 10 0	80 to 90 feet
Arthur and Co.	Butcher's Hill	325 0 0	0 1 0	16 5 0	90 to 100 feet
Ellis and Co.	Horseshoe Bend ...	650 0 0	0 1 0	32 10 0	12 to 14 feet
Parsons and Co.	Murdering Flat ...	3,250 0 0	0 0 15·36	104 0 0	15 feet
Tonkin and Co.	Chokem Flat ...	780 0 0	0 1 0	39 0 0	15 feet
Williams and Co. ...	New Year's Flat ...	2,600 0 0	0 0 6	32 10 0	15 to 17 feet
Stevens and party ...	New Year's Flat ...	1,300 0 0	0 0 7·2	19 10 0	19 feet
Trethewey and Co. ...	New Year's Flat ...	1,300 0 0	0 0 12	32 10 0	15 feet
Thomas and Co.	Bald Hill	600 0 0	0 1 0	30 0 0	90 feet
Ah Kay and Co.	Spring Gully	6,240 0 0	0 0 6	78 0 0	16 to 18 feet
Jenkins and Co.	Spring Gully	800 0 0	0 0 5·4	9 0 0	12 feet
Anderson and Co. ...	Spring Gully	1,300 0 0	0 0 3·69	10 0 0	12 feet
Jessen and Co.	Specimen Hill ...	780 0 0	0 0 4·92	8 0 0	10 feet
Miscellaneous	Pennyweight	3,000 0 0	0 0 12	75 0 0	Various
	Totals	23,845 0 0	0 0 10·35	514 4 0	
HEPBURN DIVISION.					
New North Cornish ...	Wombat Hill	600 0 0	0 0 6·6	8 5 0	Surface to 35 feet
Thorpe's and Merritt's ...	Kidd's Gully	1,840 0 0	0 0 5·08	19 10 0	10 to 20 feet
Campbell's, Baker's, Black's, and Cameron's	Doctor's Gully ...	1,330 0 0	0 0 12·53	34 17 0	7, 8, 10, 20 feet
Roleris, Folitus, and Philippinis	Stony Creek	3,800 0 0	0 0 11·27	89 5 0	8, 12, 90 feet
Folitus	Cameron's Gully ...	950 0 0	0 0 18·19	36 0 0	8 feet
Jas. Spence's	Wombat Flat	200 0 0	0 0 8·4	3 10 0	7 feet
Brow and party	Italian Hill	510 0 0	0 1 12·51	38 16 0	90 feet
Federal	Italian Hill	960 0 0	0 0 9·75	19 10 0	175 feet
Calancini and Bowles' ...	Elevated Plains ...	1,070 0 0	0 0 21·53	48 0 0	80 to 90 feet
Sutton's	Fiddler's Gully ...	950 0 0	0 0 8·59	17 0 0	7 feet
Power and Co., Fulch and Brown, and Twining	Table Hill	1,876 0 0	0 0 6·82	26 13 0	7, 6, 40 feet
Franklin	Franklinford	450 0 0	0 2 0	45 0 0	140 feet
260 Chinese	Hepburn	12,000 0 0	0 1 7·2	780 0 0	Various
	Totals	26,536 0 0	0 0 21·09	1,166 6 0	
TARADALE AND KYNETON SUBDIVISION.					
Ironstone Hill G. M. ...	Taradale South ...	4,476 0 0	0 5 1·61	1,134 0 0	284 feet
Confluence G. M. ...	Malmsbury North ...	9,555 0 0	0 1 6·02	600 0 0	260 feet
Good Friday	... ...	360 0 0	0 4 0	72 0 0	158 feet
	Totals	14,391 0 0	0 2 12·24	1,806 0 0	
TARRANGOWER DIVISION.					
Robt. Grigg and Co. ...	Porcupine Flat ...	325 0 0	0 1 0	16 5 0	40 feet
John Knight and Co. ...	Porcupine Flat ...	350 0 0	0 0 18	13 2 12	30 feet
Jas. Eddy and Co. ...	Porcupine Flat ...	600 0 0	0 0 18	22 10 0	12 to 15 feet
Jos. Gibbs and Co. ...	Eaglehawk	250 0 0	0 0 18	9 7 12	35 feet
Hetherington and Co. ...	Muckleford	120 0 0	0 1 0	6 0 0	Surface to 10 feet
T. Mayland	Muckleford	50 0 0	0 0 10·56	1 2 0	Surface
F. Duers and Co. ...	Sandy Creek	390 0 0	0 0 4·92	4 0 0	Surface
	Totals	2,085 0 0	0 0 16·65	72 7 0	
ST. ANDREW'S DIVISION.					
Crown	Warrandyte	500 0 0	0 2 5·97	56 4 12	Diorite
Sceptre	Warrandyte	82 0 0	0 1 15·84	6 16 3	Diorite
Sceptre Tribute	Warrandyte	25 0 0	0 1 12·48	1 18 0	Diorite
Burton and Co.	Warrandyte	46 0 0	0 0 21·60	2 1 10	Diorite
Warrandyte Freehold ...	Warrandyte	800 0 0	0 2 2·36	83 18 12	40 feet
Union Lead	Hoddle's Creek ...	120 0 0	0 0 22·91	5 14 14	120 feet
Black Leather	Hoddle's Creek ...	600 0 0	0 2 8·98	71 4 12	30 feet
Britannia Sluicing ...	Britannia Creek ...	96 0 0	0 1 4·25	5 13 0	Surface
196 Europeans	Britannia Creek ...	10,000 0 0	0 1 14·4	800 0 0	Various
54 Chinese	Britannia Creek ...	1,500 0 0	0 1 9·6	105 0 0	Various
	Total	13,769 0 0	0 1 15·69	1,138 10 15	
ARARAT MINING DISTRICT.					
RAGLAN DIVISION.					
New Victoria G. M. ...	Waterloo	7,200 0 0	0 3 13·13	1,276 18 12	160 feet

CEMENT.

THE following information has been obtained from Returns made by the Mining Surveyors and Registrars relative to the QUANTITY of CEMENT Crushed in the several Divisions and Subdivisions of each Mining District during the Quarter, and the GOLD obtained therefrom.

Division and Subdivision, and Name of Company.	Where Cement was obtained.	Cement Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Cement was obtained.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
BALLARAT MINING DISTRICT.					
SOUTHERN DIVISION.					
Crushed (on hire) by the Nil Desperandum Company's battery	Kangaroo	50 0 0	0 5 1·92	12 14 0	60 to 70 feet; 1 foot 6 inches thick
STEIGLITZ SUBDIVISION.					
Peterson and party ...	Dolly's Creek	35 0 0	0 3 10·28	6 0 0	
Smith and party	Dolly's Creek	15 0 0	0 2 19·2	2 2 0	
	Totals	50 0 0	0 3 5·76	8 2 0	
SANDHURST MINING DISTRICT.					
WARANGA NORTH SUBDIVISION.					
Scott and Co.	Whroo	60 0 0	0 1 20	5 10 0	
MARYBOROUGH MINING DISTRICT.					
MARYBOROUGH DIVISION.					
James Kay Reade and Co. (public crushings)	Various places ...	307 0 0	0 3 15	55 12 21	
Moon and party	Alma	12 0 0	0 3 8	2 0 0	
	Totals	319 0 0	0 3 14·73	57 12 21	
CASTLEMAINE MINING DISTRICT.					
FRYER'S CREEK DIVISION.					
Thomas and Co.	Bald Hill	90 0 0	0 8 0	36 0 0	90 to 100 feet
HEPBURN DIVISION.					
Leggo and party ...	Township	45 0 0	0 3 0	6 15 0	70 feet
Moffatt's	Wombat Hill	300 0 0	0 2 0	30 0 0	40 feet
Betheras and others ...	Township	25 0 0	0 10 0	12 10 0	75 feet
	Totals	370 0 0	0 2 15·89	49 5 0	
ARARAT MINING DISTRICT.					
PLEASANT CREEK DIVISION.					
Band of Hope	Deep Lead	1,441 0 0	0 2 12·02	180 3 18	
North and South Wales ...	Deep Lead	2,174 4 0	0 4 13·53	496 2 14	
	Totals	3,615 4 0	0 3 17·8	676 6 8	

NUMBER AND DISTRIBUTION OF MINERS ON THE GOLDFIELDS OF THE COLONY, FOR THE QUARTER ENDED 30TH SEPTEMBER 1879.

(From Returns made by the Mining Surveyors and Registrars.)

Name of Place.	No.	Total.
BALLARAT DISTRICT.		
Central Division:		
Ballarat West	605	
Ballarat East	1,470	
Little Bendigo	190	
Sago Hill and Bunker's Hill	20	
		2,285
Southern Division:		
Long Gully	10	
Staffordshire Reef	75	
Italian Gully	10	
Splitters' Gully	4	
Kangaroo	100	
Moonlight	10	
Bulldog	55	
Rokewood Junction	50	
Mount Misery	270	
Jackson's Gully	10	
Yankee Hill	15	
Grassy Gully	30	
Spring Creek	8	
Sawpit Gully	13	
Whim Holes	25	
Hard Hills	30	
Frenchman's	25	
Pinchgut	30	
Break-o'-Day	80	
Western Creek	80	
		930
Buninyong Division:		
Durham and tributaries	20	
Green Hills and Devonshire	10	
Scotchman's and Hard Hills	100	
Buninyong and Union Jack	10	
Hiscock's and Fairweather Reefs	140	
Winter's Flat and Cobbler's	70	
Black Lead and Gum-tree	60	
Napoleon, Kitty's Ranges, and Gympie	20	
Prospecting and isolated parties	35	
Grenville	5	
Magpie Ranges	40	
		510
Smythesdale Division:		
Smythesdale	80	
Scarsdale and Newtown	70	
Cape Clear	10	
Brown's	60	
Italian Gully	5	
Derwent Jack's	40	
Piggoreet	20	
Bottle Hill	50	
Snake Valley and Hard Hills	90	
Happy Valley and Lucky Woman's	160	
Haddon	670	
Golden Lake	5	
Madden's Flat	10	
Linton's	140	
Monkey Gully	12	
Moonlight	10	
Preston Hill	15	
		1,447
Creswick Division:		
Creswick	30	
Clunes	860	
Springhill	540	
Red Streak	112	
Union Hill	8	
Longpoint	15	
Diamond Gully	10	
Cobbler's Gully	10	
Bald Hills	20	
Sulky Gully	10	
Slaty Creek	35	
Mopoke	20	
Humbug Hill	15	
Portuguese Flat	15	
Back Creek	10	
Bullarook	15	
		1,725
Gordon Subdivision:		
Egerton	344	
Gordon	55	
		399
Carried forward	...	7,296

Name of Place.	No.	Total.
Brought forward	...	7,296
Steiglitz Subdivision:		
Steiglitz	14	
Morrison's	50	
Elaine and Mount Doran	90	
Bamganie	22	
Dolly's Creek and Little Forest	14	
		190
Blackwood Division and Blue Mountain South Subdivision:		
Golden Point	80	
Red Hill	50	
Barry's Reef and Split-tree	190	
Yankee Reef and Creek	80	
Simmons' Reef	50	
Sebastopol and Lower Lerderderg	70	
Blakeville	20	
Snake Gully	10	
Goodman's Creek and vicinity	20	
Ballan Flat	30	
Garibaldi and vicinity	20	
Wright's Reef	20	
Bacchus Marsh and vicinity	20	
Maher's Hill	10	
		670
Ballan Subdivision:		
Upper Werribee River	12	
Between Werribee and Eastern Branch of River Moorabool	4	
Blakeville Road	4	
		20
Total for Ballarat District	...	8,176
BEECHWORTH DISTRICT.		
Beechworth Division:		
Spring Creek	105	
Silver Creek	25	
Deep Creek	22	
Hurdle Creek	22	
Pennyweight Flat	50	
Two-mile Creek	60	
Three-mile Creek	180	
Six-mile Creek	40	
Stony Creek	65	
Myrtleford, &c.	105	
Wooragee, &c.	100	
Reid's Creek	38	
Woolshed	105	
Sebastopol	100	
Eldorado	180	
Stanley and neighborhood	340	
Buckland Gap	25	
		1,562
Yackandandah South Subdivision:		
Clear Creek	45	
Bruarong	16	
Kirby's Flat	33	
Rowdy Flat	24	
Osborne's Flat	40	
Allan's Flat	16	
Staghorn Flat	40	
Twist's Creek	40	
Muddy Creek	35	
Hillsborough	14	
Sandy Creek	90	
Township	46	
Hayes' Point	20	
Fell Timber Creek	6	
		465
Indigo Division:		
Chiltern and New Ballarat Leads	170	
Suffolk Lead	6	
Indigo Lead	128	
Lancashire Lead	4	
Lanarkshire Lead	6	
Caledonian Lead	16	
Clydesdale Lead	6	
Robert Burns Lead	3	
Carried forward	...	2,027

NUMBER and DISTRIBUTION of MINERS on the Goldfields, &c.—*continued.*

Name of Place.	No.	Total.
Brought forward	...	2,027
Indigo Division—continued.		
Rutherglen Reefs	35	
Chiltern Reefs	47	
Kincardinshire Lead	7	
Durham Lead	10	
Newcastle Lead	2	
All England Lead	6	
White Star Lead	14	
		460
Wandiligong Subdivision:		
Morse's and Growler's Creeks ...	170	
		170
Buckland Division:		
Harrietville	102	
Harrietville to Bright	484	
Bright to Boundary, including Running Creek	260	
Buckland	261	
		1,107
Alexandra Subdivision:		
Alexandra and vicinity	20	
Gobur and vicinity	22	
Devil's River and tributaries ...	20	
Johnson's Creek and tributaries ...	6	
Head of U T Creek	4	
Goulburn River	12	
Doogalook	2	
Spring Creek	14	
Higinbotham	10	
Tea-tree Creek and vicinity ...	10	
Acheron River	26	
Maindample and Doon	20	
Yea	20	
Merton and vicinity	10	
Scattered population	10	
		206
Dry Creek Subdivision:		
Brankeet Creek	9	
Dry Creek	36	
Hell's Hole Creek	19	
Table Land	32	
		96
Gaffney's Creek Subdivision:		
Goulburn River	18	
Gaffney's Creek	36	
Cannon's Creek	10	
Raspberry Creek, &c.	30	
Lyrebird Creek	2	
Wallaby Reef, &c.	13	
Moving population	6	
Ryan's Creek	4	
Moonlight Creek	2	
		121
Wood's Point Subdivision:		
Wood's Point and Morning Star ...	25	
Lower Goulburn	14	
Right and left branches	20	
Gooley's Creek	2	
Harper's and Pheasant Creeks ...	8	
Perkins' Creek and Waverley ...	14	
All Nations and Creek	16	
Black River	12	
Moving population	8	
Maori Creek	3	
Never-mind Spur	45	
		167
Big River Subdivision:		
Frenchman's Creek	2	
Warner's Creek	10	
Enoch's Point	8	
Railway Creek	20	
Jim Thomas' Creek	4	
Big River North	26	
Big River South	4	
Fry's Creek	3	
Moving population	4	
Goulburn River	12	
		93
Mitta Mitta North Subdivision:		
Bethanga Line	10	
Mount Firebrace	20	
Keivan Line	40	
Harper's Line	20	
Marines Line	20	
Horse Line	20	
Matthew's Line	19	
Rhodes Line	20	
The Old Soldier	20	
The Golden Vine	11	
		200
Carried forward		4,647

Name of Place.	No.	Total.
Brought forward	...	4,647
Mitta Mitta South Subdivision:		
Lightning Creek	17	
Granite Flat	50	
Mitta Mitta River	21	
Junction	47	
Wheeler's Creek	40	
		175
Jamieson Subdivision:		
Howqua River and tributaries ...	5	
Goulburn River, from Howqua to Jamieson	25	
Mack's Creek	40	
Goulburn River, from Jamieson to Swampy Creek	70	
Sailor Bill's Creek	100	
Flume Creek	10	
Baker's Creek	30	
		280
Total for Beechworth District ...	...	5,102
SANDHURST DISTRICT.		
Sandhurst Division:		
Back Creek and Spring Gully ...	220	
Sheepshead and Golden Gully ...	280	
Golden Square and Kangaroo Flat ...	440	
Crusoe Gully and neighborhood ...	90	
Marong and Bullock Creek ...	140	
Victoria and New-chum Reefs ...	490	
Long, Maiden, and Derwent Gullies ...	480	
Ironbark	490	
Bendigo Flat	450	
White Hills and Epsom	100	
Huntly	150	
Sydney Flat and Whipstick ...	250	
Specimen Hill and Sailors' Gully ...	260	
Devonshire Gully and Dead-horse Flat	220	
Windmill Hill and California Gully ...	330	
Eaglehawk Gully and Flat	270	
Snob's Hill and Pegleg Gully ...	340	
Raywood	50	
Elysian Flat	50	
Sebastian	70	
Kamarooka	45	
Scattered and prospecting	300	
		5,515
Kilmore Division:		
Reedy Creek	106	
Sunday Creek	10	
Kilmore Diggings	12	
Strath Creek	8	
		136
Heathcote Division and Waranga South Subdivision:		
Graytown	20	
Redcastle	90	
Heathcote	150	
Costerfield	210	
Tooborac	25	
Kimbolton and Campaspe	25	
Coliban and Myrtle Creek	30	
Wild-duck	35	
		585
Waranga North Subdivision:		
Rushworth	91	
Whroo	95	
Coy's Diggings	46	
		232
Total for Sandhurst District ...	...	6,468
MARYBOROUGH DISTRICT.		
Maryborough Division:		
Alma	350	
Waterloo	50	
Inkerman	50	
Moonlight Flat	50	
Adelaide Lead	115	
Golden Point	70	
Craigie	70	
Four-mile Flat	80	
Carisbrook	190	
Mosquito	160	
Blucher's	260	
Newtown	150	
Havelock	165	
Chinaman's	650	
Blackman's Lead	50	
Maryborough	375	
		2,835
Carried forward	...	2,835

Number and Distribution of Miners on the Goldfields, &c.—*continued.*

Name of Place.	No.	Total.
Brought forward	...	2,835
Majorca Subdivision:		
Majorca	45	
England's Hill Lead	12	
Gibraltar Lead	10	
Scandinavian Lead	15	
McCallum's Creek	20	
Rocky Flat	20	
		122
Amherst Division:		
About Talbot	35	
Scandinavian Lead	10	
Mount Greenock	62	
Nuggety and Long Gullies	36	
Kangaroo Gully and Flat	26	
Mia Mia Flat and Gully	40	
Daisy Hill and tributaries	130	
Adelaide Lead South	50	
Blacksmith's Gully	16	
Emu and Cockatoo	30	
Brown's Gully	12	
Norfolk Gully	14	
Rocky Flat	14	
Mount Glasgow	4	
Lilicur	6	
Eglinton	4	
		489
Avoca Subdivision:		
Amphitheatre	50	
Avoca Lead	75	
Green Hill Creek	60	
Percydale	150	
Homebush	215	
Lamplough	130	
Mountain Hut	25	
No. 1 Creek	45	
No. 2 Creek	70	
Kimberley and Sardine	15	
Donkey Hill	30	
Middle Creek, &c.	20	
Gullies east of Avoca	20	
		905
Dunolly and Tarnagulla Divisions:		
Dunolly	410	
Burnt Creek	100	
Goldsbrough	350	
Inkerman	60	
Moliagul, &c.	165	
Bealiba	80	
Murphy's Flat, &c.	15	
Jones' Creek, &c.	70	
Tarnagulla	110	
Half-way, &c.	10	
Llanelly, &c.	60	
Wild-dog, &c.	50	
		1,480
Inglewood and Wedderburn Divisions:		
Inglewood	320	
Berlin Diggings	110	
Kingower	80	
McIntyre's	50	
Synnott's	20	
Burke's Flat	50	
Opossum Hill	100	
Wehla	30	
Kangdaar Creek	30	
Wedderburn	65	
Garibaldi	17	
Avoca Forest	8	
Woolshed and Yorkshire Flat ...	26	
Kilburnie	81	
		987
Redbank and St. Arnaud South Subdivisions:		
Stuartmill, &c.	60	
Redbank, &c.	85	
Fowler's Lead	16	
Hinds	32	
Moonambel, &c.	196	
Darling Flat	33	
Emerald Flat	67	
Sandy Creek	13	
Canterbury	16	
		518
St. Arnaud North Subdivision:		
New Bendigo	40	
St. Arnaud	190	
Stuartmill, &c.	35	
Silver Mines, &c.	20	
Carried forward	...	7,336

Name of Place.	No.	Total.
Brought forward	...	7,336
St. Arnaud North Subdivision—continued.		
Rostron's and Wattle Flat	20	
Emu, &c.	25	
Carapooe	15	
Bell Rock, &c.	20	
Blink Bonnie, &c.	10	
Duchess of Edinburgh	20	
Jerejaw, &c.	20	
Victoria Reef, &c.	20	
		435
Total for Maryborough District		7,771
Castlemaine District.		
Castlemaine Division:		
Castlemaine	104	
Eureka Reef	40	
Guildford	100	
Campbell's Creek	119	
Sailor's Gully	30	
Barker's Creek	80	
Myrtle Creek	10	
Moonlight Flat	50	
Chewton	210	
Wattle Gully	84	
Golden Point	75	
Diamond Gully	92	
		994
Fryer's Creek Division:		
Golden Gully to Fryerstown ...	180	
Spring Gully to Specimen Hill ...	80	
Chok'em Flat to Vaughan	220	
Butcher's and Kangaroo Hills ...	80	
German and Mopoke Gullies ...	105	
Loddon: Vaughan to Pennyweight ...	100	
Table Hill and Tarilta	100	
Guildford Hills	200	
Loddon: Vaughan to Holcombe ...	150	
Nuggety Hill and Irishtown ...	110	
Green and Sailors' Gullies	35	
Pickpocket and Hard Hills	50	
Strathloddon and Hit-or-Miss ...	120	
		1,530
Hepburn Division:		
Dry Diggings Section	55	
Yandoit Section	80	
Boots Gully Section	38	
Italian Gully Section	55	
Spring Creek Section	60	
Doctor's Gully Section	42	
Brandy-hot Section	32	
Deep Creek Section	80	
Blind Creek Section	100	
Stony Creek Section	65	
Wombat Creek Section	72	
Daylesford Section	255	
Connel's Gully Section	85	
		1,019
Taradale and Kyneton Subdivision:		
Taradale	65	
Liberty Flat and Belltopper ...	90	
Redesdale	45	
Malmsbury	95	
Coliban	25	
Lauriston	40	
Scattered	86	
		446
Tarrangower Division:		
North Maldon	50	
Beehive Hill	39	
Eaglehawk	45	
Long Gully	41	
Porcupine Flat	34	
Fiddler's Flat	2	
Mount Tarrangower	60	
Sandy Creek	61	
Nuggety	2	
Mia Mia	26	
Green Valley	8	
Muckleford	12	
Clydesdale	55	
River Loddon	11	
Parkin's Reef	25	
German Reef	40	
Fenteman's Reef	4	
		515
Carried forward	...	4,504

NUMBER and DISTRIBUTION of MINERS on the Goldfields, &c.—*continued.*

Name of Place.	No.	Total.
Brought forward	...	4,504
St. Andrew's Division:		
Anderson's Creek	70	
Long Gully	18	
Smith's Gully	14	
You-You	17	
Wild-dog	12	
Walsh's	10	
Warburton	9	
Cherry-tree	10	
Cobbler's Gully	3	
Watery Gully	6	
Reefton	25	
Pioneer	11	
Queenstown	32	
Kingstown	33	
One-tree Hill	7	
McMahon's	7	
Emerald	8	
Starvation Creek	6	
Hoddle's Creek	70	
Diamond Reefs	2	
Muddy Creek	3	
Wombat Creek	11	
Big Pat's	2	
Wilson's Creek	6	
Blue Mountain North Subdivision:		392
Trentham	10	
Newbury	26	
Garlick's	37	73
Total for Castlemaine District ...	...	4,969
ARARAT DISTRICT.		
Ararat Division:		
Ararat Proper	145	
Armstrong's	60	
Philip's Flat and Cathcart	50	
Rhymney Reef and Shea's Flat ...	20	
Opossum Gully and Port Curtis ...	45	
Moyston and Londonderry	40	
Emu Rush at Fryingpan Plains ...	200	
Pleasant Creek Division:		560
Silver Shilling	15	
Deep Lead, Forty-foot, & Welshman's Flat	480	
Great Western	50	
Stawell	840	
Seventy-foot	25	
Germania	20	
Welcome	6	
Darlington	8	
Ironbark	42	
Cosmopolitan	16	
Barkly Division:		1,502
Landsborough	65	
Barkly	55	
Frenchman's	160	
Glenpatrick	22	
Raglan Division:		302
Beaufort	90	
Sailors' Gully	40	
Charlton	50	
Waterloo	270	
Old Main Lead	120	570
Total for Ararat District ...	...	2,934
GIPPSLAND DISTRICT.		
Omeo Subdivision:		
Livingstone Creek	150	
Mitta Mitta River, from Cobungra to Wombat Creek	20	
Wombat Creek	20	
Gibbo River	17	
Swift's Creek	160	
River Tambo	12	
Sassafras, Wheeler's and Saltpetre Creeks	300	
Mitchell River and Boggy Creek Subdivisions:		679
Nicholson and Tambo Rivers and their tributaries	90	
Boggy Creek and tributaries ...	169	
Merrijig Creek and tributaries ...	20	
Sandy's Creek and tributaries ...	40	319
Carried forward	...	998

Name of Place.	No.	Total.
Brought forward	...	998
Crooked River Division:		
Grant	5	
Crooked River	40	
Jungle Creek	8	
Twelve-mile Creek...	4	
Twenty-five-mile Creek	12	
Thirty-mile Creek	10	
Wentworth	43	
Upper Dargo	38	
Middle Dargo	19	
Lower Dargo	14	
Upper Mitchell	14	
Good Hope	6	
Good Luck Creek	6	
Granite Creek	6	
Wonnangatta	2	
Wongungarra	6	
Jericho Division:		233
Dry Creek	6	
Lower Jordan	40	
Upper Jordan	22	
Red Jacket Creek	10	
Blue Jacket Creek...	8	
B B Creek	26	
Thomson River	16	
Aberfeldy River	12	
Donnelly's Creek Division:		140
Donnelly's Creek	53	
Aberfeldy, Fulton's Creek, &c. ...	20	
Stringer's Creek Division:		73
Walhalla (Cohen's Reef)	328	
Aberfeldy River	30	
Thomson River	50	
Tubal Cain	4	
Stringer's Creek	4	
Happy-go-lucky	6	
Fulton's Creek	6	
Ranges (prospecting)	5	
Aberfeldy Subdivision:		433
Aberfeldy River	40	
Thomson River	22	
Lily of the Valley Co.	30	
Aberfeldy Claim (Jas. Rice's lease) ...	30	
Lone Star	4	
Russell's Creek Division:		126
Crossover Creek	17	
Tanjil	25	
Russell's Creek	12	
Hawthorn Creek	9	
Wombat Creek	2	
Tangil River	3	
Camp Creek	2	
Columbia Reef	4	
Kenny's Creek	2	
Pheasant Creek	5	
Slater's Gully	1	
Stony Creek	3	
Bendoc Subdivision:		85
Bendoc	10	
Bonang	8	
Delegate River	2	
Bog and Queensborough	14	
Lower Bendoc	2	
Back Creek	6	
Tarwin Subdivision:		42
Foster	62	
Turton's Creek	6	
Benison Flat	4	
Traralgon Subdivision:		72
Morewell	4	
Naracan Creek	25	
Traralgon Creek	6	
Flinn's Creek	2	
Tyer's River and Creek	6	
Merriman's Creek	3	
Moe	5	
La Trobe	4	
Bennett's Creek	2	
Eaglehawk Creek	4	
Sunny Creek	4	
Couchman's Creek	12	
Mosquito Creek	4	81
Total for Gippsland District ...	...	2,283
GRAND TOTAL ...	...	37,703

Office of Mines,
Melbourne, 15th October 1879.

THOS. COUCHMAN,
Secretary for Mines.

MINING SURVEYORS AND REGISTRARS' REPORTS.

BALLARAT MINING DISTRICT.

CENTRAL DIVISION.

Mr. David Christy, Mining Registrar.

I have the honor to report that mining in this district has been pursued during the past quarter with unabated vigor. The success of the Band and Albion Consols Company in their quartz mining has led to the formation of several companies on private land, northerly from that company's boundary, and, from indications met with in sinking, viz.—cutting through leaders—it is, with great confidence, anticipated that a good paying reef will be obtained. My statistics show, however, a slight falling off in the yield from last quarter; still, the yield of 7 dwts. 12 grs. per ton is considered a very satisfactory return for Ballarat quartz—a return which will cover miner's wages and permit of a fair dividend to capitalists interested.

In alluvial mining I have nothing of interest to report beyond the ordinary routine work, save the discovery of a reef-wash which has been struck by the Mount Clear Company at New Chum Gully, on the eastern side of the Buninyong road, and from which one machine of washdirt has yielded the admirable return of 30 ounces. The extent of this reef-wash is not as yet known, but, from the situation, it is supposed to be considerable.

I regret I am not in a position to report that the City of Ballarat Company is obtaining gold. It will be seen by the following paragraph from the manager that the prospects of the company are favorable:—"After pumping for upwards of three months, we have succeeded in overcoming the immense body of water we had to contend with, and expect to obtain washdirt in the course of ten days. The water is much easier, and appears to be permanently draining off—in fact, all the works are now going on in a most satisfactory manner."

The quantity of water sold during the quarter for mining purposes was 47,420,000 gallons:—

3,742,000 gallons	at 4d. per 1000 gallons.
7,048,000 ,,	at 2d. ,,
34,577,000 ,,	at ½d. ,,
2,053,000 ,,	at a minimum of 15s. per month, per 1,000 gallons for sluicing purposes.
47,420,000 gallons.	

STATEMENT SHOWING THE QUANTITY OF ALLUVIAL GOLD OBTAINED BY COMPANIES WITHIN THE DIVISION DURING THE QUARTER.

	oz.	dwt.	gr.
Winter's Freehold	887	15	0
Band and Albion Consols	641	7	0
New Ballarat Extension	106	1	0
Guiding Star	103	18	2
New Eureka	46	5.	6
Co-operative parties at Little Bendigo, Canadian, Sailor's Gully, and New Chum—about	4,000	0	0
(Including several parcels discovered at White Horse Ranges by private parties and sold to the gold buyers.) Total	5,785	6	8

DIVIDENDS PAID FROM ALLUVIAL AND QUARTZ MINES DURING THE QUARTER.

	£	s.	d.
Band and Albion Consols	8,418	15	0
Temperance Co.	1,450	0	0
Endeavor Co.	300	0	0
New North Dimocks Co.	200	0	0
Baker & Co.	120	0	0
	£10,488	15	0

SOUTHERN DIVISION.

Mr. George Perry, Mining Registrar.

QUARTZ MINING.

The total yield of gold from this branch of mining shows an increase of nearly 115 ozs. over that of the previous quarter, chiefly owing to the greater quantity of quartz crushed.

Staffordshire Reef.—The Hopewell Company have been prospecting for some time past, but not meeting with anything payable have ceased operations, and the machinery has been sold. This is much to be regretted, as it is the deepest mine in the division, and a great amount of money has been expended without satisfactorily proving the deep quartz reefs which are known to exist in the claim.

The Hopewell Tributers have sunk their shaft to the depth of 212 feet, opened out at 208 feet, and cut through the lode, which is 10 feet thick, but finding the water too heavy had to discontinue work at that level and open out higher up the shaft, where they have struck the lode showing payable gold. Fifty tons of quartz have been crushed, which yielded 15 ozs. 0 dwts. 6 grs.

The Speedwell Tribute Company are getting better yields.

Kangaroo—The New Kangaroo Company have lately been crushing very poor stone obtained from the north part of the mine, but I am informed that there is better stone south, which they are opening up with all possible speed.

The New Try Again Company have let the mine on tribute. The stone crushed is very poor.

The Williams' Fancy Company have lately struck some excellent stone in a winze at the bottom level, but they cannot work it until the shaft is sunk deeper.

The Nil Desperandum Company have been prospecting at the lower level, but not finding anything payable had to resume work in their upper levels, intending to prospect further when their funds will allow.

The New Venture Company resumed work on the 7th July, since which date they have struck the lode and raised about 120 tons of stone therefrom, which is being crushed at the Nil Desperandum Company's battery, which will not be cleaned up in time for this report.

Alluvial.

In this branch of mining there is no improvement of any consequence.

Kangaroo.—The Lucky Company are making good wages.

Pitfield Plains.—The Welcome Company are doing exceedingly well.

In the other parts of the division there is very little doing.

BUNINYONG DIVISION.

Mr. Robert M. Harvey, Mining Surveyor and Registrar.

Quartz Mining.

The prospectors at Kitty's Ranges are still at work, but have not yet been successful in finding gold-bearing quartz.

On Hiscock's Reef the Imperial Company continue to get good stone in large quantities, having crushed 1,520 tons, averaging over 6 dwts. They are now repairing machinery, and expect a long continuance of good returns.

The One and All Company are sinking on the line of the Imperial Company's good stone, about 120 feet to the north. They have already struck a gold-bearing vein, but it is not supposed to be the same as that on which the Imperial are working.

The public crushings at the One and All Company have yielded well. This is the only battery for public crushing in the division. For large quantities their price is now 5s. per ton.

Alluvial Mining.

I have no change to report. The Hard Hills miners have been making generally good wages.

On Watson's lease pumping is still carried on, deeper ground than was anticipated having been found, and hence more water. The proprietor expects soon to be washing; any trials made have given good prospects.

Water.

The quantity of water used can only be approximately estimated. Much has been wasted; probably over 10,000,000 gallons have been used, yielding a revenue of £4 10s. This is from the Government reservoir, under control of Buninyong Borough Council.

SMYTHESDALE DIVISION.

Mr. John Lynch, Mining Surveyor and Registrar.

There is an increase of 1,115 ozs. in the yield for this quarter over that of the last, and the yields from the mines continue to improve. The chief source of supply is Haddon, an extensive valley containing widespread deposits very likely to last for a long time. A most valuable discovery has recently been made at Brown's. A party of miners, some of whom having been acquainted with the locality, commenced to prospect there some twelve months ago, and, despite of serious discouragements physically and financially, persevered in their efforts, which at last have been rewarded beyond their most sanguine expectations. Their first week's proceeds gave them £38 per man, and their second week £55 10s. per man. The ground is alluvial, and the depth varies between 150 and 200 feet, and the lead of gold is such as warrants the belief that it is of considerable extent, and not merely a patch. This discovery has naturally caused a stir among the miners, and has led them to take up a large extent of adjacent ground along the supposed course of this rich run. There is no doubt that, owing to the hasty and unsystematic working in past times of this once prolific goldfield, a great deal of rich ground has been either left altogether undiscovered, or at most but imperfectly tried. Should the lucky instance at hand be followed up by one or more even of moderate success, a general resuscitation of mining along the entire basin must certainly ensue. The Golden Belt Company, Springdallah, has not of late made the progress that could be desired, but I believe the few untoward incidents which have beset it are now removed, and that satisfactory progress may be expected for the future. A great deal of interest attaches to this claim, as upon it depends the fate of deep sinking in this part of the district. Towards the extreme south part of the district, along by Cape Clear and its vicinity, there is nothing of importance going on. At Lintons the Canterbury claim is keeping up pretty well its wonted *status*, but those others which have been prominent there for years show a tendency to recede. Some good patches are occasionally met with in several parts of Lintons and the Happy Valley district, but the more certain sources are becoming sensibly scarce as the deep leads are getting exhausted. There is nothing of material import to notice in the Carngham district. A few claims are doing fairly well at Bottle Hill, but it must be allowed that in general this portion of the mining division is very dull. This remark applies only to its alluvial resources, for I am under the impression that its quartz reefs contain vast stores of gold. Various efforts to effectually deal with this branch of mining have been made there up to the present, but they have been all of too fitful a character to answer the necessary ends. And this observation might be said to apply to quartz mining all over the division. At Mullocky Point, Brown's, a quartz claim has been taken up recently to test the well-known lodes existing there. The ground occupied has been operated upon at intervals during the past 20 years, but though good prospects have been found, they do not seem to have led to permanent results, as the place has been repeatedly abandoned. The present company, however, declare their resolve to give it a fair trial, and as they have the means, pecuniarily, of giving effect to this resolve, we may at last expect to see the question set at rest by them.

The sluicing companies have done well whilst the water supply lasted; but owing to the defective provision made for the conservation of water the resources of our surfacing hills can only be intermittingly developed.

The quarter's yields from the principal mines are as follow:—Reform, 2,830 ozs.; Trunk Lead, 1,522 ozs.; Racecourse, 1,505 ozs.; City of Canterbury, 541 ozs.; Smythesdale Consols (quartz), 61 ozs.

CRESWICK DIVISION.

Mr. James Stevenson, Mining Registrar.

I have the honor to report that there is a decrease in the average yield from quartz of over 1 dwt. per ton, but owing to the increased quantity of stone crushed the total yield has only slightly decreased.

The quantity of gold obtained from the alluvial is almost the same as in the previous quarter. I am glad to say that the New Australasian Company have commenced washing with very favorable results. None of the other progressive mines have yet bottomed.

The diamond drill is again at work on the claim of the Loughlin Company.

The yields of the principal mines, with dividends and royalty, are as follow, viz. :—

	Yields.			Dividends and Royalty.		
	oz.	dwt.	gr.	£	s.	d.
Ristori Freehold Company, Springhill	3,245	4	0	7,323	13	0
De Murska Freehold Company, Springhill ...	1,623	7	0	2,905	5	0
Dyke's Freehold Company, Springhill	1,097	12	0	807	3	6
Ryan's Junction Freehold Company, Springhill ...	905	7	0	1,246	12	0
New Australasian Company, Red Streak	608	7	0	...		
New Hit or Miss Company, Red Streak	108	7	16	...		
Homeward Bound Company, Bald Hills	70	0	0	...		
Port Phillip Company, Clunes	...			3,613	19	4
New North Clunes Company, Clunes	...			514	0	0
South Clunes Company, Clunes	...			2,000	0	0
Approximate yield of small claims	1,000	0	0	...		
	8,658	4	16	£18,410	12	10

The quantity of water used during the quarter was 97,557,000 gallons, at 1½d. per 1,000 gallons.

GORDON SUBDIVISION.

Mr. Thomas Cowan, Mining Surveyor and Registrar.

Alluvial Mining.

The Egerton Lead Prospecting Association, All Nations Gully, Egerton, have been engaged during the quarter in sinking their shaft, mentioned in my last report, and which bottomed at a depth of 106 feet. Washdirt was obtained at this depth, but no test made as to its value, as the shaft is being sunk to a greater depth before opening out. The number of men employed is three.

Three men have been engaged during the quarter prospecting at Parker's Gully, Gordon, but the results have not been of an encouraging nature, only 3 ozs. 2 dwts. 19 grs. of gold being obtained.

Quartz Mining.

Egerton.—Black Horse United Company.—During the past quarter the No. 9 level has been extended 181 feet, making the total distance from shaft 400 feet; it is still being pushed ahead. It was anticipated that the lode would have been cut ere this distance had been reached, and the fact of its not being struck is evidence that the slide met with in the upper levels has altered its course, throwing the lode more to the east. The winze referred to in my previous report was put down 30 feet in good stone, but had to be stopped on account of the flow of water increasing in proportion to the depth. Work cannot be resumed until the water is drained by cutting the slide in the No. 9 level. The immense body of stone operated on in the upper levels to keep the new battery at work was discovered to be of such a low average that at present only the smaller part of the lode is being taken, sufficient to keep 12 stamp-heads at work. When the No. 9 level reaches the lode and is properly opened up, it is anticipated that the greater portion of the battery will be kept at profitable work, the remainder being retained for prospecting the various parts of the mine as needs be. 7,356 tons of stone have been crushed, yielding 1,469 ozs. 16 dwts. of gold, or an average of 3 dwts. 23·9 grs. to the ton, and £1,000 paid in dividends. Number of men, 100.

The Egerton Company during the quarter have been engaged in further sinking their Sister Rose shaft, which is now a depth of 930 feet, and in raising stone from the quarry shaft at a depth of from 500 to 758 feet. 10,104 tons have been raised and crushed, which yielded 3,238 ozs. 3 dwts. 14 grs., or an average of 6 dwts. 9·83 grs. to the ton. Number of men, 190. £12,507 9s. have been paid in dividends during the quarter.

The South Learmonth and Egerton Amalgamated Company have been prospecting their ground at the 270-foot level. A cross-cut has been constructed to a distance of 77 feet, and at 51½ feet a lode about 1 foot in thickness was cut. A drive has been put in along the course of this lode to a distance of 141 feet, but the stone met with is not considered of a payable nature. Thirteen men are employed.

Various Chinese parties, consisting altogether of 38 men, are engaged washing the tailings from the Black Horse United and Egerton Companies' batteries. During the quarter 125 ozs. of gold have been obtained.

No work has been done by the Rose and Shamrock Company, Moorabool, during the quarter, but the machinery is still on the ground.

Gordon.—Parker's United Company.—The cross-cut at the 700-foot level, mentioned in my last report, was put in to the north-west, and at a distance of 54 feet from the shaft struck the lode. A drive was constructed to the north along the course of the lode for a distance of 52 feet, but the stone being poor in quality it was abandoned, and a drive constructed to the south, from where the lode was first struck. Better stone has been met with in this drive, and a trial crushing is now being raised. Sixty tons of quartz from the lode, where first struck, were crushed, which only yielded 17 ozs. 18 dwts. 18 grs., or an average of 5 dwts. 23·5 grs. to the ton. Number of men employed, 50.

The United Miners Company have abandoned their ground in consequence of the last stone crushed being very poor. Their machinery has been sold and removed from the ground. Two men, however, still occasionally prospect the ground.

Lal Lal Iron Company, Lal Lal.—No ore has been smelted during the quarter. About 30 tons have been raised, obtained from prospecting. Four men are employed.

STEIGLITZ SUBDIVISION.

Mr. D. Murphy, Mining Registrar.

There has been a decided improvement in quartz mining in this division during the quarter, some very payable reefs having been found in the Elaine portion, especially one (a new reef) discovered in Cleary's paddock, near the Elaine township, which yielded from a trial crushing of 21 tons the nice amount of 88 ozs. 8 dwts. Another very rich reef is also reported to have been found between Elaine and Mount Doran, by an old indefatigable prospector, named Mortimer; it is expected to yield between ten and twenty ounces to the ton. Some very good alluvial prospects have also beeen found at Bamganie, which is quite a new field. A company is in course of formation for the purpose of trying some of the numerous reefs also in the locality of Bamganie, which are said to be gold bearing. There is not much doing in Steiglitz at present, which is a pity, for, if there was only capital enough in the locality to prospect, it is the opinion of some of the oldest practical miners that very rich reefs would be discovered.

BLACKWOOD DIVISION AND BLUE MOUNTAIN SOUTH SUBDIVISION.

Mr. John F. Hansen, Mining Registrar.

Quartz Mining.

Mining, as a whole, in this division, continues in a very stagnant state. The only item of importance has been the striking, very recently, of splendid gold-bearing quartz in the Sultan lode, at the 400-foot level of Mounter Brothers' mine. The reef is the same on which the Sultan Company has so successfully operated for a long time back. The size of Mounter Brothers' claim is very limited, comprising only about 130 feet on the line of reefs; nevertheless the returns have proved very remunerative for the last twenty years. On the strength of this discovery, an application for a gold mining lease of the area lately held by the Sultana Company has been lodged at the warden's office.

The returns from the Sultan Company show that the mine is worked on a very profitable system to the shareholders; four dividends, each of 7s. 6d. per share, or a total amount of £3,750, have been declared during the quarter. At the 500-foot level, the Sultan Reef carries good gold in the lode, and in leaders 30 feet wide; this is the best section worked in the mine at present; the drives at the 800-foot level are not being pushed ahead, but stoping is being carried on between that and the 700-foot level. The sinking of the main shaft is being prosecuted with vigor, and prospecting is carried on in several parts of the mine.

Some excitement was manifested at Blakeville when it became known that specimens of gold-bearing quartz had been obtained in that locality from two separate reefs; one of the reefs is situated about 250 feet east of the Undaunted Reef, and the other seems to be in a line with Ashton's Reef, north of the old Flora McDonald claim. Nothing definite, however, has as yet been forthcoming.

The Morning Star Company's mine, which has been lying unworked for some time back, is now placed in the market, to be formed into a public company. The mine has only been worked to a depth of 75 feet (tunnel level); the heavy influx of water, however, makes it imperative that pumping machinery should be procured before sinking can be resumed. The mine, down to the level referred to above, has produced close upon 5,000 ozs. of gold; from these facts it may be well presumed that if the necessary capital for opening up the mine at a deeper level is available, remunerative results will be forthcoming.

Alluvial Mining.

Nothing of any importance to report has occurred that I am aware of.

No miners are employed in mining for metals or minerals other than gold.

The average quantity of water sold was ten sluice-heads, at 10s. per week per sluice-head.

The rainfall during the quarter has been as follows, viz.:—July, 2·80 ins.; August, 3·64 ins.; September, 3·60 ins.; total, 10·4 ins.

BALLAN SUBDIVISION.

Mr. John F. Hansen, Mining Registrar.

The late Ashton's freehold mine, now in the hands of Messrs. Mitchell, Randall, and Nivett, of Ballarat, has started operations again. A portable winding and pumping engine has been placed on the ground to pump the water out of the mine, after which it is intended to sink the shaft a further depth of 52 feet, or a total of 150 feet, when stoping will be commenced.

A quartz reef situated at the Upper Werribee, from which several years ago a trial crushing of 8 tons was taken to Daylesford, and operated upon at Freeman's battery, yielding 2 ozs. of gold per ton, has again been taken up. The reef is about 12 inches thick underlaying west, and is getting thicker as they go down.

The shaft for deep alluvium in the same locality is about 70 feet in depth, and wet; the claim has not been registered, but simply held under miner's right, and I have been unable to obtain any reliable information respecting the payable nature of the venture. The gold obtained from it seems to be sold at Daylesford.

No water is sold in this subdivision for mining purposes.

BEECHWORTH MINING DISTRICT.

BEECHWORTH DIVISION.

Mr. Alexander Alderdice, Mining Registrar.

Want of water for sluicing purposes still compels many claimholders to work only half time in this division, and the production of alluvial gold for the past quarter is the smallest yet recorded.

At Stony Creek a considerable quantity of washdirt has been raised, but cannot be washed through want of water. The Murmungee Company are making good headway with their tunnel at Bowman's Forest, and it is thought that they will meet with payable ground before the claim is reached. At the Gap a party of Chinese are making fair wages on the Government Lead, which had been abandoned.

At Eldorado nothing is doing, the McEvoy Company not having yet been re-formed. It is well known that a considerable extent of payable ground exists in this company's holding and the next claim to it (the Wellington), but that it is very costly to work.

The Rocky Mountain Sluicing Company's tunnel is almost finished, over 800 yards having been cut. The stone still continues hard, although it is close to where boring has been done in soft rock.

Quartz mining appears to be reviving, an impetus having been given to it by the finding of gold in payable quantities in several old and abandoned reefs, notably one at Stanley, known as the Shakspeare, which gave 2 ozs. 15 dwts. per ton for 43 tons. A second crushing is being made, which it is assumed will give over 2 ozs. per ton. The Marco Polo (formerly the Kingston), at Hurdle Flat, has also turned out well, although left as being too poor a few years back. The Wallaby Tribute continues to pay good profits, nearly 15 dwts. per ton having been got from 800 tons. The present tribute has only a short time to run, and, when finished, the proprietors intend to put a long tunnel into the mine, for the purpose of working it more economically.

At Myrtleford the Reform and Nil Desperandum reefs are still being worked, although the stone crushed during the past quarter has not paid well, a little over 6 dwts. per ton having only been obtained. Great excitement took place at Barwidgee in consequence of the find of a very rich reef on the Waterloo Hill, close to the Agamemnon and Waterloo reefs. The stone is exceedingly rich in appearance, but none has been crushed. The reef has not yet been traced for any great distance, only a second claim having been taken up on it. The locality has always been noted for rich reefs, although they do not continue to pay well for any great depth. This new one, the Lone Star, is supposed to be an offshoot from the Agamemnon Reef, which paid well for a long time, though not at present being worked.

YACKANDANDAH NORTH SUBDIVISION.

Mr. J. C. Forster, Mining Registrar.

There is no mining as yet carried on in this subdivision.

YACKANDANDAH SOUTH SUBDIVISION.

Mr. J. Smart, Mining Registrar.

In alluvial mining, through the scarcity of water in this division, several miners, European and Chinese, have been compelled to seek other employment, and many of those remaining cannot work more than four hours each day for the want of water.

Quartz Mining at Hillsborough.—The yield of gold is smaller than usual this quarter. I am in hopes it will improve. Two prospecting claims have been registered within the last few days.

At Sandy Creek there is a good prospect of a permanent quartz-reefing country opening up, as within the last month three new reefs have been discovered, showing good payable stone.

INDIGO DIVISION.

Mr. R. Arrowsmith, Mining Surveyor and Registrar.

Quartz mining has been somewhat dull during the quarter, no large parcels of stone having been crushed. The average yield, however, has been well maintained, owing to the splendid crushings from the Pass-by Reef. This claim is to be formed into a limited liability company, with a capital of £15,000, in shares of £1 each. Another company is also in course of formation, to work the Great Eastern Reef, at Rutherglen, with a similar capital. This claim has yielded something like £24,000 worth of gold to the present proprietors, although a depth of not more than 170 feet has been attained. A company is also in course of formation to test the deeper levels in the neighborhood of Chiltern; they have decided on the Robert Burns Reef as the scene of their operations. There can be little doubt, if capital be judiciously expended in exploring the extensive auriferous ranges in this locality, reefs of great value will ultimately be discovered, splendid returns having been obtained from time to time from little more than surface workings, while the ranges have evidently been the feeders of the several rich leads that have been successfully worked for many years.

There is nothing new to report in alluvial mining. The Chiltern Valley Mines Company, as usual, is yielding satisfactory returns; and the White Star Company, at Rutherglen, have bottomed their shaft, and the prospects are said to be satisfactory.

BUCKLAND DIVISION.

Mr. J. Darbyshire, Mining Surveyor and Registrar.

Mining affairs in this division have undergone but little alteration since last quarter. The yield of gold from quartz shows an increase of about 1,000 ozs., and from alluvial 100 ozs. The principal increase has been from old reefs taken up by young men, and found profitable after being abandoned in former years.

No account of any water having been sold for mining purposes.

ALEXANDRA SUBDIVISION.

Mr. A. B. Ainsworth, Mining Surveyor and Registrar.

There are indications of a slight revival in mining in this subdivision. A notable yield has been obtained from the Durham Gully dyke. One of the crushings from this same claim (Peter Mannoni's party) gave 44 ozs. 4 dwts. for 2 tons, equal to 22 ozs. 2 dwts. per ton. The whole yield for the quarter—to wit, 133 ozs.—is the result of two men's work under not advantageous circumstances, the mine not being as yet opened up. One of the blocks adjoining has been taken up by a Melbourne company, "The Hope of Richmond," who are about erecting drainage and crushing machinery, which may lead to the proper working of these veins. This line is in the same state as a hundred others in this division; the ground has been taken up, scratched, and abandoned. Some co-operative parties needing assistance, as they mostly do, from contributing shareholders, find it difficult to obtain any, and consequently are short-lived; the prospects obtained in very many veins through the district have been withal unusually high, and such as on other goldfields would have led to mining being prosecuted with enthusiasm and success.

The Mysterious, now Lady Normanby Company, appear to me to be within short reach of payable stone, judging from the quartz now in their drive. The rest of the Lucky line remains idle.

No mining save for gold is at present carried on in this subdivision, and I hear of no water being sold.

In alluvial mining I have nothing new to report.

DRY CREEK SUBDIVISION.

Mr. Jonathan Pemberton, Mining Registrar.

Prospecting is greatly increasing. Some good results having been obtained, several large leases are applied for on a line of country running east and west with the same strata as those being worked by Mr. R. G. Meade. The Perseverance Company are crushing. Messrs. Maddock and Co. still driving tunnel. Alluvial mining about the same as when I last reported.

GAFFNEY'S CREEK SUBDIVISION.

Mr. A. B. Ainsworth, Mining Surveyor and Registrar.

Mining in this subdivision shows its usual briskness. The return from the Wallaby Reef tribute is excellent, yielding nearly 16 dwts. to the ton. The tributers have moreover 523 ozs. of amalgam from the plates, and will wash up about the 5th instant. The A1 mine is let once more to another tribute party, composed mainly of the old elements. The Lauraville has passed into other hands, and a tribute party has been formed to work it. The Great Company are still prospecting, and have lately obtained a few ounces, which will appear in next quarter's return, the Eastern particulars not having yet reached me.

The Golden Belt is still idle. In the Danabrog, what appears to be payable quartz has been obtained in the eastern wall of the tunnel. Dempsey's claim tributers have put through their battery about 100 tons, but will not wash up for some time. The Hunts' and Victoria mines are still being prospected; and the Eldorado, lately forfeited, is now in the hands of Maxwell and partner, who are prospecting likewise. I trust next quarter to forward even higher returns than the present, the appearances being unusually cheering.

No miners save those working for gold are in this subdivision.

Water is abundant, but I hear of none being sold.

The alluvial miners have obtained quite up to their average during the past quarter.

WOOD'S POINT SUBDIVISION.

Mr. A. B. Ainsworth, Mining Surveyor and Registrar.

The alluvial miners have done moderately well during the past quarter, averaging about 27s. per week.

At the Mountaineer's, Black River, fair prospects seem likely to be obtained. Messrs. Mulholland and party are preparing to erect machinery. At the Leviathan, Messrs. Knopp and Mayall are breaking down stone of the usual quality; and Messrs. Thorpe and party are prospecting a very promising vein they struck lately.

The Morning Star Hill, at Wood's Point, is only being worked on the left branch, in the prospectors' mine; the yields therefrom have been about payable.

The tributers at the All Nations, after shifting the company's machine, were compelled by the poverty of the yields obtained to abandon their tribute; they had relied on some mullock heaps of old extraction repaying crushing, which they did not. The yield was nominal, and has not been furnished to me.

The North Waverley Company (Messrs. Stackpoole and Co.) continue to obtain payable crushings.

The Lady Franklin tributers have only had one washing up, barely payable; they wash up again to-morrow, 2nd October.

The Lady Don is being prospected once more, and very good prospects, equal to 1 oz to the ton, have been obtained in a patch above the main drive. They will probably have a trial crushing shortly.

The Sir John Franklin Company's tributers have not had such high yields quite lately, still they continue to hold their position as against any other mine in the division.

I trust to forward much higher returns next quarter.

No metals save gold are being worked for.

No water is being sold; it is abundant.

BIG RIVER SUBDIVISION.

Mr. A. B. Ainsworth, Mining Surveyor and Registrar.

There is a slight improvement in the yields of both quartz and alluvial workings for the quarter.

The Londonderry tributers are progressing steadily, and continue to obtain very payable results. Their average is higher for the present quarter than for the last.

The Luck's All tributers are on a fine vein of stone, and are likely to have excellent crushings for some time to come. Their machinery is being repaired, and an amalgamating barrel is being fixed for blanketings.

These two are the only quartz mines now working, but there is a slight stir through the locality, which may eventuate in further mines being opened up.

No metal or mineral save gold is being worked for in this locality.

Water is abundant, and I hear of none now being sold. When sold, price is 4s. 6d. per sluice-head per week.

MITTA MITTA NORTH SUBDIVISION.

Mr. J. C. Forster, Mining Registrar.

The mining interest has in this portion of the district been in a very depressed condition during the past quarter. Nothing has occurred worthy of special comment except at Cotton Tree, where a few claims are paying from 5 to 3 pounds per week.

MITTA MITTA SOUTH SUBDIVISION.

Mr. D. H. Gilmore, Mining Registrar.

Alluvial.

The only news of importance is the new rush to Wheeler's Creek, near the Sassafras, which I mentioned in my last report. The prospectors informed me a fortnight ago that only one other claim beside theirs was yielding payable gold; the other claimholders were busy making flood and tail-races.

Quartz.

Most of the reefs here have been tried at last, and, with one or two exceptions, have proved very poor indeed so far, as you will see by attached returns.

The second crushing from the Christmas Reef was an improvement on the first. The Welcome Reef also gets better as they go down; the gold from this reef is very inferior, only realizing £2 10s. per oz. A trial crushing from the Pony Reef is now going through the mill; it is looking much better than any previous crushing.

The last returns from the Yellow Girl and the Christmas Reefs show the only payable yields at the Junction.

The Empress and Richards Brothers, at Granite Flat, were payable; but the quartz in the latter claim has run out.

There are some other claims at Granite Flat that are thought payable, as the country is very soft.

The battery at Granite Flat, and also the one at the Junction, have been idle part of their time for want of carters.

JAMIESON SUBDIVISION.

Mr. W. H. Edwards, Mining Registrar.

The Sailor Bill's Company washed up last week, and the result proving very satisfactorily to the shareholders, the mine will now be worked by wages men.

The Try Again Company, Swampy Creek.—This reef has been taken up by a co-operative company, and during the past month a tunnel has been driven 48 feet, at which distance the reef has been met with, averaging from 8 inches to 1 foot in thickness. The company have also risen 9 feet on the reef, which shows a little gold in the stone.

The Venture Company are still breaking stone and sinking a shaft in No. 2 level, where a little gold is to be seen in the stone.

The Alabama mine has been again taken up, two men being busily employed in prospecting. A small leader has been found carrying gold.

I have not heard of any water being sold for mining purposes.

SANDHURST MINING DISTRICT.

SANDHURST DIVISION.

Mr. N. G. Stephens, Mining Registrar.

During the past three months a greater quantity of quartz has been crushed, but the average yield is not so good as that of last quarter.

From the subjoined tabular statement it will be seen that very good yields have been obtained from quartz obtained at from 800 to 1,000 feet in depth.

New finds in old mines on the principal lines of reef have been numerous, and some of them have proved valuable.

It is generally believed that, were the mines thoroughly prospected by means of crosscuts driven by the aid of speedy rock-borers, the finding of payable reefs would be of more frequent occurrence.

A few rock-borers are in use here, at a saving of from 20 to 25 per cent. in cost of crosscutting and sinking.

Mining prospects have improved during the past quarter, but unfortunately a strike of miners is immediately expected, which will probably seriously affect all concerned in mining.

About three weeks since the tributers in the St. Mungo Company's lease struck a very rich leader at 60 feet from the surface, the first ton of which yielded 256 ozs. of gold. The stone continues exceedingly rich.

About the same time a nugget of gold weighing 38 ozs. was found in the Whipstick 6 inches below the surface.

At the present time it is rumored that a rich quartz reef has been discovered about 4½ miles east of the forest ranger's residence in the Kamarooka and Egerton State forest.

The quantity of water sold during the quarter for mining purposes was—For crushing, &c., 15,680,000 gallons; for sluicing, 86,660,000 gallons; total, 102,340,000 gallons.

Further particulars respecting some of the Quartz, &c., crushed during the past quarter, and included in the tables prefixed to these reports:—

Name of Company.	Where Quartz, &c., were obtained.	Quantity crushed.	Total Yield of Gold.	Average Yield of Gold per Ton.	Depth at which Quartz was obtained.	Water-level.	Width of Reef, &c.
		tons.	oz. dwt. gr.	oz. dwt. gr.		feet.	
Garden Gully United ..	Garden Gully Reef ..	4,443	4,670 8 0	1 1 0·56	500 to 760 feet ..	..	From 2 feet to 12 feet. New and extensive winding machinery being erected over No. 3 shaft
Great Southern	Garden Gully Reef ..	3,323	977 14 0	0 5 21·22	260 to 340 feet ..	..	From 1 foot to 20 feet
Old-chum	New-chum Reef ..	1,510	1,804 19 0	1 3 21·75	960 to 1,037 feet ..	..	18 inches
Lazarus	New-chum Reef ..	2,208	1,214 15 0	0 11 0·07	860 to 940 feet ..	140	From 1 foot to 35 feet. At a distance of 129 feet east of the engine-shaft discovered the west leg of a new formation of quartz, at a depth of 1,000 feet
North Old-chum ..	New-chum Reef ..	910	472 11 0	0 10 9·25	300 to 1,000 feet ..	..	From 1 to 6 feet. Have commenced to sink the shaft another 100 feet from present depth, 1,180 feet
Shamrock	New-chum Reef ..	1,840	920 13 12	0 10 0·17	571 feet	..	About 2 feet
Lazarus No. 1	New-chum Reef ..	1,302	462 1 0	0 7 2·34	800 to 900 feet ..	140	Average 10 feet. Discovered a permanent-looking west leg of a new formation at the 1,000-foot level, 129 feet east of the engine-shaft
Victoria Reef	Victoria Reef ..	4,330	1,767 3 0	0 8 3·89	300 to 976 feet ..	..	6 inches to 40 feet
Victoria Consols	Victoria Reef ..	1,332	198 5 15	0 2 23·45	524 and 844 feet ..	..	Irregular
New-chum and Victoria ..	Victoria Reef ..	4,967	2,072 9 0	0 8 8·27	Various	..	Various
Hercules and Energetic ..	Victoria Reef ..	3,994	1,098 11 0	0 5 12·02	420 to 1,200 feet ..	..	Various
South Devonshire ..	Devonshire Reef ..	58	99 1 0	1 14 3·72	140 feet	..	About 2 feet
South Catherine	Catherine Reef ..	593	279 6 0	0 9 10·07	.. .. ..	..	12 feet
Central Catherine ..	Catherine Reef ..	1,446	489 8 0	0 6 18·45	520, 640, and 700 feet	180	From 1 foot to 3 feet
Catherine Reef United ..	Catherine Reef ..	3,196	920 11 6	0 5 18·25	Surface to 827 feet	130	Small veins
North Johnson's ..	Johnson's Reef ..	1,685	1,214 16 23	0 14 10·06	100 to 400 feet ..	..	From 1 foot to 6 feet
Rose of Denmark ..	Johnson's Reef ..	530	165 17 0	0 6 3·69	Various	..	Various
Johnson's Reef	Johnson's Reef ..	6,338	1,308 1 12	0 4 3·06	200 to 680 feet ..	..	Various
Great Northern	Johnson's Reef ..	997	308 7 0	0 6 4·45	510 and 570 feet		
Belts and Walker ..	Perseverance Reef ..	404	338 16 12	0 16 18·56	Between 70 & 300 ft.	97	Spurs varying from 2 inches to 1 foot
Great Extended Hustler's	Hustler's Reef ..	1,864	774 15 0	0 8 7·50	400 and 800 feet ..	109	From 3 inches to 10 inches at 400 ft.
Great Extended Hustler's Tribute	Hustler's Reef ..	53	15 10 0	0 5 20·37	Near the surface		
Great Britain	Alfred Reef.. ..	1,091	385 7 0	0 7 1·54	225 feet	86	Spurs
New Moon	Moon Reef	542	200 12 21	0 7 15·00	Surface to 360 feet	110	Small spurs from 1 inch to 12 inches
PYRITES.							
Shenandoah	New-chum Reef ..	15	22 7 0	1 9 19·2			
Old Chum	New-chum Reef ..	34	89 3 0	2 12 10·58			

NOTE.—The above figures are not to be added to those in the tables prefixed to these reports. They are already massed and included in the tables.

KILMORE DIVISION.

Mr. James W. Osborn, Mining Registrar.

During the past quarter considerable activity has been shown in quartz mining. The Crown (now crushing) is still on first-class stone, and although the last three months does not show so well for the Doyle's, their prospect is very good. Since last report several new reefs have been opened, one especially. The Golden Crown had a trial crushing of 13 tons, which yielded 19½ ozs.; about 30 tons are again at grass, and the reef being nearly 2 feet thick, stone can soon be obtained in quantity. The L. L. Company, Strath Creek, are driving on a very rich leader, which is widening. At the Saddle Reef, Milne and party are driving a tunnel to catch the run of the Crown Company's stone. The St. Ann's Company are driving a tunnel, and have crossed two gold-bearing leaders; the manager expects soon to strike a reef. The Shepherds Reef Company have struck a heavy body of water, but are now raising quartz from a higher level. The machinery at the Kilmore diggings made a start about a fortnight since, but the result from the material put through after cleaning up last Saturday was not very satisfactory.

Other mines not yet proved payable are progressing. Alluvial workings are confined to Chinese and a few Europeans, who earn bare wages. Creeks just beginning to run after being nearly dry all winter. No water sold in this division. No metal but gold is now being sought for.

HEATHCOTE DIVISION AND WARANGA SOUTH SUBDIVISION.

Mr. E. C. Bell, Mining Registrar.

The principal mines in this district have been doing dead work during the past quarter. No improvement in alluvial mining has taken place during the same period. Hedley's Hydraulic Sluicing Claim Company is in full work at present, but, owing to the scarcity of water hitherto, operations have been retarded; but, in the event of a more favorable season, this claim will be a means of developing the old workings of McIvor. The Royal Crown Company, at Long Gully, have been engaged sinking a new shaft to catch the lode which the original proprietors abandoned at the 280-foot level in consequence of excess of water. The present company have been pumping and sinking two years last August, and the capital of the company has been augmented twice during that period. Still the shareholders have every confidence for the future.

No water sold.

WARANGA NORTH SUBDIVISION.

Mr. Henry Hicks, Mining Registrar.

Alluvial Mining.—No great success has attended the efforts of the miners in the above class. A rush at Whroo, previously reported by me, is now, with the exception of five claims, abandoned. Prospecting is active in various parts of the subdivision.

Quartz Mining.—With the exception of one or two claims, the crushings during the quarter have been very poor, and the present prospects are not encouraging.

Antimony.—No work during the quarter.

MARYBOROUGH MINING DISTRICT.

MARYBOROUGH DIVISION.

Mr. P. Virtue, jun., Mining Registrar.

Alluvial Mining.

Concerning the alluvial mines in this division, nothing of special importance has occurred during the quarter. They are progressing in the usual manner. Unfortunately the stoppage of the Duke still continues, and is likely to continue for a good many months to come. But active preparations are now being made by the proprietors to place another lift of pumps in the mine.

Three prospecting and one extended claim were registered during the quarter. The prospecting claims are all situate in the neighborhood of Adelaide Lead. The Prince William claim, at Slaughteryard Flat, registered by William T. Hall, gave a prospect of 1 dwt. to the dish. Depth of sinking, 35 feet; width of gutter, 4 feet. The Shetland claim at Moonlight Flat, registered by David Nicholson, gave a prospect of 9 dwts. to the load of coarse heavy gold, one piece weighing 7 dwts. Depth, 9 feet; gutter 15 feet wide. The adjoining claims on either side are yielding payable gold. The extended claim, registered by Messrs. Grose and Pierce, has an area of 3 acres, and forms a portion of the old Band of Hope lease.

The Royal Dane Company, Lower Alma, have been engaged in sinking a new shaft. They are now taking out washdirt. The Count Bismarck have let their mine on tribute.

The mines at Carisbrook are slowly progressing. The Goldbrook and Woolbrook have yielded fair returns. The Young Phœnix Company have found the water so heavy that they will be compelled to erect steam machinery. They hope shortly to be in payable washdirt.

The following is a statement of the gold obtained from the principal alluvial mines in this division during the quarter:—

	oz.	dwt.	gr.
Count Bismarck, Lower Alma	572	1	0
Woolbrook, Carisbrook	887	18	0
Goldbrook, Carisbrook	93	13	9
Seaham, Alma	70	10	0
Argus, Alma	70	0	0
Royal Dane, Lower Alma	32	19	15
	1,727	2	0

No dividends have been paid during the quarter.

QUARTZ MINING.

The plant and property of the Queen Victoria Company, at Mariners' Reef, have again changed hands. They are now owned by Mr. George Godfrey, solicitor, Melbourne. The men employed in the mine are driving, and a sufficient quantity of stone for a crushing will soon be obtained. The Bristol Hill Company are still actively engaged in developing their mine. Twelve men are engaged in sinking the main shaft. The crosscut at 600 feet is now being driven by six men, and the crosscut at 500 feet is also being driven by six men, for the purpose of cutting the eastern reef. During the quarter the company crushed 883 tons of quartz for 163 ozs., and they treated 13 tons of pyrites for 31 ozs. 18 dwts. 12 grs. The Leviathan Reef is turning out well. From 352 tons a yield of 222 ozs. 10 dwts. was obtained by Messrs. Wardley and party.

One extended, one co-operative, seven ordinary, and five prospecting claims were registered during the quarter. These claims are situate at Craigie, Mosquito, Donkey Gully, Adelaide Lead, Havelock, and Chinaman's Flat. The prospects obtained from them averaged from 5 dwts. to 1 oz. per ton.

MAJORCA SUBDIVISION.

Mr. P. Virtue, jun., Mining Registrar.

Mining enterprise at Majorca is clearly in the ascendant, and the prospects of this subdivision are now brighter than they have been for several years. Two extended claims, containing an aggregate area of 38 acres, were registered during the quarter. A splendid nugget of pure gold, weighing over 93 ozs., was discovered at Garden Flat by Messrs. Rowe and Mulligan on the 24th July. A cast of it was procured and forwarded to the Mining Department. The yield of gold from Forbes' Freehold during the quarter was 15 ozs., and the yield from the Perseverance was 101 ozs. 6 dwts.

The New Kong Meng Company have successfully floated their venture. I regard their property as being a very valuable one. The ground covered by their lease has already been proved to be very rich, and there is no question but that the company, with prudent management, have an exceedingly prosperous career before them.

AMHERST DIVISION.

Mr. Joseph Smith, Mining Registrar.

ALLUVIAL MINING.

The Union Gold Mining Company, Mount Greenock, produced during the quarter 753 ozs. of gold, but it was sold in Ballarat, therefore the bank in Talbot does not get the credit. The Mount Greenock Extended Claim is progressing fast with the clearing of the shaft and the erection of steam machinery.

QUARTZ MINING.

The want of water has been a great drawback to the proper development of the mines.

The Union Quartz Mining Company, Church Hill, has had a crushing of 86 tons for a yield of 260 ozs. 5 dwts. of gold, which is an average of a little over 3 ozs. per ton.

The remaining reefs in the division do not come up to the average.

The amount received for water sold for mining purposes was £15 5s. 6d.

AVOCA SUBDIVISION.

Mr. D. O'Leary, Mining Surveyor and Registrar.

In both alluvial and quartz mining there has been during the quarter a considerable change for the better. At the small rush close to Moonambel there is a population of about 150, and the claims being worked have furnished payable yields. Homebush, however, is the principal goldfield; there the Working Miners claim for the last three months turned out 5,760 tons of washdirt, realizing 2,323 ozs. Now that the Homebush lead is well defined, and as there is no longer any doubt as to its rich character, five additional new leases, comprising an area of about 1,000 acres, have been applied for. A valuable plant has been erected on the ground of the Homebush Company, and the sinking of the main shaft is being actively carried out. The fortunate shareholders in the Working Miners have during the quarter received £3,450 in dividends.

No water has been sold for mining purposes during the quarter.

REDBANK SUBDIVISION.

Mr. D. O'Leary, Mining Surveyor and Registrar.

In this subdivision mining has been brisker than has been the case for some time, Tormey's Reef, at Moonambel, producing the excellent yield of 52 ozs. 16 dwts. from 22 tons of stone. At the alluvial rush in this locality very favorable prospects have been obtained, and a considerable number of miners are employed raising washdirt which is expected to furnish very good returns.

No water has been sold for mining purposes during the quarter.

DUNOLLY AND TARNAGULLA DIVISIONS.

Mr. W. G. Couchman, Mining Surveyor and Registrar.

Quartz mining in this district has made very favorable progress during the last quarter. Some new companies have commenced active operations, and more ground has been taken up under the gold mining leasing regulations and the district bye-laws.

Queen's Birthday Company have crushed during the last quarter 3,701 tons of quartz, which yielded 2,223 ozs. 0 dwts. 8 grs. of gold, or an average of 12 dwts. 0·31 grs. per ton, which stone was taken principally from Nos. 3 and 4 levels. This is the lowest average yield obtained from the mine for more than two years past. The heavy work in connection with No. 5 level is being pushed on rapidly. The main shaft is sunk to a depth of 534 feet from the surface, and a plat opened out at 528 feet. The chamber is cut and levels started on the course of the lode both north and south of the shaft, and gold is frequently seen in the stone. The reef to the north 30 feet from the shaft is 6 feet wide, and south about the same distance it is 3 feet wide. A western cross-cut has been driven about 79 feet, when quartz was met with, but the workings at this point have been discontinued. Four new batteries of five head each are near completion, and will soon be available for crushing stone raised from the new shaft.

King's Birthday Company are still sinking their main shaft, and are down 330 feet from the surface, and are opening a chamber preparatory to cross-cutting for the reef at that level.

Royal Birthday Company have suspended operations for the present.

North Birthday Company are cross-cutting for the reef at the 262-foot level, and are now in 90 feet from the shaft (west), where soft slate country has been met with, intersected with quartz leaders. The quantity of water is fast increasing, which indicates the proximity of a strong lode. The shaft is still being sunk deeper.

This Company has about 400 tons of stone raised for crushing as soon as machinery is available. They are breaking out quartz from the No. 3 level. The reef still continues very regular in its course, and has been driven 883 feet north of the Queen's Birthday Company's most northern shaft, which they now have the use of, as well as the pumping, winding, and crushing plants which originally belonged to the Goldsborough Gold Mining Company, now extinct. The lode is heavily charged with pyrites and galena, and gold is frequently seen in the solid stone.

Hard Hill Gold Mining Company have three faces put in to the cement on the hill, and about 200 tons of stuff stacked and ready for crushing. The new shaft on the Canton Reef (which traverses the company's ground) has been timbered up and prepared for the reception of pumps and winding gear. Their machinery is now complete, consisting of one 13-in. cylinder engine, 2 Cornish flue boilers, and two batteries of stamps, each containing 5 heads, with all modern appliances.

Queen's Reef Company, Moliagul, have been principally engaged stoping stone from the western lode, which on being crushed did not prove payable. The 130-foot level has been continued along the course of the lode about 100 feet, the prospects from which are not very promising up to the present. A cross-cut 230 feet south of the engine shaft has been driven 46 feet east from the western reef, and only leaders met with so far. The machinery is in good working condition.

Harrop and Lees have taken up a lease of about 4 acres of ground at Munster Gully, one mile east of Dunolly, and opened out on stone about 40 feet from the surface, where they took from a small leader a bucketfull of stone, which yielded 26 ozs. of gold. Their prospects still continue equally good.

Welcome Reef Company have their machinery now completed, and are engaged pumping the water out of the mine preparatory to a start.

Sydenham Company have their pumping, winding, and crushing plants completed, and are engaged in the mine driving main levels at 200 feet, both north and south of the shaft, and stoping up the backs from that level 70 feet. The shareholders are very sanguine about the mine turning out well; everything in connection with it is in good working order.

Kentish Reef Company have had a crushing of 48 tons of stone taken from their mine, which yielded an average of 6½ dwts. of gold per ton. Driving to the north along the course of the lode is beng carried on.

Windmill Hill Reef, near Dunolly.—A party of Beechworth men have taken up a large area of ground on this line of reef with the intention of floating a company, which, doubtless, will prove a payable venture if properly worked, judging from the quantity of gold reported to have been obtained from the surface to the water level, at which point it was abandoned some years since in consequence of the want of efficient machinery to keep down the water, and the high prices charged for carting and crushing the stone.

Alluvial Mining.

The Burnt Creek Tribute Company are pumping the water out of the mine, and will soon be prepared to break down washdirt. The prospects of this company are reported to be very good. The Red Streak rush near Dunolly is now worked out, and there is nothing further of importance to report in this class of mining.

Tarnagulla Division.

The Yorkshire Company have been engaged raising and crushing stone from their mine. The lode is about 8 feet wide, and has proved payable; a dividend of 6d. per 24,000th share has been declared. Two new companies are being floated to work ground held under lease both north and south of the Yorkshire Company's holding, and have started sinking shafts.

Poverty Reef Company are still idle. A large area of ground has been taken up, both under lease and the district bye-laws, south and south-west of this line of reef, and active operations will shortly commence.

No water sold during the quarter for mining purposes.

INGLEWOOD DIVISION.

Mr. W. H. Coffey, Mining Registrar.

During the quarter the Jersey Reef Company have obtained some very fine specimens, their last crushing yielding over an ounce to the ton from the quartz obtained from No. 2 shaft.

The district generally appears to be improving.

WEDDERBURN DIVISION.

Mr. John Reach, Mining Registrar.

There is a great improvement in alluvial mining in this division, the quantity of gold obtained being nearly double that for last quarter. Several nuggets have been unearthed, principally in the neighborhood of the Woolshed, the largest being 19 ozs. 7 dwts. A prospecting claim was registered by Jas. Ogilvie, on the 30th, in the Woolshed neighborhood, about eleven miles north-west from Wedderburn; the sinking is about 10 feet; the prospect, 2 dwts. to the tub.

The rush to the Nine-mile has not turned out so well as was anticipated; numbers have left; the remainder are, as far as I can learn, generally satisfied, some of them making good wages.

There is a great scarcity of water for mining purposes throughout the division.

ST. ARNAUD SOUTH SUBDIVISION.

Mr. W. G. Couchman, Mining Surveyor and Registrar.

Mining operations in this subdivision during the last quarter have been particularly inactive. Nothing of importance has occurred either in quartz or alluvial mining.

ST. ARNAUD NORTH SUBDIVISION.

Mr. W. G. Couchman, Mining Surveyor and Registrar.

In this subdivision quartz mining has been in a very depressed state during the last quarter. The Working Miners mine is the only one from which payable quartz has been obtained. Seven hundred tons of stone taken from the 200 and 260-foot levels gave an average yield of 7 dwts. 2·68 grs. of gold per ton.

In alluvial mining there is nothing significant to report.

CASTLEMAINE MINING DISTRICT.

CASTLEMAINE DIVISION.

Mr. T. L. Brown, Mining Surveyor and Registrar.

I have the honor to report a slight increase in the number of miners in both quartz and alluvial workings. Although the yields have generally been small, the prospects are more assuring, and employment is likely to be given to a larger number of miners.

The extension of races from the Coliban Water Supply gives much satisfaction. An immense area of old alluvial workings, as also large tracts of surface-hills up to the quartz outcrops, will be available for sluicing.

The quantity of water sold during the quarter was 177,246,000 gallons, at ½d. per 1,000 ; 750,000 gallons, at 4d. per 1,000 ; 240,000 gallons, at 2d. per 1,000.

FRYER'S CREEK DIVISION.

Mr. Mark Amos, Mining Surveyor and Registrar.

Alluvial Mining.

In this branch of mining there is nothing to report of any special interest. Considerable activity prevails amongst some of the puddlers and sluicers, and, so far as can be ascertained, the returns are not unsatisfactory.

Quartz Mining.

New Era Company.—The manager of this company furnishes interesting details of mining operations for the past quarter, 6,310 tons of quartz having been reduced, the result being an average of nearly 3¼ dwts. to the ton, which gives good dividends to the shareholders. At the deepest cross-cut, viz., 500 feet, a leader 4 feet thick has been cut with gold visible in the stone, at a distance of 20 feet west from the shaft ; this cross-cut has been continued a distance of 110 feet. The total depth of the main shaft is now 514 feet, and the general prospects at the different levels are very satisfactory.

Renaissance Company, Specimen Hill.—The water wheel alluded to in my last report has been placed in position, and it is expected to start in a few days; in the meantime the battery of 20 heads is being worked by steam power, so that it may be stated active operations have commenced. A vast quantity of stone can be easily obtained, and can be made to pay by cheap crushing. The success of this company will materially influence the future prospecting and development of the large extent of auriferous ground lying to the south and connecting with the Anglo-Australian and New Era Companies' works.

Rowe Brothers, Cattle's Reef, have realized good returns of late, keeping well up to their usual average. In their Ferron's Reef lease, prospects are improving as compared with previous quarters.

Duke of Cornwall —The manager reports no great improvement in the general yield of gold, but underground operations are being prosecuted with vigor, and levels have been driven north and south, 200 and 265 feet respectively.

Black Hawk Company.—The old company having collapsed, and the lease having been forfeited, a new party is being organized under the management of Mr. Tolstrup, whose successful supervision in other directions will inspire confidence in the new directory. The works are now at a standstill, but a fresh start will be made in two or three weeks.

The Burdett Coutts Company.—The returns up to the present time are not very great, but the ground underneath shows favorable indications, sufficient to encourage the manager to extend his researches with the view of ultimately striking a well-defined and payable reef.

The Perseverance Company have been moderately successful at the 180-foot level, the yield being 4 dwts. to the ton.

Small and Company.—The ground is being worked by tributers, but hitherto their efforts have not been so successful as might be desired ; one of the tribute parties are raising stone which shows gold, and promises a fair crushing. The position of this claim is such as to justify the assumption that the main Cattle's lode exists at a considerable depth beyond the present workings and to the westward of the engine shaft.

General Views.—On the whole there is no particular cause for despondency touching the progressive character of quartz mining in this division; at the same time there is room for the employment of more labor and the investment of more capital. The exploration and opening out of the deep ground in presumed favorable situations are attracting considerable attention at the present time, which are very essential to the discovery of permanent and well-defined lodes at great depths. There appears to be little diversity of opinion in this district as to the mode of testing the ground or little doubt as to parties being repaid for sinking deep shafts and cross-cutting at certain depths. Many persons interested in mining seem to lose sight of the fact that extensive tracts of country exist, where thousands of tons of quartz can be easily raised at depths from 50 to 100 feet without the aid of machinery. Many private parties engaged in quartz mining have their energies cramped through want of means ; this, however, might be partly remedied by adopting the co-operative principle on a larger scale and proper basis, without having recourse to expensive management and the employment of elaborate machinery. In many cases claims could be secured with an unlimited supply of quartz, at from 2 to 3 dwts. to the ton ; consequently with a small inexpensive crushing plant, the parties of miners would be ensured moderate wages for the time being, and being buoyed up with the hope of improved prospects, important discoveries might result.

The total number of tons of quartz crushed is 9,591 tons, averaging 4 dwts. to the ton.

HEPBURN DIVISION.

Mr. Thomas Hale, Mining Registrar.

Many sluicing parties await the washing up of large heaps of washdirt, not altogether for want of water, but because a custom exists of allowing such work to stand till the termination of the rainy or wet season in November.

Mining generally, during the quarter, has been very slack, and there is not much worth noting.

The Specimen Hill Quartz Company are idle, and the reorganization of the company is being proceeded with.

The Argus Quartz Company have pumped out the water down to the 573-foot level, and are clearing out the lower drives. They are working by means of tribute parties. Morgan and party are working on Collier's Reef, at the 40-foot level by means of a shaft some 300 yards south of the main shaft.

The Cornish Quartz Company are working in the various shallow shafts on their claim.

The Ajax Quartz Company are getting gold ; 45 men are at work mostly on tribute.

The quantity of water sold during the quarter has been from 30 to 35 sluice-heads, at 15s. per eight-hour shift per week, but many race owners have shares in the claims.

TARADALE AND KYNETON SUBDIVISION.

Mr. Stephen Dorman, Mining Registrar.

Mining matters in this division during the past quarter have slightly improved. The yield of gold shows an increase over the past quarter of 170 ozs., chiefly obtained from deep alluvial mines. I report, also, that several claims have been taken up on the line of reef at Barfold Ranges. Gold has been obtained, and can be seen in the stone. The success of the Good Friday claim has been the cause of a large portion of the Pemberley estate being taken up, and a company formed to work the same. In shallow workings nothing worthy of note has transpired. At Lauriston and Glenlyon very few miners are working, the ground being too poor to obtain even small wages, consequently the place is almost entirely abandoned. The same may be said of the shallow workings at Taradale and Liberty Flat.

TARRANGOWER DIVISION.

Mr. Robert Nankivell. Mining Surveyor and Registrar.

QUARTZ MINING.

The past quarter shows an increase of 466 ozs. of gold over the previous quarter; the last crushing from Locke and Company's claim on Irish Billy's Reef gave 256 ozs. 14 dwts. from 33 tons of stone; there is another crushing now on hand, which, to all appearance, is likely to yield 10 ozs. per ton. Twelve other claims have been taken up, but there is only one beside Locke's getting gold. This line of reef is an extension of Old Irish Billy's, which was profitably worked many years ago; it was taken out to a depth of 90 feet, and some of the stone gave 12 ozs. per ton.

The German Reef Tribute claim is still doing well; one lot of stone of 40 tons yielded 238 ozs. 12 dwts., and the stone now being taken out promises to be as good. The reef is well defined, and likely to continue.

The South German Reef Tribute Company have been getting some good stone. One crushing of 21 tons gave 69 ozs. 9 dwts. of gold, but the golden portion of the reef is only about 1 foot wide, and the water troublesome. On the whole, our quartz mines have a better appearance than they have done for some years past. The Eaglehawk Union Company are still sinking their engine shaft; the present depth of the mine is 1,200 feet, 200 feet below the last cross-cut. The rock-borer and compressed air winch are answering well; about 16 feet a fortnight are being sunk through rock of the worst kind, with the water troublesome.

The Prince of Wales Company, on the Excelsior Reef, have just completed the erection of their plant, consisting of a steam-engine for pumping, and a battery of stampers. The manager is confident that, with a battery on the ground, he will make the mine pay.

The Welshman's Reef Company are also erecting a plant on their mine, and will be ready to start in about a fortnight.

The new reef, known as Target Gully Reef, on the north-east side of Mount Tarrangower, is being worked with varied success; two of the claims are getting payable stone, and two or three others have gold, but not as yet in payable quantities.

In alluvial mining there is no change since my last report.

ST. ANDREW'S DIVISION.

Mr. Alfred Armstrong, Mining Surveyor and Registrar.

Nearly all the work in claims at present held under lease has been suspended during the quarter, which has caused very great depression throughout this district. The Progress Company at Panton Hill, which employed a considerable number of men, has not proved a success, the yield of gold being too small from so thin a vein of quartz. Work at the Scotchman's and Pig Tail Reefs, Warrandyte, has been suspended from the same cause.

In the Upper Yarra district at Reefton, the Reefton Company, under the management of Mr. Porter, have now only completed their lower level tunnel, and their gold returns are merely from the stone obtained in driving. The reef having been cut in very good stone, the prospects of the company are considered satisfactory. Near the junction of Wombat and Hoddle's creeks, a prospecting claim has been applied for on a new reef, called the "Bonanza," and also another on a reef near the old township. Loose wash from the Bonanza has yielded half an ounce of gold to the dish.

There are indications of increased activity in alluvial mining. The Warburton Hydraulic Sluicing Company has been again revived, and is in full operation; and at the Britannia Creek, a new company has been formed to re-work the old ground. This company will open up ground which could not be bottomed in former years owing to the quantity of water, which it is now intended to drain by removing by blasting operations a large bar of reef known as the Britannia Falls, and applying the hose to the ground thus rendered available. Messrs. Wildman and party, at Hoddle's Creek, have also found good payable wash.

The antimony mines at Ringwood are in a very depressed state, and unless invigorated by increased expenditure will be shortly suspended.

At Kilcunda a new company has been formed to lay down rails and bring in the coal to Griffith's Point. The coal is of such excellent quantity that it commands a ready sale; and although the seam is thin, it is estimated that with improved means of transport the mine can be profitably worked.

BLUE MOUNTAIN NORTH SUBDIVISION.

Mr. Graham McPherson, Mining Registrar.

I have very little to report upon with reference to mining matters in this subdivision.

As usual, there is a number of sluicing parties and fossickers obtaining more or less gold.

Messrs. Weir and Co. are putting in a tunnel from Blue Creek to carry off the water from the ground north of the Old Boundary Lead, and if they have got their levels correct, there is no doubt but they will be well remunerated for their outlay.

Robson and Sons (also at Garlicks) are still earning good wages.

ARARAT MINING DISTRICT.

ARARAT DIVISION.

Mr. Thomas Foyster, Mining Registrar.

Foremost of several alluvial rushes during the past quarter stands the "Emu," which skirts the Frying Pan Plains along the Little Wimmera, the exact locality being almost on the boundary line of this and the Pleasant Creek divisions. This rush will open entirely new country, which is now being extensively prospected. For a time, about five hundred men were on the ground, but the present population is reduced to some two hundred miners, many of whom are on payable gold, and the place begins to wear an aspect of stability. Most of the gold, however, finds its way to Stawell, which is much nearer and easier of access than Ararat.

At the Rescue Company, the main drives are being pushed forward with vigor, and the wash obtained therefrom gives evidence of the mine proving profitable.

To test the deep ground under the basalt at the Black Lead, a large block has been taken up under lease by the Syndicate Company, which company intends to place powerful machinery on the claim, and commence operations at an early date.

Quartz reefing in the public prospecting ventures is at a standstill, but private enterprise has caused Moore's Reef and the Pioneer Reef to be again taken up; and a new find, near the Lexington station, called the Perseverance Reef, has attracted considerable attention, so much so that ten claims have been marked off and registered, but no stone has yet been sent to the stampers, although encouraging specimens have been met with.

PLEASANT CREEK DIVISION.

Mr. H. C. Bate, Mining Surveyor and Registrar.

Mining matters generally have been dull during the quarter, and, as is shown by the tables accompanying this, the amount of quartz crushed and the yield of gold therefrom are both much below the averages which have ruled in this division for some years past.

Prospecting is going on as usual, but no important find has been made.

The decrease in the population is to be accounted for by the fact that a number of miners have left the division to prospect at and near the Green Hills in the Ararat division.

The quantity of water sold during the quarter for mining purposes was 465,000 gallons.

BARKLY DIVISION.

Mr. H. C. Bate, Mining Surveyor and Registrar.

There is nothing of importance to note with reference to mining in this division during the quarter.

The amount of gold shown in table represents only what was bought by Barkly and Landsborough gold buyers. It is probable that the total yield for the division for the quarter is in excess of 210 ozs.; but it is quite impossible to obtain precise information.

RAGLAN DIVISION.

Mr. C. W. Minchin, Mining Registrar.

Mining operations in the Waterloo and Charlton districts still continue healthy and active, good returns having been obtained during the quarter from the New Victoria Gold Mining Company, and encouraging prospects in connection with the Hobart Pasha Gold Mining Company on the same line. Active operations are proceeding throughout the several districts of Waterloo, Charlton, Sailors' Gully, and Beaufort, in the erection of new steam engine plants, &c., which, it is to be hoped, will ere long, be busily engaged in testing the respective leaseholds.

A large number of lease applications have been lodged at the warden's office for the district during the quarter, most of which are at present under consideration, and many waiting investigation, &c. The mining population of the district is materially increasing.

GIPPSLAND MINING DISTRICT.

OMEO SUBDIVISION.

Mr. J. Odell, Acting Mining Registrar.

Quartz Mining.

Very little work has been done during the quarter at Swift's Creek, and that has been chiefly of a prospecting nature. One parcel of quartz has been crushed giving 1 oz. 12 dwts. of gold per ton, and about 20 tons more are ready for crushing.

Alluvial Mining.

With the exception of Sassafras and Wheeler's creeks there is nothing particular to report. At the places referred to quite an influx of miners has set in. There are at present about 300 on the ground, with every prospect of the population increasing during the ensuing quarter. It is anticipated that at the present there will be some difficulty in obtaining stores and provisions, but as the spring advances and the tracks are cleared the difficulty will be overcome. The parties who have opened out their claims are reported to be satisfied with the results.

MITCHELL RIVER SUBDIVISION.

Mr. J. G. Peers, Mining Surveyor and Registrar.

Nothing worth recording has occurred during the past quarter.

Mining generally throughout the district is in a depressed state.

There are several tried reefs in the neighborhood of Store Creek and Deptford, Nicholson River, varying in thickness from six inches to one foot, which would, in my opinion—if taken up and worked in a systematic manner—yield very fair returns. These reefs were discovered and partially worked about ten years ago by miners who were not in a position to carry on operations properly, and, not being able to procure pecuniary assistance, were compelled to abandon them.

Gold is the only metal searched for.

No water is sold in this subdivision for mining purposes.

BOGGY CREEK SUBDIVISION.

Mr. J. Fletcher, Mining Registrar.

Several good finds have occurred in this district during the quarter. Water has been plentiful, although the average wages are small, in consequence of the floods having in some instances retarded mining operations, particularly in the vicinity of Boggy Creek.

The Galway Reef is being worked, the result of which, I anticipate, will increase the yields for my next quarterly report.

No water sold in my district.

CROOKED RIVER DIVISION.

Mr. Edward Harrison, Mining Registrar.

Quartz mining has experienced a slight improvement in this district during the past three months, though very little stone has been crushed.

There has been a new quartz leader discovered in the Good Hope No. 2 level, at a depth of 300 feet, by a party of tributers. The quartz is about 6 inches wide, and shows gold freely. None has been crushed yet.

The Jewellers' Shop has been recently taken up by tributers, but they have not had sufficient time to test the part of the claim in which they are working.

The Republic Reef, which was abandoned last quarter, has again been taken up, but no returns have come from it as yet.

The reports from the Budgee Reef, Granite Creek, are very favorable. The tunnel has been driven 25 feet, and 18 tons of stone have been taken out. Two parcels of stone have been assayed. The first yielded 4 ozs. 11 dwts. 11 grs. to the ton; the second, 12 lbs. of quartz, yielded at the rate of 8 ozs. 10 dwts. gold and 2 ozs. 10 dwts. silver per ton.

A new reef has been discovered at Teacup Creek, near Wentworth, which has been named the Triumph Reef. There has been no stone crushed, but the appearance of the reef is promising.

The effects of the floods here are still felt by the alluvial miners, and as the melting snow on the mountains keeps the rivers high, it prevents any permanent headway being made. Those claims, however, which are situated out of reach of flood water have yielded payable gold.

There is no mining in this division for metals or minerals other than gold, and there is no water sold for mining purposes.

JERICHO DIVISION.

Mr. R. J. Donaldson, Mining Registrar.

The flooded state of the rivers and creeks has retarded mining operations very considerably in my division during the quarter just ended.

Although the number of miners employed remains about the same, the amount of gold obtained is very much below the average of other years.

Where men are employed by the day, the rate of wages remains unchanged.

No other metal than gold mined for.

No water sold.

DONNELLY'S CREEK DIVISION.

Mr. O. P. Whitelaw, Mining Surveyor and Registrar.

The returns for the quarter are decidedly bad. Only one company, the Bismarck United, has crushed, 42 tons yielding 29 ozs. 15 dwts. The Gippsland Consols had completed the crushing of 300 tons, but had not cleaned up at the date of receiving report. The yield is expected to be very small.

Gold only is mined for.

STRINGER'S CREEK DIVISION.

Mr. W. M. Smith, Mining Registrar.

Quartz.

During the quarter the Walhalla Company, in extending their No. 6 level south, have reached the Empress shoot of stone, thus showing that the southern shoots continue in depth. The lode is much better defined than it was in the No. 3 level, and the character of the stone has greatly improved, showing a little gold.

The Long Tunnel Company's mine exhibits no important change.

The Long Tunnel Extended Company have sunk their shaft about 200 feet from the surface.

There is nothing calling for special notice in any of the other companies in the division. They are generally engaged with the dead work necessary to develop their several claims.

Alluvial.

This being the season of floods, the alluvial workings in the rivers and creeks have been much retarded; but those who have been able to continue working have generally met with fair returns.

Copper.

Mining and smelting operations in connection therewith have been carried on in the usual manner at Cooper's Creek.

ABERFELDY SUBDIVISION.

Mr. M. Nugent, Mining Registrar.

Mining operations have been much the same this quarter as during the last.

The Aberfeldy Company have been crushing during the quarter with good results. The shaft has been sunk on the reef for 100 feet, and then tunnelled for 400 feet, showing quartz that is expected to go from 10 to 25 dwts. to the ton.

The Star and Thompson Company are now on the reef. The shaft is sunk 120 feet on a reef carrying from 8 to 16 dwts. to the ton, and from 4 feet to 12 feet wide. Levels are being driven at 120 feet, and some excellent prospects, going from 2 to 3 ozs. to the ton, have been obtained. It is the company's intention to drive 50 feet north and 50 feet south on the reef, and then to erect a battery.

RUSSELL'S CREEK DIVISION.

Mr. C. H. Williams, Mining Registrar.

I have nothing of importance to record this quarter.

The men working in the gullies have been able to get on much better since the heavy rains, and as most of them have stripped a considerable quantity of ground, they should have some good washings, judging from the prospects.

The Columbia men are pushing on with the tunnel. They hope to strike the reef in December. They are in very good country.

The Western Branch Reef, the old Empire, has been taken up again. I hear a company has been formed to thoroughly test it.

No water sold here for mining purposes.

BENDOC SUBDIVISION.

Mr. John Nichol, Mining Registrar.

I have no improvement to report. Mining generally throughout this subdivision is much the same as last quarter.

Gold is the only metal searched for.

No water sold in this subdivision for mining purposes.

TARWIN SUBDIVISION.

Mr. H. M. Murphy, Mining Registrar.

During the quarter the Shakespeare Company have got their plant erected, and have commenced work, but have had a quantity of water to contend against, and nothing important has been done.

The Prospector's have had some good dividends, and the Dan O'Connell expect soon to be in working order.

At Turton's Creek prospecting is still going on, without anything new having been found.

Nothing further has been done relative either to the Franklin River tin or the Waratah Bay lime.

No water has been sold for mining purposes.

TRARALGON SUBDIVISION.

Mr. Charles Denis, Mining Registrar.

Mining in this division is still improving slowly. The number of miners is on the increase. There are now several parties at work on the Narracan and its tributaries, and all on an average making wages. Payable gold has also been found lately, in two different places, near the head waters of the Traralgon Creek, but the particulars of the find are kept secret by the discoverers.

APPENDIX.

OBSERVATIONS ON NEW VEGETABLE FOSSILS OF THE AURIFEROUS DRIFTS.

BY BARON FERDINAND VON MUELLER, K.C.M.G., M.D., Ph.D., F.R.S., GOVERNMENT BOTANIST.

[CONTINUED.]

Araucaria Johnstonii.

Branchlets slender, dispersed; leaves very short, narrow- or linear-oblong, convex, slightly acute or rather blunt, not much spreading or almost appressed, few in each spiral coil; strobilus small, its terminal scales blunt and slightly truncated, the downward succeeding scales attenuated into a very short and narrow acumen.

In the Travertin of Geilston-Bay, Tasmania; Rob. M. Johnston.

The above curt definition circumscribes provisory a new conifer, of which impressions of branchlets and the summit of a fruit-cone were very recently found imbedded in the yellow tertiary freshwater-limestone near Hobarton by the assiduous and circumspect amateur-geologist of Launceston, who observed this interesting coniferous fossil associated with fruits of the genera Penteune, Plesiocapparis and Platycoila. Noticing this association with congeneric and even perhaps conspecific types of plants from our Victorian Gold-drifts, I felt justified to admit this new fossil into the series of those promulgated by the Department of Mines as pertaining to the auriferous drift-strata, although the tree now under consideration may not really be indicative of that formation. Mr. Johnston has argued with great lucidity on the geologic relation of this conspicuous fossil, now after ages for the first time disinterred by his searches; and I shall avail myself of his notes, to render the occurrence of this conifer rightly understood in its palæontologic meaning.

Before proceeding I wish it to be distinctly understood, that I placed with diffidence and hesitation this conifer of a byegone time into the genus Araucaria, as suggested by Mr. Johnston already. The impression of the solitary fruit-specimen hitherto obtained exhibits only the marks of the apices of the bracteal scales; hence the cardinal character of the genus Araucaria, as acknowledged in the living species of that genus, namely the consolidation of each nutlet with its two bracteal scales, has yet to be traced out for generic confirmation in the new fossil. The shortness of the leaves gives it also a somewhat different aspect, when compared to that of any living Araucaria, reminding rather among fossil plants of the foliage of Walchia, Voltzia, Echinostrobus, and Palissya. Furthermore the shortness of the terminating acumen of the fruit-scales is not normal in existing Araucarias, although in A. Balansæ (Brogniart and Gris in nouvelles Archives du Museum, Paris, VII. p. 206–207, pl. 13) it is also shorter than usual; certainly in the fossil A. cretacea of France (as figured in Schimper's Paléontologie végétale, pl. LXXVI. 2), the scales are delineated as devoid of an acumen, but as the coalescence of the bracts with the nutlet is not demonstrated, the generic position of that fossil of the chalk-formation seems as yet not free from doubt. But other species of Araucaria have, as fossil, been admitted before in the work above quoted (tome II., 253–254), from fairly preserved fruit-remnants obtained in the oolithic formation of Britain; yet Carruthers was not fully convinced of their generic conformity and preferred to keep the English fossil species separate as Araucarites, which generic appellation might meanwhile be applied to the Geilston supposed congener also, although Schimper gave to that generic term recently again a different limitation.

If at all a comparison of the new fossil Araucaria with living species is admissible, it must particularly be with A. Cunninghami, from which it differs however in far more slender branchlets with far less leaves in each spiral turn, in the latter not being incurved (and perhaps also never dimorphous), in their remarkable shortness, in their apex being less pointed, and furthermore in much smaller fruits (if what we have hitherto seen of A. Johnstonii represents the fruit in an advanced state of growth), with scales extended into a much less elongated awlshaped-linear apex. In speaking here of Araucariæ of the present day, it may be incidentally remarked, that the A. Muelleri (Br. and Gr., l. c. 219, pl. 15), represents the original A. Rulei, as xylographically illustrated by me in Lindley's Gardeners' Chronicle more than 20 years ago, and I may be allowed further to point out passingly, as concerning existing coniferæ, that the genus Belis (from $\beta\varepsilon\lambda o\varsigma$) well established already in 1807 by Salisbury (in the transactions of the Linnéan Society, VIII., 315–316), should in justice take precedence over Cunninghamia (R. Brown in L. C. Richard's Commentatio de Conifereis et Cycadeis, p. 149, t. 18, anno 1826), the name of the former genus being not more similar to Bellis, than that of Bassia or Brassica to R. Brown's Brassia.

The locality, where this fossil supposed Araucaria was obtained, is to us of classical interest. Already Charles Darwin visited it during the stay of H.M. ship *Beagle* at Hobarton, and it was alluded to by that illustrious naturalist subsequently in his journal, p. 448, as pointed out by Mr. Johnston, and also in his work on vulcanic islands, p. 140, as quoted by Sir Paul de Strzelecki, from a note of T. Morris (Physical Description of New South Wales and Van Diemen's Land, p. 254). The last-named palæontologist moreover figured in Strzelecki's work several of the travertin-fossils from near Hobarton, assigning to them a pliocene age (pl. VII. fig. 5–7), the leaf illustrated by fig. 5 representing the most abundant vegetable species in the sediment there according to Mr. Johnston, who however is inclined to consider these organic relics, notwithstanding the close affinity of some of them to forms of the present vegetation, as belonging to the miocene period, a view also taken by Professor McCoy, and to some extent supported

by the late Rev. W. B. Clarke. Light on this special subject was thrown also by the late Morton Allport, who concluded from his local observations (Proceedings of the Royal Society of Tasmania, June 1876), that the intrusion and effusion of feldspathic Basalt has covered the travertin-bed, and (as shown also by Mr. Johnston) left to subsequent changes a portion of this freshwater-limestone as a superincumbent stratum, concealing bones of Phalangistæ and Hypsiprymni. Hence, as Mr. Allport puts it, the outflow of Basalt must have taken place earlier than the formation of the diluvium with its marsupial remnants, but must still be regarded of later date than that of the travertin with its vegetable fossils, to which latter now the Araucarian tree is added.

Professor Ulrich, as stated also by Mr. Johnston, considers the Basalt of Geilston-Bay and of similar geologic localities in Tasmania (coeval with what the latter calls the Launceston tertiary bed) identical with what in Victoria is often designated as the older vulcanic formation, which caps those fossiliferous layers belonging to a period, when Spondylostrobus-Cypresses and sapindaceous Phymatocaryon- and Penteune-trees leadingly with other now extinct silvan vegetation luxuriated over extensive portions of at least South-Eastern Australia and over very many parts of the now Tasmanian Island also. Mr. Johnston, with others, confirms that the rich chocolate-colored soil in Tasmania, as in Victoria, is widely derived from feldspathic Basalt, and further that in auriferous and stanniferous regions it frequently overspreads the diluvial drifts, whereas the Augite-Greenstone, as pointed out by Professor Ulrich, has proved non-auriferous, wherewith often a clue is given for the likely success in operations of gold mining by clear scientific data.

EXPLANATION OF LITHOGRAM.

PLATE XVIII.

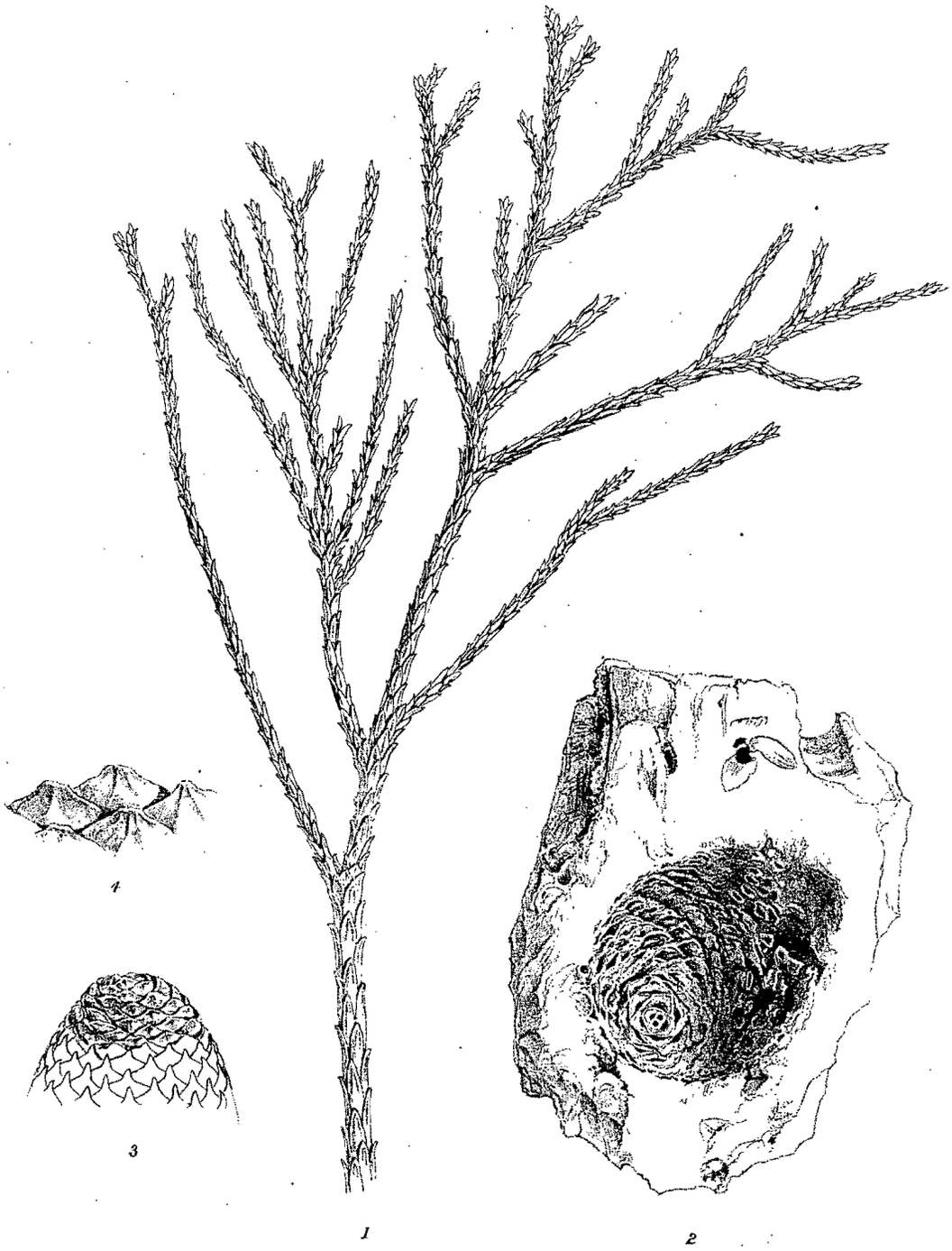
Fig. 1.—Branch with branchlets, restored from fragmentary impressions.
2.—Impression of the upper portion of a strobilus on travertin-stone.
3.—The same restored to its natural appearance.
4.—Some of the upper fruit scales, in situ, much enlarged.

Fig. 1—3, natural size.

By Authority: John Ferres, Government Printer, Melbourne.

ARAUCARIA JOHNSTONII

F. von MUELLER



R Shepherd. Del et Lith.