1878.

VICTORIA.

REPORTS

OF THE

MINING SURVEYORS & REGISTRARS.

QUARTER ENDED 30TH SEPTEMBER 1878.

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, 15, 16, 19, 23
Ballarat Southern Division	Mr. George Perry, Mining Registrar	7, 16, 18, 19, 23
Buninyong Division	Mr. Robert M. Harvey, Mining Surveyor and Registrar	7, 19, 24
Smythesdale Division	Mr. John Lynch, Mining Surveyor and Registrar	7, 14, 18, 19, 24
Creswick Division	Mr. James Stevenson, Mining Surveyor and Registrar	7, 15, 19, 24
Gordon Subdivision	Mr. Thomas Cowan, Mining Surveyor and Registrar	8, 19, 25
Steiglitz Subdivision	Mr. E. Darling, Mining Registrar	8, 15, 19, 25
Blackwood Division and Blue Mountain South Subdivision	Mr. John F. Hansen, Mining Registrar	8, 15, 18, 19, 26
Ballan Subdivision	Mr. John F. Hansen, Mining Registrar	19, 26

BEECHWORTH MINING DISTRICT.

Beechworth Division	Mr. Alexander Alderdice, Mining Registrar	8, 15, 16, 19, 26
Yackandandah North Subdivision	Mr. J. C. Forster, Mining Registrar	27
Yackandandah South Subdivision	Mr. J. Smart, Mining Registrar	8, 15, 19, 27
Indigo Division	Mr. R. Arrowsmith, Mining Surveyor and Registrar	9, 19, 27
Buckland Division	Mr. J. Darbyshire, Mining Surveyor and Registrar	9, 20, 27
Wandiligong Subdivision	Mr. T. C. Kaighin, Mining Registrar	9, 14, 15, 20, 27
Alexandra Subdivision	Mr. J. H. D. Cotter, Mining Registrar	9, 20, 28
Dry Creek Subdivision	Mr. J. Pemberton, Mining Registrar	10, 20, 28
Gaffney's Creek Subdivision	Mr. A. B. Ainsworth, Mining Surveyor and Registrar	10, 15, 20, 28
Wood's Point Subdivision	Mr. A. B. Ainsworth, Mining Surveyor and Registrar	10, 20, 28
Big River Subdivision	Mr. A. B. Ainsworth, Mining Surveyor and Registrar	10, 20, 28
Mitta Mitta North Subdivision	Mr. J. C. Forster, Mining Registrar	10, 20, 29
Mitta Mitta South Subdivision	Mr. D. H. Gilmore, Mining Registrar	20, 29
Jamieson Subdivision	Mr. W. H. Edwards, Mining Registrar	10, 20, 29

SANDHURST MINING DISTRICT.

Sandhurst Division	Mr. N. G. Stephens, Mining Registrar	10, 14, 15, 20, 29
Kilmore Division	Mr. James W. Osborn, Mining Registrar	20, 30
Heathcote Division and Waranga South Subdivision	Mr. E. C. Bell, Mining Registrar	11, 14, 20, 31
Waranga North Subdivision	Mr. Henry Hicks, Mining Registrar	11, 20, 31

MARYBOROUGH MINING DISTRICT.

Maryborough Division	Mr. P. Virtue, Jun., Mining Registrar	11, 14, 16, 20, 31
Majorca Subdivision	Mr. P. Virtue, Jun., Mining Registrar	21, 32
Amherst Division	Mr. Joseph Smith, Mining Surveyor and Registrar	11, 14, 16, 21, 32
Avoca Subdivision	Mr. D. O'Leary, Mining Surveyor and Registrar	21, 32
Dunolly and Tarnagulla Division	Mr. W. G. Couchman, Mining Surveyor and Registrar	11, 17, 21, 32
Inglewood Division	Mr. W. H. Coffey, Mining Registrar	11, 17, 21, 33
Wedderburn Division	Mr. J. Reach, Mining Registrar	21, 33
Redbank Subdivision	Mr. D. O'Leary, Mining Surveyor and Registrar	21, 33
St. Arnaud South Subdivision	Mr. W. G. Couchman, Mining Surveyor and Registrar	11, 14, 21, 33
St. Arnaud North Subdivision	Mr. W. G. Couchman, Mining Surveyor and Registrar	14, 21, 33

CASTLEMAINE MINING DISTRICT.

Castlemaine Division	Mr. T. L. Brown, Mining Surveyor and Registrar	12, 14, 15, 21, 33
Fryer's Creek Division	Mr. Mark Amos, Mining Surveyor and Registrar	12, 17, 18, 21, 33
Hepburn Division	Mr. Thos. Hale, Mining Registrar	12, 15, 17, 21, 34
Taradale and Kyneton Subdivision	Mr. S. Dorman, Mining Registrar	12, 21, 34
Tarrangower Division	Mr. Robt. Nankivell, Mining Surveyor and Registrar	12, 14, 17, 18, 21, 35
St. Andrew's Division	Mr. Alfred Armstrong, Mining Surveyor and Registrar	12, 17, 22, 35
Blue Mountain North Subdivision	Mr. Graham McPherson, Mining Registrar	22, 35

ARARAT MINING DISTRICT.

Ararat Division	Mr. Thos. Foyster, Mining Registrar	22, 35
Pleasant Creek Division	Mr. H. C. Bate, Mining Surveyor and Registrar	13, 18, 22, 36
Barkly Division	Mr. H. C. Bate, Mining Surveyor and Registrar	22, 36
Raglan Division	Mr. C. W. Minchin, Mining Registrar	17, 22, 36

GIPPSLAND MINING DISTRICT.

Omeo Subdivision	Mr. W. Phipps, Mining Registrar	22
Mitchell River Subdivision	Mr. John Grimes Peers, Mining Surveyor and Registrar	22, 36
Boggy Creek Subdivision	Mr. J. Fletcher, Mining Registrar	22, 36
Crooked River Division	Mr. James Travis, Mining Registrar	13, 22, 36
Jericho Division	Mr. R. J. Donaldson, Mining Registrar	13, 22, 37
Donnelly's Creek Division	Mr. O. P. Whitelaw, Mining Surveyor and Registrar	13, 22, 37
Stringer's Creek Division	Mr. W. M. Smith, Mining Registrar	13, 15, 22, 37
Aberfeldy Subdivision	Mr. M. Nugent, Mining Registrar	13, 22, 37
Russell's Creek Division	Mr. C. H. Williams, Mining Registrar	22, 37
Bendoc Subdivision	Mr. John Nichol, Mining Registrar	22, 37
Tarwin Subdivision	Mr. H. M. Murphy, Mining Registrar	22, 38
Traralgon Subdivision	Mr. C. Denis, Mining Registrar	22, 38

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SUMMARY.

GOLD MINING STATISTICS FOR THE QUARTER ENDED 30th SEPTEMBER 1878.

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 1878.)

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.	Puddles.	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).	Puddles.	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	440	170	1,555	—	2,165	34	1,962	26	1	13	11	12	18	—	20	—	14	—	—	62	1,358	—	439	3	—	25	13	—	119,895	39	24	4 2 0	4 2 9
Southern Division	522	282	155	1	960	2	20	—	—	14	3	12	35	1	6	—	—	—	1	11	195	—	70	—	—	5	2	—	16,500	13	19	4 1 6	4 2 6
Buninyong Division	159	80	296	44	580	2	20	6	—	14	7	—	26	—	—	—	—	—	—	9	200	—	70	1	—	6	1	—	30,000	16½	13	4 0 0	4 2 6
Smythesdale Division	602	320	75	—	1,497	40	340	48	—	14	7	—	26	—	—	—	2	10	—	6	97	—	79	2	—	2	1	—	24,660	18	12	4 0 0	4 2 6
Creswick Division	600	260	890	—	1,750	23	500	25	—	50	14	3	1,000	—	—	—	—	—	—	34	1,123	1	262	24	—	11	3	1	101,500	13	16	4 0 0	4 2 9
Gordon Subdivision	—	—	405	28	433	—	—	—	—	—	—	—	—	—	—	—	—	—	—	19	496	—	98	—	—	6	—	—	19,084	3½	19	3 17 9	3 19 6
Steiglitz Subdivision	60	36	124	—	220	—	—	—	—	—	—	—	24	—	—	—	—	—	—	9	164	—	54	2	8	6	—	—	6,245	50	76	3 16 6	4 0 6
Blackwood Division and Blue Mountain South Subdivision	130	255	340	5	730	—	—	—	—	—	—	—	450	—	20	15	—	—	—	25	547	9	275	—	—	16	—	—	63,000	4½	31	3 18 0	4 0 0
Ballan Subdivision	20	—	4	—	24	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	10	—	8	—	—	—	—	—	400	1	3	3 17 6	4 0 0
Totals	2,534	1,903	3,844	78	8,359	108	3,602	105	1	108	44	28	1,570	1	54	15	16	10	1	176	4,191	10	1,318	32	8	77	20	1	381,284	158½	213		
BEECHWORTH.																															
Beechworth Division	838	743	124	—	1,705	25	270	—	—	4	8	3	5,200	3	52	20	—	—	2	7	115	5	75	—	1	5	—	3	53,260	47	105	3 18 0	4 2 6
Yackandandah North Subdivision	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Yackandandah South Subdivision	246	198	120	—	564	2	10	—	—	—	—	—	3,000	3	24	21	—	—	1	4	71	—	44	3	—	2	—	—	10,000	15	92	3 10 9	4 1 6
Indigo Division	135	159	109	—	413	9	249	11	—	6	4	6	39	—	7	—	—	—	1	3	44	—	28	—	—	—	2	—	26,118	8	26	4 1 0	4 2 0
Wandiligong Subdivision	12	26	140	—	178	—	—	—	—	—	—	—	260	—	1	—	—	—	—	9	130	5	125	—	—	—	—	—	16,080	26	157	3 15 6	4 1 6
Buckland Division	62	601	160	—	823	—	—	—	—	—	—	—	1,600	—	28	40	—	—	—	8	115	3	124	1	—	—	—	—	19,580	53	187	3 18 6	4 1 6
Alexandra Subdivision	86	17	99	—	193	1	10	—	—	4	5	30	—	—	—	3	—	1	—	9	120	1	100	—	—	5	7	—	12,280	35	74	3 16 0	4 1 0
Dry Creek Subdivision	20	33	12	2	67	—	—	—	—	—	—	—	350	—	—	—	—	—	—	—	—	1	10	—	—	—	—	—	2,000	7½	1	3 15 6	3 17 6
Benalla Subdivision	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10	3	—	—
Gaffney's Creek Subdivision	46	—	75	—	121	—	—	—	—	—	—	—	140	—	8	8	—	—	—	4	64	12	172	1	3	—	1	—	17,595	24	19	3 14 0	3 16 6
Wood's Point Subdivision	85	—	60	—	145	—	—	—	—	—	—	—	180	—	9	9	—	—	—	11	165	9	211	2	1	—	—	—	27,750	18	95	3 5 0	3 16 6
Big River Subdivision	50	—	26	—	76	—	—	—	—	—	—	—	150	—	8	8	—	—	—	6	69	—	47	—	—	—	—	—	5,460	33	14	3 16 6	3 19 6
Mitta Mitta North Subdivision	—	—	287	—	287	—	—	—	—	—	—	—	3	—	—	—	1	—	—	6	55	—	28	—	—	1	—	—	19,650	35	17	2 12 6	3 5 6
Mitta Mitta South Subdivision	53	37	—	—	90	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	6	—	—	—	—	—	1,500	16	—	3 10 0	3 12 6
Jamieson Subdivision	100	20	200	—	320	—	—	—	—	—	—	—	450	—	—	—	—	—	—	4	47	3	27	—	—	—	—	—	16,000	9	27	3 14 0	3 18 3
Totals	1,733	1,844	1,403	2	4,982	37	539	11	—	14	17	39	11,372	6	137	110	1	1	3	71	989	45	997	7	5	13	10	3	207,273	336½	817		
SANDHURST.																															
Sandhurst Division	920	780	3,765	30	5,495	10	190	—	—	65	—	—	8	—	10	—	3	120	—	210	3,910	—	1,240	3	—	185	190	2	464,000	23	323	3 18 3	3 18 3
Kilmore Division	12	8	22	—	42	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	14	—	—	—	—	—	—	—	500	26	126	3 17 6	3 18 6
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 3	4 0 0
Waranga North Subdivision	87	38	137	—	262	—	—	—	—	27	—	—	—	—	—	—	—	—	—	10	190	—	79	—	—	3	12	—	11,220	11	126	3 10 6	4 2 6
Totals	1,174	866	4,314	30	6,384	10	190	—	—	132	4	10	38	—	60	—	3	120	—	240	4,488	—	1,448	3	—	195	222	2	502,112	141	779		
MARYBOROUGH.																															
Maryborough Division	1,595	350	955	—	2,900	3	1,157	32	—	167	34	11	6	—	4	2	38	125	4	27	614	—	209	2	—	30	27	—	136,473	5	167	4 0 0	4 2 6
Majorca Subdivision	92	12	—	—	104	8	188	11	—	7	8	—	11	—	10	—	7	—	—	—	—	—	—	—	—	—	—	—	11,280	2½	1	3 19 0	4 2 0
Amherst Division	210	200	111	—	521	5	60	3	—	27	9	26	35	—	40	2	20	12	—	4	66	—	26	—	—	6	16	—	11,800	5	30	3 14 0	4 2 0
Avoca Subdivision	347	570	12	—	929	1	25	—	—	100	—	1	34	—	17	—	4	—	—	5	38	—	73	—	—	4	4	—	6,259	18½	40	3 19 6	4 1 0
Dunolly and Tarnagulla Divisions	310	210	410	—	930	4	92	2	—	55	11	1	—	—	—	—	8	—	—	30	635	—	180	—	—	26	19	—	55,390	16	185	3 15 0	4 1 6
Inglewood Division	712	570	100	—	1,382	3	90	1	—	1	—	1	4	—	—	2	15	18	—	7	120	—	40	—	—	6	7	—	14,090	17	71	3 17 0	4 0 0
Wedderburn Division	123	20	—	—	143	—	—	—	—	10	2	—	—	—	—	—	—	—	—	1	25	—	10	—	—	1	—	—	707	37	9	3 18 0	3 18 6
Redbank and St. Arnaud South Subdivisions	230	110	55	—	395	—	—	—	—	29	2	1	9	—	—	—	6	—	—	4	65	—	22	—	—	4	4	—	6,033	14½	28	3 15 0	4 1 0
St. Arnaud North Subdivision	120	40	270	—	430	—	—	—	—	8	—	—	5	—	—	—	—	—	—	19	490	—	134	2	—	17	22	—	44,186	7	70	3 15 0	4 0 0
Totals	3,739	2,082	1,913	—	7,734	56	1,612	54	—	395	66	40	104	—	73	4	98	155	4	97	2,013	—	694	4	—	94	99	—	286,273	122½	601		
CASTLEMAINE.																															
Castlemaine Division	325	300	336	—	961	1	20	3	—	62	—	—	108	6	6	—	2	—	—	35	618	—	270	3	—	23	28	—	65,990	9½	103	3 17 6	4 0 0
Fryer's Creek Division	755	615	199	—	1,569	4	78	—	—	41	6	15	306	—	25	2	24	—	—	18	479	—	150	4	1	9	15	—	70,527	28¾	37	3 17 6	3 18 0
Hepburn Division	425	330	419	—	1,174	1	26	1	—	15	3	55	90	2	30	3	1	—	1	28	480	—	214	1	3	35	42	—	35,200	82	88	3 19 6	4 1 6
Taradale and Kyneton Subdivision	162	140	90	—	392	5	139	—	—	10	—	—	6	—	—	—	5	—	—	13	393	—	112	—	—	—	—	—	24,512	22	19	3 18 0	3 18 6
Tarrangower Division	71	227	192	—	490	1	4	—	—	14	—	2	18	—	18	—	22	—	—	30	602	—	202	—	—	28	1	—	44,456	4½	75	3 19 0	4 0 0
St. Andrew's Division	180	45	121	—	346	1	10	2	—	6	7	6	24	6	4	5	—	—	—	11	146	3	43	—	—	7	—	—	7,732	15½	78	3 19 0	4 0 6
Blue Mountain North Subdivision	67	—	—	—	67	1	10	—	—	—	—	—	—	—	—	—	—	—	—	1	10	—	—	—	—	—	—	—	650	4	4	3 16 6	3 16 6
Totals	1,985	1,657	1,357	—	4,999	14	287	6	—	148	26	78	552	14	83	10	30	24	1	136	2,638	3	991	8	4	102	86	—	249,067	166	404		
ARARAT.																															
Ararat Division	110	335	30	—	475	4	35	—	—	11	3	4	30	—	12	—	4	29	—	5	102	—	35	—	—	2	3	—	9,860	34	27	3 18 0	3 18 0
Pleasant Creek Division	512	255	877	3	1,647	10	160	1	1	—	4	—	25	—	—	—	24	70	1	39	1,475	—	346	—	—	48	10	—	157,214	27	37	3 13 0	4 1 0
Barkly Division	275	150	—	—	425	1	10	—	—	11	2	—	5	—	—	—	—	10	—	—	—	—	—	—	—	—	—	—	865	16	9	3 19 6	4 0 6
Raglan Division	224	125	—	—	349	7	123	2	—	10	9	2	10	—	1	—	—	—	—	1	10	—	8	—	—	1	2	—	10,700	6¼	5	4 1 3	4 1 3
Totals	1,121	865	907	3	2,896	22	328	3	1	32	18	6	70	—	13	—	28	109	1	45	1,587	—	389	—	—	51	15	—	178,639	83¼	78		
GIPPSLAND.																															
Omeo Subdivision	91	282	32	—	405	—	—	—	—	—	—	—	935	2	22	22	—	—	—	1	17	1	20	—	—	—	—	—	6,090	11	23	3 12 0	3 17 6
Mitchell River and Boggy Creek Subdivisions	195	80	—	—	275	—	—	—	—	—	2	—	—	—	—	—	—	—	—	1	8	—	8	—	—	2	—	—	700	23	23	3 13 6	3 17 6
Crooked River Division	156	62	24	—	242	—	—	—	—	—	—	—	240	—	11	10	—	—	—	8	137	4	126	—	—	—	—	1	32,280	49½	350	3 8 0	3 18 6
Jericho Division	63	60	8	—	131	—	—	—	—	—	—	—	90	—	20	20	—	—	—	3	35	—	37	1	—	—	—	—	4,300	26	33	3 15 0	3 17 6
Donnelly's Creek Division	20	5	63	—	88	1	10	—	—	—	1	—	30	—	—	—	—	—	—	3	58	3	30	—	—	—	—	—	12,450	6½	18	3 8 0	3 19 0
Stringer's Creek Division	95	—	351	—	446	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17	355	1	126	2	—	—	—	—	46,430	7	13	3 10 0	4 0 0
Aberfeldy Subdivision	76	11	76	—	163	—	—	—	—	—	—	—	164	—	12	12	—	—	—	4	65	1	35	—	—	—	—	—	10,996	20	6	3 15 0	3 17 0
Russell's Creek Division	32	—	4	—	36	—	—	—	—	2	1	—	12	—	—	4	—	—	—	—	—	—	—	—	—	—	—	—	36	35	16	3 10 0	3 18 0
Rendoe Subdivision	40	16	—	—	56	—	—	—	—	—	—	—	42	—	5	5	—	—	—	—	—	1	5	—	—	—	—	—	350	26	13	3 12 0	3 16 0
Tarwin Subdivision	26	—	20	—	46	2	18	—	—	2	8	6	4	—	1	—	—	10	2	2	20	1	18	—	—	—	—	—	2,960	3	4	3 16 0	3 17 6
Traralgon Subdivision	49	—	—	—	49	—	—	—	—	—	—	—	15	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	75	2	2	3 16 0	3 19 6
Totals	893	516	578	—	1,987	3	28	—	—	4	12	6	1,532	2	71	73	—	10	2	39	695	12	405	3	—	2	—	1	116,667	209	501		
GRAND TOTALS	13,179	9,733	14,316	113	37,341	250	6,586	179	2	833	187	207	15,238	23	491	212	176	429	12	804	16,601	70	6,242	57	17	534	452	7	1,921,315	1,216½	3,393		

THOS. COUCHMAN,
Secretary for Mines.

Office of Mines, Melbourne, 16th October 1878.

No. 68.

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 1878.)

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	950	1,500	0 7 7	*2 0	W. 2ft. in 6ft.	S. 2ft. in 6 ft.	S.W.	Black Hill	Western State, Indicator, and Eastern lodes	600	600	600	* The lode is regular and well defined.
Southern Division	New Kangaroo	Kangaroo	218	1,470	0 4 12	*4 6	W. 70°	S.	N. 7° W.	Hopewell	Staffordshire	522	500	500	* A well-defined lode.
Buninyong Division	Imperial	Hiscock's	200 to 320	2,103	0 2 18	3 to 10 0	W. 64°	Varies	N. 5° W.	Imperial	Hiscock's	406	400	400	
Smythesdale Division															
Creswick Division	Port Phillip	Clunes	100 to 990	16,061	0 7 0*	2 to 30 0	{ 4 reefs E. 30° / 2 reefs W. 30° }	N.	W. 15°	Port Phillip	Clunes	1,096	1,090	1,090	* Including pyrites.
	New North Clunes	Clunes	230 to 1,000	3,594	0 6 16*	2 to 7 0	W. 15°	N.	N. 8° W.	New North Clunes	Clunes	1,100	1,005	1,005	* Including pyrites.
Gordon Subdivision										Parker's United	Parker's	613	590	590	
Steiglitz Subdivision															
Blackwood Division and Blue Mountain South Subdivision	Sultan	Sultan and others	100 to 700	1,349	0 12 21	6 in. to 3 ft.	Varies	Nearly vert.	N. 10° W.	Sultan	Sultan and others	814	800	800	
Ballan Subdivision															
BEECHWORTH.															
Beechworth Division	Homeward-bound	Homeward-bound, Rocky Point	550	338	0 11 12	3 0	S. 2ft. in 6ft.	N.	N.	Dale and Co.	Excelsior, Wooragee	310	180	310	
Yackandandah North Subdivision															
Yackandandah South Subdivision	Bigelowe and Clingan	Homeward-bound, Hillsborough	170	208	0 6 0	4 0	W. 80°	Vertical	N. 10° E.	Bigelowe and Clingan	Homeward-bound, Hillsborough	450	420		
Indigo Division	Williams and Co.	Williams'	80 to 100	20	2 12 12	1 3		N.W. 30°	N. 5° W.	Magenta	Magenta	320	220	220	
Wandiligong Subdivision															
Buckland Division	Shamrock	Land Tax	340	820	2 2 3										
	Hanna and Co.	Admiral	350	60	0 11 0										
Alexandra Subdivision															
Dry Creek Subdivision															
Benalla Subdivision															
Gaffney's Creek Subdivision	Golden Belt	Homeward-bound	300	120	0 4 0	4 0	S.W. 85°	*	N. 24° W.						* Cuts through to surface.
Wood's Point Subdivision	Lady Franklin	Johnson's	150	150	0 13 12	2 6	S.W. 85°	S.E. 52°	S.E. 52°						
Big River Subdivision	Londonderry Tribute	Railway	200	250	0 3 9	2 0	Vertical	*	N. 24° W.						* Cuts through spur to surface.
Mitta Mitta North Subdivision	McCrae	Bethanga	90	60	1 0 5	1 8			N. and S.						
Mitta Mitta South Subdivision															
Jamieson Subdivision	Gleeson's Lease	Sailor Bill's	380	100	0 15 18	4 0	E.								
	Sailor Bill's	Sailor Bill's	400	523	0 5 22	8 0	E.								
SANDHURST.										Geo. Lansell's No. 180	Victoria	1,403	1,100	1,100	Sinking.
	Garden Gully United	Garden Gully	745	4,435	2 0 19	1 to 5 0				Great Extended Hustler's	Hustler's	1,343	800	1,250	Sinking.
	Unity	Garden Gully	350 to 740	154	0 11 19	Spars				Victoria Reef	Victoria	1,315	1,315	1,315	Not sinking.
	Victory	Garden Gully	750	704	0 10 9	1 0				Great Extended Hustler's Tribute	Hustler's	1,226	1,200	1,200	Not sinking.
Sandhurst Division	Cornish United	Garden Gully	920	241	0 8 8	1 to 4 0				Hercules and Energetic	Victoria	1,210	1,120	1,120	Sinking.
	Lazarus	New Chum	290 to 960	2,173	1 2 0	1ft.2in.to32ft.*				North Old Chum	New Chum	1,190	1,180	1,180	Not sinking. * A remunerative reef at 960 feet.
	Old Chum	New Chum	300 to 1,000	541	0 18 3	1 to 2 6				Carlisle, North Garden Gully, and Passby	Garden Gully	1,170	854	1,024	Sinking.
										Hustler's Reef	Hustler's	1,111	967	1,017	
										Koch's Pioneer	Garden Gully	1,100	1,000	1,100	
Kilmore Division															
Heathcote Division and Waranga South Subdivision	The Alabama and Bullers' Reef	Alabama	320 to 380	900	1 0 0	0 8	E. 55°		N. 56° 4'						
Waranga North Subdivision	Alison	Alison	200 to 345	200	0 17 4	0 6	W. variable		N. 20° W.						
	Grumbridge and Mackie	Whistler's	100	25	5 12 21	0 8									
	Augustine and Co.	Belle Alliance	160	99	1 1 0	2 0									
MARYBOROUGH.															
Maryborough Division															
Majorca Subdivision															
Amherst Division										Perseverance	Prince of Wales	235	225	225	
Avoca Subdivision															
Dunolly and Tarnagulla Divisions	Queen's Birthday	Bealiba	300 to 400	3,597	1 7 19	6 0	W. 40°	S.	N. 18° W.	Queen's Birthday	Bealiba	432	400	400	Still sinking in new main shaft.
Inglewood Division	Fone's	Lillipatian	525 & 600	1,600	0 8 0	5 0									
Wedderburn Division															
Redbank Subdivision															
St. Arnaud North Subdivision															
St. Arnaud South Subdivision	Greenock Reef	Greenock	280	200	0 10 0	3 0				Greenock Reef	Greenock	280	280	280	Water level, 160 feet.
CASTLEMAINE.															
Castlemaine Division	Eureka Consols	Eureka	480 to 520	467	0 8 2	9 0	W. 70°	N. 26°	N. 5° W.	Eureka Consols	Eureka	468	526	526	
Fryer's Creek Division	Ferron's Reef	Ferron's	130 to 380	4,581	0 3 20	10 6	W. 50°	N. 1 in 8	N. 5° E.	Ferron's Reef	Ferron's	443	430	430	
	Rowe Bros.	Cattle's	130 to 190	816	0 9 17	1 to 4 0	E. 36°		N. 14° W.	Rowe Bros.	Cattle's	210	170	170	
Hepburn Division	Cornish	Cornish	Sfacc. to 320	1,260	0 4 4	6 0	W. 50°	S. 10°	N. 18° W.						
Tarradale and Kyneton Subdivision	United Kingdom	United Kingdom	80 to 230	900	0 5 0	8 to 12 0			N. 18° W.						
Tarrangower Division	North Eaglehawk	Linscott's	500	70	1 16 23	2 6	W. 79°	Vertical	N. 19° W.	Eaglehawk Union	Eaglehawk	1,020	600	1,000	
	North British	Parkins'	410	929	0 9 2	12 0	W. 82°		N. 18° W.	North British	Parkins'	410	410	410	
St. Andrew's Division															
Blue Mountain North Subdivision															
ARARAT.															
Ararat Division										Try Again	Gap	273	273	273	
										Ararat Prospecting	Mitchell's	270	270	270	
										Magdala		2,014	2,002		
										Newington & Pleasant Ck.		1,940	1,510	1,220	
										Prince Patrick		1,500	1,344	1,344	
										South Scotchman's		1,262	1,252	1,252	
Pleasant Creek Division	Pleasant Creek Cross Reef	Cross and Flat	950	4,684	0 17 8					Pleasant Creek Cross Reef, No. 1 shaft		1,220	1,200	1,200	
	Oriental	Scotchman's Flat	1,060 to 1,120	2,314	2 7 16					Prince Alfred		1,243	1,026	1,026	
										Oriental		1,180	1,120	1,120	Still sinking.
										Crown Cross United		1,184	1,000	1,000	Still sinking.
										Extended Cross Reef		1,177	1,070	1,070	
Barkly Division															
Raglan Division															
GIPPSLAND.															
Omeo Subdivision															
Mitchell River & Boggy Ck. Subdivisions															
Crooked River Division										Good Hope	Good Hope	700	500	700	All work has been stopped on the "Palmerston," and the mine has been abandoned.
Jericho Division															
Donnelly's Creek Division															
Stringer's Creek Division	Long Tunnel	Cohen's	343 to 623*	5,328	1 7 16	12 0	W. 89°	N. 30°	N.W. 19°	Long Tunnel	Cohen's	723	623	723	Measured from the adit levels, and not from the surface. * Below ad t level
	Walhalla	Cohen's	385* & upwd.	3,820	0 12 4	5 6				Walhalla	Cohen's	615	585	585	
Aberfeldy Subdivision															
Russell's Creek Division															
Bendoc Subdivision															
Darwin Subdivision															
Traralgon Subdivision										Prospectors' Tribute	Prospectors'	50	50	50	

Office of Mines, Melbourne, 16th October 1878.

No. 68.

THOS. COUCHMAN,
Secretary for Mines.

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 1878	64,028 18	130,931 8	194,960 6

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 1878	99,676	15

NOTE.—In addition to the above, gold specie from all sources was exported to the value of £478,089.

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 1878.

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.
17,036·98	127,810·02	136,628·67	539·889

Royal Mint,
Melbourne, 9th October 1878.

V. DELVES BROUGHTON,
Deputy Master.

STATEMENT of VICTORIAN GOLD received at the Melbourne Branch of the ROYAL MINT during the Quarter ended 30th September 1878.

Gross Weight of Rough Gold.	Gross Weight of Gold Bullion.
oz.	oz.
4,801·23	103,073·18

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

Royal Mint,
Melbourne, 9th October 1878.

V. DELVES BROUGHTON,
Deputy Master

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. qr.	oz. dwt. gr.	oz. dwt. gr.
Ballarat	88,743 0 0	0 6 16·72	29,714 15 8
Beechworth	15,199 10 0	0 12 2·44	9,196 19 21
Sandhurst	73,607 0 0	0 10 4·94	37,561 11 6
Maryborough	9,378 0 0	0 15 14·93	7,325 6 18
Castlemaine	18,951 0 0	0 6 16·98	6,356 0 21
Ararat	19,912 10 0	0 14 9·68	14,340 8 11
Gippsland	11,733 0 0	0 19 8·09	11,344 5 0
Totals	237,524 0 0	0 9 18·09	115,839 7 13
Quartz Tailings and Mullock.			
Ballarat	4,476 0 0	0 1 12·55	340 18 0
Beechworth	206 0 0	0 5 0·79	51 16 0
Sandhurst	1,427 0 0	0 0 20·30	60 7 0
Maryborough	3,755 0 0	0 2 21·37	542 14 12
Castlemaine	1,390 0 0	0 1 4·27	81 17 12
Ararat	...	...	...
Gippsland	...	...	...
Totals	11,254 0 0	0 1 21·96	1,077 13 0
Pyrites and Blanketings operated on.			
Ballarat	273 10 0	4 0 9·12	1,099 4 0
Beechworth	118 0 0	1 2 7·56	131 13 4
Sandhurst	691 0 0	3 2 13·87	2,162 1 12
Maryborough	...	...	...
Castlemaine	93 0 0	2 2 16	198 8 0
Ararat	...	...	...
Gippsland	93 6 0	2 14 16·28	255 1 12
Totals	1,268 16 0	3 0 15·14	3,846 8 4

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 16th October 1878.

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.

BALLARAT MINING DISTRICT.

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.	
CENTRAL DIVISION.					
New Dimocks	Little Bendigo ...	2,550 0 0	0 3 1·03	388 0 0	200 to 260 feet
Manners' Lease	Canadian	586 0 0	0 4 16·38	137 4 1	160 feet
Endeavor	Specimen Gully ...	666 0 0	0 5 20·81	195 7 12	40 to 150 feet
Llanberris	Gum-tree Flat ...	2,376 0 0	0 1 12·77	182 1 0	200 feet
Duchess	Ballarat East ...	780 0 0	0 8 15·78	337 13 0	180 to 300 feet
Hanthorn and Co. ...	Mount Clear	150 0 0	0 6 0	45 0 0	90 feet
United Black Hill ...	Black Hill Flat ...	282 0 0	1 6 14·69	375 4 15	400 to 500 feet
Grand Duke	Ballarat East	220 0 0	0 8 12·92	93 18 12	140 to 280 feet
Parade	Ballarat East	420 0 0	1 4 2·37	506 1 12	420 feet
Countess	Ballarat East	350 0 0	0 4 5·64	74 2 6	400 feet
Temperance	Little Bendigo ...	1,500 0 0	0 7 7·17	547 8 10	450 to 950 feet
Britannia	Specimen Gully ...	439 0 0	0 7 12·41	165 0 0	170 feet
New Koh-i-noor	Ballarat West ...	1,511 0 0	0 7 23·31	602 5 0	300 to 500 feet
Baker and Co.	Mount Clear	1,850 0 0	0 8 6	763 2 12	Surface to 150 feet
Llewellyn and Co. ...	Magpie	239 0 0	0 3 0·30	36 0 0	90 to 136 feet
Black Hill	Black Hill Flat ...	1,980 0 0	0 7 20·07	775 15 18	Surface to 500 feet
Public Crushings... ...	Ballarat East	7,171 0 0	0 7 11·84	2,686 17 13	
	Totals... ...	23,070 0 0	0 6 20·60	7,911 1 15	
SOUTHERN DIVISION.					
Speedwell Tribute ...	Staffordshire Reef ...	1,200 0 0	0 2 0·48	121 4 0	110 feet, 8 feet wide
Hopewell	Staffordshire Reef ...	350 0 0	0 1 12·86	26 17 14	Surface leaders
New Kangaroo	Kangaroo	1,470 0 0	0 4 12·04	330 17 12	218 feet, 4 ft. 6 in. wide
Williams' Fancy... ...	Kangaroo	1,605 0 0	0 3 6·26	261 14 2	140 feet, 8 feet wide
Nil Desperandum ...	Kangaroo	971 0 0	0 3 11·52	168 19 3	120 feet, 12 feet wide
New Try Again	Kangaroo	400 0 0	0 2 0	40 0 0	120 feet
Frazer and Co. Crushed (on hire) at the New Kangaroo Co.'s battery	Emperor Gully ...	6 0 0	5 0 0	30 0 0	Surface, 2 feet wide
	Totals	6,002 0 0	0 3 6·34	979 12 7	
BUNINYONG DIVISION.					
Imperial	Hiscock's Reef ...	2,103 0 0	0 2 18·50	291 7 12	200 to 320 feet
Imperial Tributers ...	Hiscock's Reef ...	308 0 0	0 5 9·56	83 2 18	Surface to 50 feet
One-and-All	Hiscock's and Fairweather's Reefs	1,875 0 0	0 2 18·69	260 10 6	130 to 200 feet
One-and-All (public crushings)	Various reefs ...	416 0 0	0 8 4·86	170 12 6	Surface to 100 feet
	Totals	4,702 0 0	0 3 10·24	805 12 18	
SMYTHESDALE DIVISION.					
Smythesdale Consols ...	German Reef, Smythesdale	1,957 0 0	0 2 18·61	271 11 5	200 to 250 feet
Linton	Argyle	248 0 0	0 2 13·84	31 19 0	190 feet
Bristol	Linton Ranges ...	30 0 0	0 7 6·60	10 18 6	125 feet
Happy Valley	Lucky Woman's ...	20 0 0	0 2 6	2 5 0	10 feet
Hill and party	Carngham	92 0 0	0 5 13·04	25 10 0	120 feet
Edwards and party ...	Carngham	98 0 0	0 4 18·85	23 9 0	140 feet
Stephens and party ...	Carngham	9 0 0	0 14 10·66	6 10 0	80 feet
Bowen and party ...	Carngham	5 0 0	0 0 8·40	0 1 18	20 feet
Chibnall and party ...	Madden's Flat Ranges ...	54 0 0	0 3 4	8 11 0	60 feet
Fitches and party ...	Springdallah	6 0 0	0 1 4	0 7 0	Surface
	Totals	2,519 0 0	0 3 0·62	381 2 5	
CRESWICK DIVISION.					
Port Phillip	Clunes reefs	2,343 0 0	0 7 1·04	825 3 0	100 to 990 feet
Port Phillip Tributers ...	Clunes reefs	13,718 0 0	0 6 7·16	4,320 3 0	100 to 990 feet
New North Clunes ...	Clunes reefs	425 0 0	0 8 5·26	174 13 6	230 to 1,005 feet
New North Clunes Tributers	Clunes reefs	3,169 0 0	0 5 10·96	864 13 12	230 to 1,005 feet
South Clunes	Clunes reefs	4,870 0 0	0 4 23·30	1,210 9 0	394 to 580 feet
South Clunes Tributers ...	Clunes reefs	3,563 0 0	0 5 1·03	898 9 4	394 to 580 feet
New Lothair	Clunes reefs	1,690 0 0	0 5 20·10	493 5 11	364 to 664 feet
Perseverance	Clunes reefs	868 0 0	0 5 23·41	259 7 0	50 feet
Dawes and party ...	Clunes reefs	947 0 0	0 3 10·91	163 12 0	220 feet
Working Miners ...	George's Reef... ...	440 0 0	0 5 14·55	123 6 20	50 feet
	Totals	32,033 0 0	0 5 19·85	9,333 2 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.	
GORDON SUBDIVISION.					
Black-horse United ...	Egerton	3,590 0 0	0 15 20·12	2,843 0 0	700 to 800 feet
Parker's United	Gordon	1,070 0 0	0 9 16·20	517 12 0	590 and 400 feet
Parker's United	Gordon	186 0 0	0 2 5	20 11 0	200 feet
The Egerton	Egerton	9,297 0 0	0 9 4·21	4,265 6 4	500 to 780 feet
	Totals	14,143 0 0	0 10 19·51	7,646 9 4	
STEIGLITZ SUBDIVISION.					
Domany and party ...	Elaine	20 0 0	0 2 12	2 10 0	
Mortimer and party ...	Elaine	12 0 0	0 10 11·50	6 5 18	
Domany and party ...	Elaine	10 0 0	1 1 0·60	10 10 6	
Victoria	Elaine	16 0 0	1 3 10·50	18 15 0	
Mortimer and party ...	Elaine	12 0 0	1 2 9·50	13 8 18	
Domany and party ...	Elaine	20 0 0	0 2 6·60	2 5 12	
Dunlop	Elaine	5 0 0	0 5 3·60	1 5 18	
Juno	Elaine	591 0 0	0 12 16·45	374 17 0	
Davidson's party... ...	Mount Doran	127 0 0	1 17 19·09	240 0 0	
	Totals	813 0 0	0 16 11·51	669 18 0	
BLACKWOOD DIVISION AND BLUE MOUNTAIN SOUTH SUBDIVISION.					
Sultan	Barry's Reef	1,349 0 0	0 17 21·18	1,206 3 12	
Sultan Tributers No. 1 ...	Barry's Reef	22 0 0	0 4 1·64	4 9 12	
Sultan Tributers No. 2 ...	Barry's Reef	40 0 0	0 2 13·80	5 3 0	
Sultan Tributers No. 3 ...	Barry's Reef	20 0 0	0 3 13·20	3 11 0	
North Sultan Tributers No. 1	Barry's Reef	160 0 0	0 4 12·79	36 5 6	
North Sultan Tributers No. 2	Barry's Reef	114 0 0	0 2 13·47	14 12 0	
North Sultan Tributers No. 3	Barry's Reef	49 0 0	0 4 0	9 16 0	
Mounter Bros.	Barry's Reef	20 0 0	1 4 3·60	24 3 0	
Mounter Bros. Tributers No. 1	Barry's Reef	90 0 0	0 18 12·47	83 6 18	
Mounter Bros. Tributers No. 2	Barry's Reef	65 0 0	0 4 19·20	15 12 0	
Mounter Bros. Tributers No. 3	Barry's Reef	7 0 0	0 14 9·71	5 0.20	
Sultana	Barry's Reef	31 0 0	0 2 23·23	4 12 0	
Little Wonder	Barry's Reef	10 0 0	0 4 7·20	2 3 0	
Victoria Extended Tributers	Yankee Reef	424 0 0	0 2 13·87	54 13 0	
Victoria	Yankee Reef	145 0 0	0 11 11·92	83 7 0	
North Star	Union Reef	30 0 0	0 6 8	9 10 0	
North Britain	Wright's Reef ...	260 0 0	0 4 17·65	61 11 0	
Big Hill	Simmons' Reef ...	1,400 0 0	0 1 13·99	110 16 6	
Cornish	Simmons' Reef ...	25 0 0	0 11 16 32	14 12 0	
Crown	Simmons' Reef ...	1,200 0 0	0 3 23·40	238 10 0	
	Totals	5,461 0 0	0 7 6·72	1,987 17 2	

BEECHWORTH MINING DISTRICT.

BEECHWORTH DIVISION.					
Wallaby	Hurdle Flat	100 0 0	0 10 0	50 0 0	40 feet
Sunday Reef	Three-mile Creek ...	63 0 0	3 7 13·33	212 16 0	90 feet
Reform	Myrtleford	1,839 0 0	0 13 6·69	1,221 0 0	280 feet
Nil Desperandum ...	Myrtleford	106 0 0	0 7 9·06	39 2 0	90 feet
R. Matthews	Buffalo	52 0 0	0 11 0	28 12 0	Surface
W. Matthews	Buffalo	37 0 0	0 15 0	27 15 0	36 feet
Paul Bros.	Buffalo	115 0 0	0 7 10·43	42 15 0	60 feet
Homeward-bound ...	Rocky Point	338 0 0	0 11 12·92	195 0 0	550 feet
	Totals	2,650 0 0	0 13 17·12	1,817 0 0	
YACKANDANDAH SOUTH SUBDIVISION.					
Holloway and Co. ...	Sandy Creek	16 0 0	1 5 0	20 0 0	40 feet
Crowe and Co.	Sandy Creek	18 0 0	1 9 18·66	26 16 0	Surface
Dillon and Co.	Sandy Creek	26 0 0	0 5 0	6 10 0	Surface
Briggs and Co.	Sandy Creek	10 0 0	0 10 0	5 0 0	Surface
J. C. Bigelowe	Hillsborough	208 0 0	0 6 0	62 8 0	170 feet
	Totals	278 0 0	0 8 16·40	120 14 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.	
INDIGO DIVISION.					
Pomeroy and Co.... ...	Welcome Reef ...	8 0 0	2 8 3	19 5 0	110 to 120 feet
Buchan and Co.	Eureka Reef	14 0 0	3 14 6·85	52 0 0	150 feet
Barrass and Co.	Devonshire Reef ...	88 0 0	0 17 16·09	77 15 0	80 to 100 feet
Arthur and Co.	Welcome Reef ...	27 0 0	1 4 10·66	33 0 0	110 to 120 feet
Eustace and Co.	Yellow Reef	18 0 0	1 6 5·33	23 12 0	Surface to 50 feet
Tanner and Co.	Last Chance Reef ...	32 0 0	0 14 9	23 0 0	Surface to 50 feet
New Year's Gift	Golden Bar Reef ...	34 0 0	1 1 20·47	37 3 0	80 to 100 feet
Bigby and Co.	Wallace's Gully Reef ...	11 0 0	4 0 21·81	44 10 0	Surface to 60 feet
Williams and Co. ...	Williams' Reef ...	20 0 0	2 12 12	52 10 0	80 to 110 feet
Jessup and Co.	Brady's Hill Reef ...	17 0 0	1 10 14·11	26 0 0	Surface to 60 feet
Various Cos.	Chiltern reefs	280 0 0	0 6 18·86	95 0 0	Surface to 180 feet
Various Cos.	Rutherglen reefs ...	260 0 0	0 9 0	117 0 0	Surface to 150 feet
	Totals	809 0 0	0 14 20·44	600 15 0	
BUCKLAND DIVISION.	*Harrietville.*				
Cadzow and Co.	New York Reef ...	30 0 0	0 16 16	25 0 0	25 feet
Hoskins	Rejected Reef	8 0 0	0 15 0	6 0 0	10 feet
McIntosh and Co. ...	Tower Dean Reef ...	30 0 0	0 16 16	25 0 0	12 feet
Meehan and Co.	Tower Dean No. 1 Reef	8 0 0	2 0 0	16 0 0	20 feet
Wraith and Co.	Revival Reef	24 0 0	5 4 4	125 0 0	Surface to 70 feet
Bird and Co.	Union Jack	16 0 0	5 5 15	84 10 0	Surface to 40 feet
Grenness and Co. ...	Loamer	8 0 0	0 18 18	7 10 0	Surface
Morgan and Co.	Jackass Reef	41 0 0	16 5 19·31	667 18 0	Surface to 30 feet
J. A. Wallace	Shamrock Creek ...	820 0 0	2 2 3·51	1,728 0 0	340 feet
Hanna and Co.	The Admiral	60 0 0	0 11 0	33 0 0	350 feet
	Bright.				
Bettles and Co.	The Basin	28 0 0	0 7 18·86	10 18 0	
Barnet and Co.	The Victoria Reef ...	9 0 0	3 3 8	28 10 0	
Butler and Co.	Stackey Gully	21 0 0	0 16 16	17 10 0	Surface to 100 feet
Various small parcels ...	Various	8 0 0	1 17 12	15 0 0	
	Buckland.				
Brogan and Co.	Hibernia Reef ...	50 0 0	0 12 0	30 0 0	
Morgan and Co.	Not stated	16 0 0	0 12 12	10 0 0	
Stewart and Co.	Not stated	15 0 0	1 16 0	27 0 0	
P. Radcliffe and Co. ...	Unicorn Reef	34 0 0	1 11 18·35	54 0 0	
R. Hale and Co.	... ...	9 10 0	1 6 7·58	12 10 0	
T. King and Co.	... ...	16 10 0	1 1 5·09	17 10 0	
Monaghan and Co. ...	... ...	2 0 0	1 15 0	3 10 0	
R. Clements	Welcome Reef	12 0 0	0 14 10	8 13 0	
B. Eddy and Co.	... ...	17 0 0	0 10 0	8 10 0	
Stewart and Co.	... ...	9 0 0	1 8 21·33	13 0 0	
	Totals	1,292 0 0	2 6 1·07	2,974 9 0	
WANDILIGONG SUBDIVISION.					
At Fraser's Mill:					
Londonderry	Growler's Creek, right branch	131 0 0	0 17 0	111 7 0	No particulars supplied
Williams and Co. ...	Growler's Creek, right branch	17 0 0	0 16 0	13 12 0	
Native Industry ...	Growler's Creek, Swiper's Spur	4 10 0	10 0 0	45 0 0	
Sundry Lots	Growler's Creek ...	16 0 0	0 3 0	2 8 0	
At "Never-too-Late" Mill:					
Gregory and Co. ...	Head of Morse's Creek ...	112 0 0	0 10 22·28	61 4 0	
At Gill's Mill:					
E. M. Gill	Home Reef, Growler's Creek	206 0 0	0 4 1·86	42 0 0	
Three Parcels for Public	Growler's Creek ...	40 0 0	0 15 13·20	31 2 0	
At Hood and Coutts' Mill:					
Owners	Growler's Creek ...	120 0 0	0 10 1·20	60 6 0	
Four Parcels for Public ...	Growler's Creek, right branch	39 0 0	1 3 1·84	45 0 0	
At Stephens' Mill:					
Mitchell and Murray ...	Morse's Creek, west range	126 0 0	0 15 10·66	97 6 0	
Eight other Parcels ...	Various	122 0 0	0 19 18·69	120 13 0	
At Oriental Mill:					
Bennett and Beynon ...	Oriental Reef	342 0 0	0 13 6·39	226 17 0	
Rawlings and Newton ...	Oriental Reef	24 5 0	0 18 8·41	22 5 0	
Seven other Public Parcels	Various	93 15 0	0 12 8·96	58 0 0	
	Totals	1,393 10 0	0 13 10·75	937 0 0	
ALEXANDRA SUBDIVISION.					
J. Fergusson	Britannia Reef ...	11 0 0	0 10 21·82	6 0 0	
Hewitt and party ...	Topsy Reef	5 0 0	0 19 0	4 15 0	
Lenney and Co.	No. 5 Lucky Reef ...	15 0 0	0 16 0	12 0 0	
Williams and party ...	Josephine Reef ...	3 0 0	0 9 8	1 8 0	
Galatea	Galatea Reef	6 0 0	1 0 0	6 0 0	
Just-in-Time	Gobur	114 0 0	0 10 0	57 0 0	70 feet depth; water-level, 100 feet
	Totals	154 0 0	0 11 7·63	87 3 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.					
Robt. G. Meade	Table-land, Dry Creek ...	1,366 0 0	0 4 11·17	305 0 0	
GAFFNEY'S CREEK SUBDIVISION.					
Great Eastern	Homeward-bound Reef...	25 0 0	0 5 14·40	7 0 0	About 100 feet
Lauraville	Homeward-bound Reef...	50 0 0	0 4 0	10 0 0	About 200 feet
Golden Belt	Homeward-bound Reef...	300 0 0	0 3 1·84	46 3 0	About 300 feet
Hunt's	Homeward-bound Reef...	400 0 0	0 9 12·90	190 15 12	About 120 feet
Rose of Denmark ...	Eureka Reef	300 0 0	0 6 18·72	101 14 0	About 150 feet
	Totals	1,075 0 0	0 6 14·79	355 12 12	
WOOD'S POINT SUBDIVISION.					
Messrs Knopp and Moore...	Leviathan Reef ...	100 0 0	2 6 4·80	231 0 0	Surface to 100 feet
Leviathan Extended ...	Leviathan Reef ...	5 0 0	1 1 20	5 9 4	Surface to 100 feet
Lady Franklin	Johnson's Reef ...	1,000 0 0	0 7 5·21	360 17 0	100 to 150 feet
Sir John Franklin (Revival Tribute)	Ford's Reef	500 0 0	0 8 6·16	206 8 7	70 to 100 feet
Sycamore	Sycamore Reef ...	375 0 0	0 1 20·09	34 8 22	100 feet
Bismarck	Bismarck Reef ...	10 0 0	0 6 19·20	3 8 0	60 feet
Axton and Walsh ...	Morning Star Reef ...	400 0 0	0 3 3·48	62 18 0	Debris of reefs
Morning Star Prospecting (Tribute)	Morning Star Reef ...	1,500 0 0	0 2 10·75	183 12 0	Debris of reefs
Prince of Wales (Tribute)	All Nations Reef ...	150 0 0	0 6 9·60	48 0 0	120 feet
	Totals	4,040 0 0	0 5 14·97	1,136 1 9	
BIG RIVER SUBDIVISION.					
Luck's All (Tributers) ...	Warner's Reef ...	450 0 0	0 0 20·27	19 0 0	About 200 feet
Londonderry	Railway Reef	250 0 0	0 3 0·96	38 0 0	About 200 feet
	Totals	700 0 0	0 1 15·08	57 0 0	
MITTA MITTA NORTH SUBDIVISION.					
Rhodes and Co.	Excelsior	20 0 0	0 6 0	6 0 0	115 feet
Rhodes and Co.	Golden Ball	76 0 0	0 12 2·52	46 0 0	40 feet
Harper and Lee ...	Rose of England ...	35 0 0	0 3 17·14	6 10 0	
Flagstaff Tribute... ...	Flagstaff Hill	105 0 0	1 0 11·66	107 11 0	
Leighton and Co. ...	Gift Line	12 0 0	0 13 8	8 0 0	
Graham	Bethanga Line ...	20 0 0	1 0 8	20 15 0	
Clough and Co.	Bethanga Line ...	23 0 0	1 13 21·91	39 0 0	
Cornish and Co.	Hamburg Line ...	70 0 0	0 8 14·40	30 2 0	
McCrae and Co.	Bethanga Line ...	40 0 0	2 2 12	85 0 0	90 feet
Thin and Co.	Bethanga Line ...	20 0 0	1 6 18	26 15 0	
McCrae and Co.	Bethanga Line ...	20 0 0	1 16 0	36 0 0	
Dent and Co.	Gift Line	4 0 0	2 0 0	8 0 0	
Cornish and Co.	Hamburg	85 0 0	0 4 17·51	20 2 0	
Philps' Excelsior... ...	Excelsior	9 0 0	0 4 10·67	2 0 0	
	Totals	539 0 0	0 16 9·39	441 15 0	
JAMIESON SUBDIVISION.					
Gleeson's lease	Sailor Bill's Creek ...	100 0 0	0 15 19·20	79 0 0	380 feet
Venture	Mack's Creek	280 0 0	0 9 12·86	133 10 0	150 feet
Sailor Bill's	Sailor Bill's Creek ...	523 0 0	0 5 19·50	152 0 0	400 feet
	Totals	903 0 0	0 8 1·75	364 10 0	

SANDHURST MINING DISTRICT.

SANDHURST DIVISION.					
Beehive	Eaglehawk	4,680 0 0	0 5 0·15	1,171 10 0	Mixed lots from various reefs, *see* page 30.
Bendigo and Melbourne ...	Kangaroo Flat ...	1,736 0 0	0 11 2·35	963 6 1	
Catherine Reef United ...	Eaglehawk	3,044 0 0	0 8 3·22	1,238 1 12	
Fortuna and Thanet Works	Sandhurst	5,816 0 0	0 6 7·26	1,832 15 0	
Garden Gully United ...	Garden Gully Reef ...	4,435 0 0	2 0 19·58	9,050 19 0	
G. G. Consolidated ...	Golden Gully	1,012 0 0	0 7 7·83	370 14 12	
Great Extended Hustler's	Hustler's Reef ...	4,108 0 0	0 7 2·74	1,461 5 0	
Great Britain	Golden Square ...	2,480 0 0	0 6 9·69	794 2 0	
Hercules and Energetic ...	Victoria Reef	3,598 0 0	0 7 20·94	1,416 6 0	
Johnson's Reef	California Gully ...	5,268 0 0	0 4 5·91	1,118 9 12	
Lazarus	New-Chum Gully ...	2,990 0 0	0 14 20·35	2,219 16 0	
Louisa	Devonshire Gully ...	3,806 0 0	0 8 3·80	1,552 12 0	
Metropolitan	Golden Square ...	2,829 0 0	0 5 9·73	764 12 0	
Morning Light	Golden Gully... ...	1,414 0 0	0 2 19·95	200 3 18	
New-Chum and Victoria ...	New-Chum Reef ...	5,502 0 0	0 13 15·99	3,758 10 0	
New-Chum United ...	New-Chum Reef ...	2,557 0 0	0 8 11·83	1,085 17 0	
New Nelson	California Gully ...	2,764 0 0	0 13 7·12	1,837 12 0	
Old Tom	Whipstick	204 0 0	0 6 5·76	63 13 0	
Shenandoah	Golden Square ...	2,777 0 0	0 6 23·01	966 4 16	
Victoria Consols	Victoria Reef	5,299 0 0	0 5 23·90	1,588 13 0	
Victoria Reef	Victoria Reef	4,502 0 0	0 8 17·85	1,968 6 0	
Wallace Reef	Whipstick	269 0 0	0 8 10·48	113 9 12	
	Totals	71,090 0 0	0 9 23·94	35,536 17 11	

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.
HEATHCOTE DIVISION AND WARANGA SOUTH SUBDIVISION.		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
Alabama & Buller's Reef ...	Caledonia Gully ...	900 0 0	1 0 0	900 0 0	385 feet
Allison and Co.	Costerfield	200 0 0	0 17 4·80	172 0 0	200 to 345 feet
Collins and Co.	Redcastle	103 0 0	0 10 1·02	51 14 9	
	Totals	1,203 0 0	0 18 16·36	1,123 14 9	
WARANGA NORTH SUBDIVISION.					
Forlorn Hope	Rushworth	10 0 0	1 16 0	18 0 0	100 feet
Hope of Denmark ...	Rushworth	2 0 0	0 15 0	1 10 0	60 feet
Canadian	Rushworth	11 0 0	4 1 10·36	44 15 18	30 feet
Try Again	Rushworth	5 0 0	1 8 0	7 0 0	120 feet
Phœnix	Rushworth	47 0 0	1 6 23·49	63 8 0	15 feet
Chinaman's Hill	Rushworth	3 0 0	1 2 16	3 8 0	12 feet
Lost Bullock	Rushworth	5 0 0	0 16 4·80	4 1 0	10 feet
Erin-go-bragh	Rushworth	7 0 0	6 14 6·85	47 0 0	160 feet
West Growlers	Rushworth	20 0 0	0 2 0	2 0 0	200 feet
Berg and Co.	Rushworth	4 0 0	0 8 19	1 15 4	
Good Luck	Rushworth	50 0 0	0 15 0	37 10 0	120 feet
Never-can-tell	Rushworth	10 0 0	0 4 4	42 0 0	15 feet
Keogh and Co.	Rushworth	19 0 0	0 18 22·73	18 0 0	70 feet
Balaclava	Whroo	798 0 0	0 5 18·09	229 11 12	150 to 200 feet
U and F	Whroo	20 0 0	0 4 8·40	4 7 0	180 feet
Spaniard	Whroo	14 0 0	0 6 1·71	4 5 0	20 feet
Belle Alliance	White Hills	99 0 0	1 1 0·24	104 0 0	160 feet
Welsh and Co.	White Hills	12 0 0	0 9 14	5 15 0	
Feypel and Co.	Coy's Diggings ...	7 0 0	0 7 18·85	2 14 12	
Black Cloud	Coy's Diggings ...	105 0 0	0 19 8	101 10 0	200 feet
Whistler's	Coy's Diggings ...	25 0 0	5 12 23·04	141 4 0	100 feet
Stewart and Co.	Spring Creek	4 0 0	1 15 6	7 1 0	
Sinnett and Co.	Waranga	7 0 0	0 13 0	4 11 0	
New Confidence	... ...	8 0 0	0 4 3	1 13 0	
White Cloud	White Hills	22 0 0	0 3 14·73	3 19 12	180 feet
	Totals... ...	1,314 0 0	0 13 17·12	900 19 10	

MARYBOROUGH MINING DISTRICT.

MARYBOROUGH DIVISION.					
Bristol Hill	West shaft	310 0 0	0 10 3·90	157 10 9	350 and 500 feet
Bristol Hill	East Reef	43 0 0	0 6 4·74	13 6 12	80 feet
Cambrian	Mosquito	44 0 0	0 7 17·45	17 0 0	
Cambrian (public crushings)	Various places ...	981 0 0	0 14 6·45	699 17 21	Various
Alexandra Tribute (crushed by Penny and Clausen)	Mosquito	224 0 0	0 14 10·17	161 11 0	210 feet
Penny and Clausen (public crushings)	Mosquito	139 0 0	0 8 11·07	56 4 0	Various
James Kay Reade (public crushings)	Various places ...	274 0 0	0 11 3·96	152 19 6	Various
Mariner's Reef	Battery Point... ...	126 0 0	0 4 0	25 4 0	250 feet
	Totals	2,141 0 0	0 11 23·78	1,283 13 0	
AMHERST DIVISION.					
Croydon	Laura Reef	480 0 0	0 5 7·35	127 7 0	Surface to 75 feet
South Croydon	Laura Reef	243 0 0	0 2 11·27	30 0 3	Surface to 20 feet
Dominee and Co.... ...	No. 1 North Laura Reef	320 0 0	0 1 21·68	30 9 3	75 to 100 feet
Coker and Co.	London Hill Reef ...	182 0 0	0 1 21·51	17 5 3	40 feet
Busch and Co.	Prince of Wales Reef ...	19 0 0	0 8 21·89	8 9 9	80 feet
Sundries	Various	416 0 0	0 2 2·03	43 7 6	
	Totals	1,660 0 0	0 3 2·28	256 18 0	
DUNOLLY AND TARNAGULLA DIVISIONS.					
Queen's Birthday ...	Goldsborough (Bealiba Reef)	3,597 0 0	1 7 19·91	5,005 4 0	300 to 400 feet
Various Reefs	Tarnagulla	132 0 0	0 4 8·68	28 15 18	10 to 100 feet
	Totals	3,729 0 0	1 6 23·97	5,033 19 18	
INGLEWOOD DIVISION.					
Fone's Gold Mining ...	Liliputian Reef, Burke's Flat	1,600 0 0	0 8 0	640 0 0	
Little Gem Gold Mining Tribute	Jersey Reef, Inglewood	48 0 0	0 5 0	10 16 0	
	Totals	1,648 0 0	0 7 21·54	650 16 0	
ST. ARNAUD SOUTH SUBDIVISION.					
Greenock Reef	Stuartmill	200 0 0	0 10 0	100 0 0	280 feet

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.	
CASTLEMAINE MINING DISTRICT.					
CASTLEMAINE DIVISION.					
Central	Wattle Gully ...	1,178 0 0	0 5 22·75	350 6 18	350 feet
Wattle Gully	Wattle Gully ...	218 0 0	0 6 2·91	66 14 12	460 feet
Eureka Consols	Eureka Reef ...	467 0 0	0 8 2	188 14 22	480 feet
Forest Creek Crushing ...	Various	268 0 0	0 9 12·17	127 8 0	Various
Argus United	Argus Flat	633 0 0	0 9 20·20	311 10 0	125 feet
Evans and others ...	Donkey Gully... ...	196 0 0	0 8 0	78 8 6	Various
Sebastopol Crushing ...	Sebastopol Reef ...	344 0 0	0 2 14·20	44 11 12	200 feet
McWalters and Co. ...	Burns Reef	24 0 0	1 13 18·37	40 10 9	50 feet
	Totals	3,328 0 0	0 7 6·26	1,208 4 7	
FRYER'S CREEK DIVISION.					
Perseverance	Cattle's Reef	120 0 0	0 6 16	40 0 0	130 feet
The Ferron's Reef ...	Ferron's Reef	4,581 0 0	0 3 20·40	881 17 0	130 to 380 feet
Black Hawk	Cattle's Reef	5 0 0	1 12 14·40	8 3 0	320 feet
The Fryers	Cattle's Reef	32 0 0	0 5 11·25	8 15 0	180 to 200 feet
Duke and Duchess United	Ferron's Reef ...	200 0 0	0 7 7·20	73 0 0	340 feet
Rowe Brothers	Cattle's Reef	816 0 0	0 9 17·82	397 10 0	130 to 190 feet
Cattle's Reef	Cattle's Reef	44 0 0	0 1 21·81	4 4 0	50 feet
Redhouse and White ...	Ferron's Reef	20 0 0	0 6 0	6 0 0	40 to 50 feet
L. Williamson and Co. ...	Commissioner's Hill ...	4 0 0	1 3 6	4 13 0	From surface
Anglo-Australian ...	Heron's Reef	420 0 0	0 2 20·05	59 11 0	420 feet
L. Williamson	Commissioner's Hill ...	55 0 0	0 2 12	6 17 12	12 to 14 feet
McDonald and Wilson ...	German Gully ...	10 0 0	0 5 0	2 10 0	70 to 80 feet
	Totals	6,307 0 0	0 4 17·63	1,493 0 12	
HEPBURN DIVISION.					
Specimen Hill	Specimen Hill ...	456 0 0	0 1 22·31	44 0 0	
Rising Star	Frenchman's Reef ...	650 0 0	0 18 13·51	603 6 2	15 to 50 feet
Keep-it-Dark S.	Keep-it-Dark	330 0 0	1 6 13·09	438 0 0	100 feet
Cornish	Cornish Reef	1,260 0 0	0 4 4·58	264 0 16	Surface to 520 feet
New North Cornish ...	Crown Reef	297 0 0	0 5 17·18	84 17 16	Surface to 250 feet
Argus	Sandstone Reef ...	586 0 0	0 3 23·82	116 19 14	Surface to 156 feet
King and Willard ...	Willard's Reef ...	63 0 0	0 11 0	34 13 0	100 feet
Panharm	Pitcher's Reef ...	60 0 0	0 4 0	12 0 0	120 feet
Prospectors, Ajax, &c. ...	Hepburn Reef ...	600 0 0	0 5 0·20	150 5 0	Shallow
Walker's	Keep-it-Dark	6 0 0	3 6 16	20 0 0	40 feet
	Totals	4,308 0 0	0 8 5	1,768 2 0	
TARADALE AND KYNETON SUBDIVISION.					
United Kingdom	Taradale	900 0 0	0 5 0	225 0 0	
Victoria	Taradale	250 0 0	0 4 0	50 0 0	
Trafalgar	Taradale	800 0 0	0 3 0	120 0 0	
	Totals	1,950 0 0	0 4 1·23	395 0 0	
TARRANGOWER DIVISION.					
Caledonian Mills	Parkins' and Eaglehawk Reefs	1,129 0 0	0 8 21·04	501 2 0	100 to 400 feet
Phœnix Mills	Beehive, Eaglehawk, Victoria, Excelsior, Charcoal, Swiper's, Nelson, and Maybon Reefs	768 0 0	0 5 10·79	209 5 12	30 to 180 feet
Linscott's Mills	Linscott's, Nuggety, Charcoal, Ladies', Eaglehawk, and Maybon Reefs	360 0 0	0 13 17	246 15 0	100 to 550 feet
Eaglehawk Union ...	Eaglehawk Reef ...	500 0 0	0 11 0·62	275 13 0	400 to 600 feet
Great Western	Beehive Reef	127 0 0	0 6 7·65	40 2 12	Surface to 140 feet
Bell's Reef	Bell's Reef	32 0 0	0 5 9	8 12 0	30 to 100 feet
	Totals	2,916 0 0	0 8 18·94	1,281 10 0	
ST. ANDREW'S DIVISION.					
Apted and Co.	Pioneer	18 10 0	1 19 18·81	36 16 0	180 feet
Hirt and Co.	You-You	5 0 0	1 19 3·60	9 15 18	50 feet
Adams and Co.	Oram's	6 10 0	1 1 9·23	6 19 0	200 feet
Longley and Co.	Oram's	2 0 0	4 5 0	8 10 0	240 feet
Plunket	Panton Hill	8 0 0	1 6 12	10 12 0	14 feet
Haley and Co.	Diamond Reefs ...	1 10 0	4 6 16	6 10 0	110 feet
Young Australian ...	Warrandyte	2 10 0	0 10 0	1 5 0	40 feet
Valentine Lenz	Warrandyte	16 0 0	0 4 15	3 14 0	65 feet
Central	Reefton	35 0 0	2 9 15·32	86 17 8	
Reefton	Reefton	47 0 0	0 16 16·85	39 5 0	
	Totals	142 0 0	1 9 14·55	210 4 2	

QUANTITY of QUARTZ Crushed in each Division and Subdivision during the Quarter, &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.	
ARARAT MINING DISTRICT.					
PLEASANT CREEK DIVISION.					
Wimmera	Stawell reefs	4,472 0 0	1 0 2	4,490 12 11	200 to 1,000 feet
Pioneer and Galatea ...	Stawell reefs	4,089 0 0	0 12 12·72	2,561 15 2	200 to 1,100 feet
New St. George	Stawell reefs	3,154 0 0	0 17 21·47	2,822 0 0	480 to 1,110 feet
Moonlight	Stawell reefs	3,666 0 0	0 14 14·27	2,675 4 12	300 to 850 feet
Scotchman's	Stawell reefs	3,197 10 0	0 10 6·76	1,643 14 23	410 to 1,120 feet
Wonga and Birmingham ...	Stawell reefs	1,334 0 0	0 2 4·92	147 1 11	24 to 70 feet
	Totals	19,912 10 0	0 14 9·68	14,340 8 11	
GIPPSLAND MINING DISTRICT.					
CROOKED RIVER DIVISION.					
Hubbard and Smith ...	New America Reef ...	50 0 0	0 3 10·08	8 11 0	20 to 60 feet
JERICHO DIVISION.					
Harbinger	Dry Creek	350 0 0	0 3 19·88	67 0 0	
DONNELLY'S CREEK DIVISION.					
Florence	Crinoline Reef ...	100 0 0	0 1 12	7 10 0	Adit level
Bismarck United... ...	Stopes	200 0 0	1 15 9·60	354 0 0	Adit level
Gippsland Consols ...	Stopes	955 0 0	0 5 12·19	263 0 0	Adit level
	Totals	1,255 0 0	0 9 22·85	624 10 0	
STRINGER'S CREEK DIVISION.					
Long Tunnel	Cohen's Reef	5,828 0 0	1 7 16·72	8,070 16 0	
Walhalla	Cohen's Reef	3,820 0 0	0 12 4·48	2,327 14 0	
	Totals	9,648 0 0	1 1 13·34	10,398 10 0	
ABERFELDY SUBDIVISION.					
Jas. Rice's Lease... ...	Aberfeldy	430 0 0	0 11 10·27	245 14 0	60 to 150 feet; depth of water-level 60 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.					
Sundry parcels from co-operative parties	Ballarat East	4,000 0 0	0 1 12	300 0 0	
Ditto	Ballarat East	100 0 0	0 1 9·60	7 0 0	
	Totals	4,100 0 0	0 1 11·94	307 0 0	
SMYTHESDALE DIVISION.					
Marks and Son	Carngham	376 0 0	0 1 19·30	33 18 0	Surface
BEECHWORTH MINING DISTRICT.					
WANDILIGONG SUBDIVISION.					
Carlile and Co.	Birthday Reef ...	110 0 0	0 4 4·36	23 0 0	
London	London Reef	96 0 0	0 6 0	28 16 0	
	Totals	206 0 0	0 5 0·79	51 16 0	
SANDHURST MINING DISTRICT.					
SANDHURST DIVISION.					
Johnson's Reef	California Gully ...	1,367 0 0	0 0 20	56 19 0	
HEATHCOTE DIVISION AND WARANGA SOUTH SUBDIVISION.					
Collins	Redcastle	60 0 0	0 1 3·20	3 8 0	
MARYBOROUGH MINING DISTRICT.					
MARYBOROUGH DIVISION.					
James Kay Reade ...	Various	1,365 0 0	0 4 12	307 2 12	Various
Noell and Co.	Mariner's Reef ...	540 0 0	0 1 0	27 0 0	17 feet
	Totals	1,905 0 0	0 3 12·18	334 2 12	
AMHERST DIVISION.					
T. Bartlemore	Various	700 0 0	0 2 4·80	77 0 0	
ST. ARNAUD SOUTH SUBDIVISION.					
Greenock Reef ...	Stuart Mill	100 0 0	0 8 0	40 0 0	280 feet
ST. ARNAUD NORTH SUBDIVISION.					
Pyrites	Sandhurst and St. Arnaud Chrysolite Tribute	1,050 0 0	0 1 17·87	91 12 0	From 300 to 600 feet.
CASTLEMAINE MINING DISTRICT.					
CASTLEMAINE DIVISION.					
Davies and Co.	Nimrod	730 0 0	0 1 16·88	62 3 12	Surface
TARRANGOWER DIVISION.					
Phœnix Mills	German Gully ...	660 0 0	0 0 14·32	19 14 0	Surface

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	Gum-tree Flat ...	7 10 0	1 8 22·40	10 17 0	
CRESWICK DIVISION.					
Port Phillip	Clunes reefs	90 0 0	5 10 16	498 0 0	
New North Clunes ...	Clunes reefs	28 5 0	5 15 1·06	162 10 0	
South Clunes	Clunes reefs	54 10 0	5 0 10·56	273 14 0	
South Clunes Tributers ...	Clunes reefs	4 0 0	3 17 6	15 9 0	
New Lothair	Clunes reefs	3 5 0	2 8 0	7 16 0	
	Totals	180 0 0	5 6 9·20	957 9 0	
STEIGLITZ SUBDIVISION.					
McKay and Co.	Elaine	83 0 0	1 ·8 10·41	118 0 0	
BLACKWOOD DIVISION AND BLUE MOUNTAIN SOUTH SUBDIVISION.					
Sultan	Barry's Reef ...	3 0 0	4 6 0	12 18 0	
BEECHWORTH MINING DISTRICT.					
BEECHWORTH DIVISION.					
Reform	Myrtleford	25 0 0	1 9 2·88	36 8 0	
Homeward-bound ...	Hillsborough	5 0 0	2 1 14·40	10 8 0	
Waterloo	Barwidgee	3 0 0	1 13 8	5 0 0	
	Totals	33 0 0	1 11 9·45	51 16 0	
YACKANDANDAH SOUTH SUBDIVISION.					
J. C. Bigelowe	Hillsborough	20 0 0	0 12 0	12 0 0	
J. C. Bigelowe	Bruarong	16 0 0	1 15 0	28 0 0	
Bathan and Co.	Bruarong	5 0 0	0 13 4·80	3 6 0	
	Totals	41 0 0	1 1 2·93	43 6 0	
WANDILIGONG SUBDIVISION.					
At Gill's Mill :					
E. M. Gill	Various	10 0 0	1 6 0	13 0 0	
J. Hewitson	Various	24 0 0	0 10 3	12 3 0	
	Totals	34 0 0	0 14 19·06	25 3 0	
GAFFNEY'S CREEK SUBDIVISION.					
The A1 G. M.	Castle Reef	10 0 0	1 2 19·60	11 8 4	
SANDHURST MINING DISTRICT.					
SANDHURST DIVISION.					
United Pyrites ...	... ...	144 0 0	6 12 8·66	953 0 0	Gold worth from £4 3s. 8½d. to £4 3s. 11½d.
R. J. Liddle and Co. ...	Derwent Gully ...	158 0 0	3 3 23·77	505 10 12	
Sandhurst and Eaglehawk P.	Jackass Flat	198 0 0	1 19 23·52	395 16 0	
Spargo Bros.	Great Western Gully ...	191 0 0	1 12 5·40	307 15 0	
	Totals	691 0 0	3 2 13·87	2,162 1 12	
CASTLEMAINE MINING DISTRICT.					
CASTLEMAINE DIVISION.					
Eureka Consols	Eureka Reef	3 0 0	6 2 16	18 8 0	
Yeats and Co.	Castlemaine	68 0 0	2 0 0	136 0 0	
	Totals	71 0 0	2 3 11·83	154 8 0	
HEPBURN DIVISION.					
Pyrites	Daylesford	9 0 0	2 0 0	*18 0 0	* Estimated
Liddle and Co.	Daylesford	13 0 0	2 0 0	*26 0 0	
	Totals	22 0 0	2 0 0	*44 0 0	
GIPPSLAND MINING DISTRICT.					
STRINGER'S CREEK DIVISION.					
Long Tunnel	Cohen's Reef	63 6 0	3 1 8·41	194 3 12	
Walhalla	Cohen's Reef	30 0 0	2 0 14·40	60 18 0	
	Totals	93 6 0	2 14 16·28	255 1 12	

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 ...	9,320 0 0	0 2 18·49	1,291 3 21	Ballarat ...	280 0 0	0 3 22·26	54 19 18
Beechworth ...	21,168 0 0	0 0 15	661 10 0	Beechworth ...	...	...	...
Sandhurst ...	...	...	...	Sandhurst ...	...	...	...
Maryborough ...	5,525 0 0	0 2 19·03	771 12 18	Maryborough ...	...	...	...
Castlemaine ...	112,196 0 0	0 0 19·89	4,651 2 10	Castlemaine ...	110 0 0	0 9 12·87	52 9 0
Ararat ...	4,500 0 0	0 2 16·16	601 11 0	Ararat ...	4,032 10 0	0 5 4·53	1,046 3 19
Gippsland ...	...	...	...	Gippsland ...	...	...	...
Totals ...	152,709 0 0	0 1 1·07	7,977 0 1	Totals ...	4,422 10 0	0 5 5·21	1,153 12 13

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, 16th October 1878.

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, Ballarat West	6,624 0 0	0 2 13·02	842 5 0	405 feet; average thickness of washdirt from 1 foot to 6 feet
SOUTHERN DIVISION.					
Turner and party ...	Break-o'-Day	1,930 0 0	0 3 4·21	306 9 7	40 to 60 ft., 3 ft. thick
Grant and party	Break-o'-Day	456 0 0	0 2 5·50	50 16 16	14 feet, 2 feet thick
Welcome	Pitfield Plains ...	215 0 0	0 5 10·40	58 8 6	80 feet
Doughboy	Pitfield Plains ...	105 0 0	0 6 7·92	33 4 16	70 ft., 1 ft. 6 in. thick
	Totals	2,706 0 0	0 3 7·63	448 18 21	
BEECHWORTH MINING DISTRICT.					
BEECHWORTH DIVISION.					
United Eldorado	Eldorado	21,168 0 0	0 0 15	661 10 0	90 feet floor, and 12 tons 6 cwt. of black sand
MARYBOROUGH MINING DISTRICT.					
MARYBOROUGH DIVISION.					
Gladstone	Alma	570 0 0	0 3 18·10	107 0 0	
Seaham	Alma	560 0 0	0 6 10·67	180 9 0	
Argus	Chinaman's Flat ...	480 0 0	0 4 19	115 0 0	
	Totals	1,610 0 0	0 4 23·98	402 9 0	
AMHERST DIVISION.					
Hoffnung	Mount Greenock South	685 0 0	0 2 3·51	73 10 9	100 feet
Union	Mount Greenock South	2,508 0 0	0 1 8·48	169 13 9	250 feet
	Total	3,193 0 0	0 1 12·57	243 3 18	

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.	
DUNOLLY AND TARNAGULLA DIVISIONS.					
Boyd's Freehold	South Dunolly ...	400 0 0	0 2 0	40 0 0	60 to 70 feet
Watson's Freehold ...	South Dunolly ...	300 0 0	0 5 0	75 0 0	60 to 65 feet
	Totals	700 0 0	0 3 6·85	115 0 0	
INGLEWOOD DIVISION.					
Golden Gate Tribute ...	Daly Lead	22 0 0	0 10 0	11 0 0	

CASTLEMAINE MINING DISTRICT.

FRYER'S CREEK DIVISION.					
Mein's Freehold	Guildford	1,776 0 0	0 4 17·29	419 4 0	200 feet
Ellis and Co.	Church's Flat	2,600 0 0	0 0 7·20	39 0 0	14 feet
Parsons and Co.	Horseshoe Bend ...	2,600 0 0	0 0 16·80	91 0 0	15 feet
Tonkin and Co	Chok'em Flat ...	3,000 0 0	0 0 6·24	39 0 0	16 feet
Williams and Co. ...	New Year's Flat ...	1,950 0 0	0 0 6·40	26 0 0	20 feet
Stevens and Co.	New Year's Flat ...	650 0 0	0 0 19·20	26 0 0	20 feet
Brewer and Co.	New Year's Flat ...	650 0 0	0 0 9·60	13 0 0	16 feet
Trethewey and Co. ...	New Year's Flat ...	2,000 0 0	0 0 6·24	26 0 0	17 feet
Thomas and Co.	Bald Hill	700 0 0	0 0 12	17 10 0	100 feet
Vosti and Co.	German Gully ...	2,600 0 0	0 0 4·80	26 0 0	15 feet
T. Pearson	German Gully ...	60 0 0	0 0 6	0 15 0	Surfacing
Thomas and Co.	Spring Gully	2,600 0 0	0 0 7·20	39 0 0	10 to 12 feet
	Totals	21,186 0 0	0 0 17·27	762 9 0	
HEPBURN DIVISION.					
Sailor Prince	Deep Creek	819 0 0	0 4 12·61	185 6 12	300 feet
Various (5)	Shepherd's Flat* ...	500 0 0	0 4 3·84	104 0 0	40 feet
Franklinford	Franklinford* ...	1,000 0 0	0 3 15·56	182 8 5	110 feet
Young's and Power's parties	Table Hill	730 0 0	0 0 14·07	21 8 0	50 feet
Thorp's, Mawby's, Merrit's, Campbell's, Yuill's, Baker's, Black's, and Cameron's parties	Kidd's and neighboring gullies	5,140 0 0	0 0 8·15	87 6 0	7 to 30 feet
Roberi's, Foletti's, Fillipini's, Rostruan's, and Mathieson's parties	Stony Creek and environs	5,400 0 0	0 0 12·93	145 9 0	to 90 feet
Foletti	Cameron's Gully ...	930 0 0	0 0 18·73	36 6 0	8 feet
Anderson's and Higgs' parties	Boots Gully	1,490 0 0	0 0 8·37	26 0 0	to 13 feet
Milesi's and Mathieson's parties	Sailor's Creek ...	1,220 0 0	0 0 9·99	25 8 0	15 feet
Long Tunnel	Italian Hill	228 0 0	0 0 3	34 4 0	180 feet
Spencer's, Cashen's, and two other parties	Wombat Creek ...	760 0 0	0 0 15·78	25 0 0	8 feet
Federal Tunnel	Wombat Creek ...	975 0 0	0 0 12·06	24 10 0	175 feet
Brow	Italian Hill	480 0 0	0 0 14·35	14 7 0	
Calancini's, Bullee's, and other parties	Elevated Plains ...	896 0 0	0 0 10·04	18 15 0	80 to 90 feet
300 Chinese	All Hepburn Division ...	17,750 0 0	0 1 0*	887 10 0	Shallow
European parties	All Hepburn Division ...	10,000 0 0	0 1 0*	500 0 0	Shallow
Black's and Rainer's parties	Spring Creek	565 0 0	0 1 12·44	42 18 0	70 feet
	Totals	48,883 0 0	0 0 23·18	2,360 15 17	
TARRANGOWER DIVISION.					
Bowe and Co.	Blackie's Hill	453 0 0	0 0 9·36	8 16 17	25 feet
Abram Grigg	Pegleg Gully	700 0 0	0 0 12	17 10 0	15 feet
Robt. Grigg	Porcupine Flat ...	390 0 0	0 0 20	16 5 0	40 feet
John Knight	... ...	325 0 0	0 0 19·20	13 0 0	20 feet
Joseph Gibbs	Eaglehawk	1,950 0 0	0 0 8·80	35 15 0	12 feet
	Totals	3,818 0 0	0 0 11·45	91 6 17	
ST. ANDREW'S DIVISION.					
Grant and Co.	Warrandyte	9 0 0	0 2 13·33	1 3 0	(Diorite) 60 feet
Union Lead Hydraulic ...	Hoddle's Creek ...	300 0 0	0 2 8·64	35 8 0	200 feet
European miners (approximate)	Various	30,000 0 0	0 0 19·20	1,200 0 0	10 to 30 feet
Chinese miners (approximate)	Queenstown, Back Creek, Wild Dog	8,000 0 0	0 0 12	200 0 0	10 to 16 feet
		38,309 0 0	0 0 18	1,436 11 0	

* Estimated.

ARARAT MINING DISTRICT.

RAGLAN DIVISION.					
The New Victoria ...	Waterloo Flat ...	About 4,500 0 0	0 2 16·16	601 11 0	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 New Kangaroo Company's Battery	Kangaroo Flat ...	90 0 0	0 2 2·20	9 8 6	50 to 65 feet
SMYTHESDALE DIVISION.					
Murphy and Drury ...	Dreamer's Hill ...	20 0 0	0 7 12	7 10 0	70 feet
Eccels Woods	Dreamer's Hill ...	6 0 0	0 3 0	0 18 0	20 feet
Gillies and Co.	Dreamer's Hill ...	4 0 0	0 1 3	0 4 12	10 feet
	Totals	30 0 0	0 5 18	8 12 12	
BLACKWOOD DIVISION AND BLUE MOUNTAIN SOUTH SUBDIVISION.					
All Nations	Yankee Hill	160 0 0	0 4 14·85	36 19 0	
CASTLEMAINE MINING DISTRICT.					
FRYER'S CREEK DIVISION.					
Thomas and Co.	Bald Hill	100 0 0	0 10 0	50 0 0	100 feet
TARRANGOWER DIVISION.					
Linscott's Mills	... ...	10 0 0	0 4 21·60	2 9 0	
ARARAT MINING DISTRICT.					
PLEASANT CREEK DIVISION.					
Band of Hope	Deep Lead	1,444 0 0	0 3 23·96	288 14 13	
North and South Wales ...	Deep Lead	2,588 10 0	0 5 20·46	757 9 6	
	Totals	4,032 10 0	0 5 4·53	1,046 3 19	

NUMBER AND DISTRIBUTION OF MINERS ON THE GOLDFIELDS OF THE COLONY, FOR THE QUARTER ENDED 30TH SEPTEMBER 1878.

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

Name of Place.	No.	Total.
BALLARAT DISTRICT.		
Central Division:		
Ballarat West and Sebastopol ...	415	
Ballarat East	930	
Little Bendigo and Dead-horse ...	260	
Sago and Bunker's Hill	20	
White-horse and Canadian	540	
		2,165
Southern Division:		
Long Gully	10	
Staffordshire Reef	80	
Italian Gully	15	
Splitters' Gully	4	
Kangaroo	100	
Moonlight	10	
Bulldog	55	
Rokewood Junction	50	
Mount Misery	290	
Jackson's Gully	10	
Yankee Hill	15	
Grassy Gully	30	
Spring Creek	11	
Sawpit Gully	10	
Whim Holes	25	
Hard Hills	30	
Frenchman's	25	
Pinchgut	30	
Break-o'-Day	80	
Western Creek	80	
		960
Buninyong Division:		
Durham and tributaries	50	
Green Hills and Devonshire ...	20	
Scotchman's and Hard Hills ...	90	
Buninyong and Union Jack ...	10	
Hiscock's and Fairweather Reefs ...	140	
Winter's Flat and Cobbler's ...	120	
Black Lead and Gum-tree	40	
Napoleon, Kitty's Ranges, and Gympie	30	
Prospecting and isolated parties ...	40	
Grenville	10	
Magpie Ranges	30	
		580
Smythesdale Division:		
Smythesdale	80	
Scarsdale and Newtown	150	
Cape Clear	25	
Brown's	25	
Italian Gully	5	
Derwent Jack's	50	
Piggoreet	30	
Bottle Hill	35	
Snake Valley and Hard Hills ...	90	
Happy Valley and Lucky Woman's ...	145	
Haddon	640	
Golden Lake	5	
Madden's Flat	10	
Linton's	160	
Monkey Gully	7	
Moonlight	10	
Preston Hill	30	
		1,497
Creswick Division:		
Creswick	50	
Clunes	900	
Springhill	480	
Red Streak	50	
Union Hill	10	
Longpoint	20	
Diamond Gully	10	
Cobbler's Gully	15	
Bald Hills	10	
Sulky Gully	10	
Slaty Creek	40	
Mopoke	20	
Humbug Hill	40	
Portuguese Flat	40	
Back Creek	15	
Bullarook	40	
		1,750
Carried forward	...	6,952

Name of Place.	No.	Total.
Brought forward	...	6,952
Gordon Subdivision:		
Egerton	358	
Gordon	60	
Moorabool	15	
		433
Steiglitz Subdivision:		
Steiglitz	36	
Morrison's	50	
Dolly's Creek	13	
Elaine	85	
Mount Doran	22	
Little Forest	14	
		220
Blackwood Division and Blue Mountain South Subdivision:		
Golden Point	90	
Red Hill	50	
Barry's Reef and Split-tree	200	
Yankee Reef and Creek	85	
Simmons' Reef	55	
Sebastopol and Lower Lerderderg ...	80	
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 ...	40	
Maher's Hill	10	
		730
Ballan Subdivision:		
Blakeville road	4	
Upper Werribee River	10	
Between Werribee and Eastern Branch of River Moorabool	6	
		24
Total for Ballarat District ...	...	8,359
BEECHWORTH DISTRICT.		
Beechworth Division:		
Spring Creek	105	
Silver Creek	25	
Deep Creek	22	
Hurdle Creek	35	
Pennyweight Flat	50	
Two-mile Creek	60	
Three-mile Creek	180	
Six-mile Creek	40	
Stony Creek	70	
Myrtleford, &c.	110	
Wooragee, &c.	110	
Reid's Creek	38	
Woolshed	110	
Sebastopol	100	
Eldorado	280	
Stanley and neighborhood	340	
Buckland Gap	30	
		1,705
Yackandandah South Subdivision:		
Clear Creek	45	
Bruarong	20	
Kirby's Flat	36	
Rowdy Flat	30	
Osborne's Flat	50	
Allan's Flat	16	
Staghorn Flat	45	
Twist's Creek	60	
Muddy Creek	35	
Hillsborough	33	
Sandy Creek	94	
Township	50	
Hayes' Point	20	
Fell Timber Creek	30	
		564
Indigo Division:		
Chiltern and New Ballarat Leads ...	118	
Suffolk Lead	7	
Indigo Leads and Reefs	111	
Lancashire Lead	10	
Carried forward	...	2,269

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

Name of Place.	No.	Total.
Brought forward	...	2,269
Indigo Division—continued.		
Lanarkshire Lead	3	
Caledonian Lead	30	
Clydesdale	8	
Bobby Burns	12	
Rutherglen Reefs	39	
Chiltern Reefs	42	
Indigo Reefs	28	
Newcastle Lead	5	
		413
Wandiligong Subdivision:		
Morse's and Growler's Creeks ...	178	
		178
Buckland Division:		
Harrietville	122	
Harrietville to Bright	282	
Bright to Boundary, including Running Creek	150	
Buckland to Junction	269	
		823
Alexandra Subdivision:		
Alexandra and vicinity	20	
Godfrey's Creek and vicinity ...	25	
Devil's River and tributaries ...	15	
Johnson's Creek and tributaries ...	7	
Head of U T Creek	12	
Goulburn River	10	
Doogalook	2	
Spring Creek	10	
Higinbotham	12	
Merton and vicinity	10	
Tea-tree Creek and vicinity ...	18	
Acheron River	6	
Maindample and Doon	10	
Yea	20	
Scattered population	16	
		193
Dry Creek Subdivision:		
Brankeet Creek	8	
Dry Creek	24	
Hell's Hole	21	
Table Land	14	
		67
Gaffney's Creek Subdivision:		
Goulburn River	8	
Gaffney's Creek	22	
Cannon's Creek	14	
Raspberry Creek, &c.	56	
Lyrebird Creek	2	
Wallaby Creek	9	
Moving population	6	
Moonlight Creek	2	
Ryan's Creek	2	
		121
Wood's Point Subdivision:		
Wood's Point and Morning Star ...	22	
Lower Goulburn	15	
Right and left branches	20	
Gooley's Creek	6	
Harper's and Pheasant Creeks ...	10	
Perkins' Creek and Waverley ...	5	
All Nations and Creek	12	
Black River	8	
Moving population	7	
Maori Creek	4	
Never-mind Spur	36	
		145
Big River Subdivision:		
Frenchman's Creek	2	
Warner's Creek	12	
Enoch's Point	8	
Railway Creek	12	
Jim Thomas' Creek	4	
Big River North	23	
Big River South	4	
Fry's Creek	3	
Moving population	4	
Goulburn River	4	
		76
Mitta Mitta North Subdivision:		
Hamburg	10	
Gift Line	87	
Lucknow	10	
Flagstaff Hill	30	
Welcome Line	20	
Bethanga Line	40	
Excelsior	30	
Jarvis Creek	20	
Gold Creek	10	
Cotton Tree Creek...	30	
		287
Carried forward	...	4,572

Name of Place.	No.	Total
Brought forward	...	4,57
Mitta Mitta South Subdivision:		
Lightning Creek	17	
Granite Flat	44	
Mitta Mitta River	11	
Junction	18	
		9
Jamieson Subdivision:		
Howqua River and tributaries ...	5	
Goulburn River, from Howqua to Jamieson	25	
Mack's Creek	60	
Goulburn River, from Jamieson to Swampy Creek	70	
Sailor Bill's Creek	100	
Flume Creek	30	
Baker's Creek	30	
		3
Total for Beechworth District... ...		4,9
SANDHURST DISTRICT.		
Sandhurst Division:		
Back Creek and Spring Gully ...	200	
Sheepshead and Golden Gully ...	270	
Golden Square and Kangaroo Flat ...	450	
Crusoe Gully and neighborhood ...	90	
Marong and Bullock Creek ...	150	
Victoria and New-chum Reefs ...	490	
Long, Maiden, and Derwent Gullies ...	480	
Ironbark	490	
Bendigo Flat	450	
White Hills and Epsom	40	
Huntly	170	
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	100	
Kamarooka	45	
Scattered and prospecting	300	
Kilmore Division:		5,4
Reedy Creek	26	
Sunday Creek	10	
Strath Creek	6	
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	
Waranga North Subdivision:		
Rushworth	100	
Whroo and White Hills	109	
Coy's Diggings	49	
Waranga	4	
Total for Sandhurst District ...	...	6,
MARYBOROUGH DISTRICT.		
Maryborough Division:		
Alma	375	
Waterloo	50	
Inkerman	50	
Moonlight Flat	50	
Adelaide Lead	120	
Golden Point	80	
Craigie	90	
Four-mile Flat	85	
Carisbrook	150	
Mosquito	150	
Blucher's	265	
Newtown	150	
Havelock	165	
Chinaman's	750	
Blackman's Lead	50	
Maryborough	320	
		2
Carried forward	...	2

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

Name of Place.	No.	Total.
Brought forward	...	2,900
Majorca Subdivision:		
Majorca	22	
England's Hill Lead	9	
Gibraltar Lead	8	
Scandinavian Lead	19	
McCallum's Creek	29	
Rocky Flat	17	
		104
Amherst Division:		
About Talbot	50	
Scandinavian Lead	20	
Mount Greenock	72	
Nuggety and Long Gullies	35	
Kangaroo Gully and Flat	25	
Mia Mia and tributaries	35	
Daisy Hill and tributaries	140	
Adelaide Lead South	60	
Blacksmith's Gully	12	
Emu and Cockatoo	26	
Brown's Gully	6	
Norfolk Gully	16	
Rocky Flat	4	
Mount Glasgow	4	
Lilicur	10	
Eglinton	6	
		521
Avoca Subdivision:		
Amphitheatre	50	
Avoca Lead	85	
Green Hill Creek	72	
Percydale	155	
Homebush	180	
Lamplough	130	
Monte Christo	4	
Mountain Hut	25	
No. 1 Creek	45	
No. 2 Creek	110	
Kimberley and Sardine	15	
Donkey Hill	10	
Middle Creek, &c.	25	
Gullies east of Avoca	15	
Glenmona Reef	4	
Perseverance Reef...	4	
		929
Dunolly and Tarnagulla Divisions:		
Dunolly	200	
Burnt Creek	60	
Goldsbrough	190	
Inkerman	40	
Moliagul, &c.	120	
Bealiba	60	
Murphy's Flat	20	
Jones' Creek	60	
Tarnagulla	70	
Half-way	30	
Llanelly	40	
Wild-dog, &c.	40	
		930
Inglewood and Wedderburn Divisions:		
Berlin Diggings	500	
Kingower	150	
McIntyre's	130	
Synnott's	50	
Burke's Flat	50	
Inglewood	300	
Wedderburn	78	
Garibaldi	14	
Avoca Forest	6	
Woolshed and Yorkshire Flat ...	45	
Opossum Hill	140	
Jordan	12	
Wehla	50	
		1,525
Redbank and St. Arnaud South Subdivisions:		
Stuartmill, &c.	55	
Redbank	50	
Fowler's Lead	30	
Hinds	30	
Moonambel, &c.	80	
Darling Flat	40	
Emerald Flat	70	
Sandy Creek	20	
Canterbury	20	
		395
St. Arnaud North Subdivision:		
New Bendigo	35	
St. Arnaud	190	
Stuartmill, &c.	40	
Silver Mines, &c.	20	
Rostron's and Wattle Flat	20	
Emu, &c.	15	
Carried forward	...	7,304

Name of Place.	No.	Total.
Brought forward	...	7,304
St. Arnaud North Subdivision—continued.		
Carapooe	20	
Bell Rock, &c.	20	
Blink Bonnie	10	
Duchess of Edinburgh	20	
Jerejaw, &c.	20	
Victoria Reef, &c.	20	430
Total for Maryborough District ...	...	7,734

Castlemaine District.

Castlemaine Division:		
Castlemaine	76	
Eureka Reef	28	
Guildford	114	
Campbell's Creek	100	
Sailor's Gully	30	
Barker's Creek	80	
Myrtle Creek	39	
Moonlight Flat	58	
Chewton	190	
Wattle Gully	68	
Golden Point	72	
Diamond Hill	102	
Bolivia Reef	4	
		961
Fryer's Creek Division:		
Golden Gully to Fryerstown ...	189	
Spring Gully to Specimen Hill ...	80	
Chok'em Flat to Vaughan	220	
Butcher's and Kangaroo Hills ...	80	
German and Mopoke Gullies ...	110	
Loddon: Vaughan to Pennyweight ...	100	
Table Hill and Tarilta	100	
Guildford Hills	200	
Loddon: Vaughan to Holcombe ...	170	
Nuggety Gully and Irishtown ...	110	
Green and Sailors' Gullies	40	
Pickpocket and Hard Hills	40	
Strathloddon and Hit-or-Miss ...	130	
		1,569
Hepburn Division:		
Dry Diggings Section	70	
Yandoit Section	125	
Boots Gully Section	45	
Italian Gully Section	65	
Spring Creek Section	68	
Doctor's Gully Section	59	
Brandy-hot Section	33	
Deep Creek Section	85	
Blind Creek Section	125	
Stony Creek Section	74	
Wombat Creek Section	80	
Daylesford Section	270	
Connel's Gully Section	75	
		1,174
Taradale and Kyneton Subdivision:		
Taradale	100	
Liberty Flat	13	
Redesdale	46	
Yankee Point	26	
Malmsbury	18	
Coliban	28	
Belltopper	42	
Lauriston	40	
Scattered	79	
		392
Tarrangower Division:		
North Maldon	37	
Beehive Hill	44	
Eaglehawk	89	
Long Gully	35	
Porcupine Flat	22	
Fiddler's Flat	2	
Mount Tarrangower	15	
Sandy Creek	68	
Nuggety	7	
Mia Mia	6	
Green Valley	10	
Muckleford	19	
Clydesdale	21	
River Loddon	35	
Parkin's Reef	39	
German Reef	33	
Bell's Reef	6	
Welshman's Reef	2	
		490
Carried forward	...	4,586

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

Name of Place.	No.	Total.
Brought forward	...	4,586
St. Andrew's Division:		
Anderson's Creek	77	
Long Gully	18	
Smith's Gully	15	
You-You	16	
Wild-dog	13	
Walsh's	7	
Warburton	4	
Cherry-tree	13	
Cobbler's Gully	3	
Watery Gully	7	
Reefton	13	
Pioneer	7	
Queenstown	34	
Kingstown	12	
One-tree Hill	6	
McMahon's	11	
Emerald	9	
Starvation Creek	6	
Hoddle's Creek	52	
Diamond Reefs	3	
Muddy Creek	2	
Wombat Creek	3	
Wilson's Creek	6	
Donovan's Creek	9	
Blue Mountain North Subdivision:		346
Trentham	4	
Newbury	24	
Garlick's	39	
		67
Total for Castlemaine District ...	...	4,999
ARARAT DISTRICT.		
Ararat Division:		
Ararat Proper	160	
Armstrong's	70	
Philip's Flat and Cathcart	70	
Rhymney Reef and Shea's Flat ...	35	
Opossum Gully and Port Curtis ...	90	
Moyston and Londonderry	50	
Pleasant Creek Division:		475
Silver Shilling	15	
Deep Lead, Forty-foot, & Welshman's Flat	500	
Great Western	40	
Stawell	935	
Seventy-foot	30	
Germania	28	
Welcome	9	
Darlington	8	
Ironbark	70	
Cosmopolitan	12	
Barkly Division:		1,647
Landsborough	85	
Barkly	70	
Frenchman's	220	
Glenpatrick	50	
Raglan Division:		425
Beaufort	80	
Sailors' Gully	29	
Charlton	35	
Waterloo	80	
Old Main Lead	125	
		349
Total for Ararat District ...	...	2,896
GIPPSLAND DISTRICT.		
Omeo Subdivision:		
Livingstone Creek	130	
Mitta Mitta River, from Cobungra to Wombat Creek	19	
Wombat Creek	28	
Gibbo Creek	43	
Swift's Creek	177	
River Tambo	8	
Mitchell River and Boggy Creek Subdivisions:		405
Nicholson and Tambo Rivers ...	95	
Boggy Creek	80	
Merrijig Creek	30	
Sandy's Creek	40	
Two Miles	10	
Barnett's Creek	10	
Whitburn Gully	10	
		275
Carried forward	...	680

Name of Place.	No.	Total.
Brought forward	...	680
Crooked River Division:		
Grant	11	
Crooked River	38	
Jungle Creek	6	
Twelve-mile Creek...	2	
Twenty-five-mile Creek	22	
Thirty-mile Creek	6	
Wentworth	26	
Upper Dargo	20	
Middle Dargo	12	
Lower Dargo	10	
Upper Mitchell	20	
Good Hope	10	
Good Luck Creek	14	
Swamp and Morris' Creeks	29	
Wonnangatta	8	
Wongungarra	8	
		242
Jericho Division:		
Dry Creek	8	
Lower Jordan	40	
Upper Jordan	7	
Red Jacket Creek	15	
B B Creek	30	
Thomson River	14	
Aberfeldy River	12	
Eldorado	5	
		131
Donnelly's Creek Division:		
Donnelly's Creek	68	
Aberfeldy, Fulton's, &c.	20	
		88
Stringer's Creek Division:		
Walhalla	329	
Aberfeldy River	30	
Thomson River	65	
Happy-go-lucky	2	
Ranges (prospecting)	20	
		446
Aberfeldy Subdivision:		
Aberfeldy River	69	
Thomson River	18	
Lily of the Valley Co.	35	
James Rice's Lease, Aberfeldy ...	35	
Star and Thomson	4	
O'Brien's Lease	2	
		163
Russell's Creek Division:		
Crossover Creek	17	
Tanjil	29	
Russell's Creek	9	
Hawthorn Creek	12	
Wombat Creek	5	
Western Branch of Tangil	1	
Pheasant Creek	7	
Bull Beef Creek	6	
		86
Bendoc Subdivision:		
Bendoc	10	
Bonang	8	
Delegate River	9	
Bog and Queensborough	14	
Lower Bendoc	3	
Prospecting	4	
Back Creek	8	
		56
Tarwin Subdivision:		
Foster	34	
Turton's Creek	12	
		46
Traralgon Subdivision:		
Morewell	4	
Naracan Creek	4	
Traralgon Creek	10	
Flinn's Creek	2	
Tyers Creek	5	
Merriman's Creek	5	
Moe	3	
La Trobe	5	
Bennett's Creek	2	
Mosquito Creek	6	
Wilderness Creek	3	
		49
Total for Gippsland District ...	...	1,987
GRAND TOTAL ...	...	37,341

Office of Mines,
Melbourne, 16th October 1878.

THOS. COUCHMAN,
Secretary for Mines.

MINING SURVEYORS AND REGISTRARS' REPORTS.

BALLARAT MINING DISTRICT.

CENTRAL DIVISION.

Mr. David Christy, Mining Registrar.

In reviewing the aspect of mining operations in this division during the last quarter, it is gratifying to notice that the average yields continue to improve, more especially from the quartz claims.

The Guiding Star Company (Township Reef), situate at Sebastopol Road, have recently had two trial crushings, the result of which gave over ½ oz. to the ton, the reef averaging from 5 to 8 feet in thickness. This important discovery will, it is anticipated, open up a large area of country which intersects with the "Township" and other belts of auriferous lodes.

The United Black Hill Company have had some handsome returns lately, having struck the "Indicator" lode, which generally traverses the claims in a southerly course. The average returns during the past quarter were over 1 oz. 6 dwts. per ton.

The Parade Company have also met with excellent results from the same lode. Several small parties have taken up ground in the immediate vicinity with the view of forming companies under the No Liability Act.

The North Dimock Company, Little Bendigo, after sinking (as referred to in my last quarterly report) found upon raising and crushing stone that the average return would be about 3 dwts. per ton.

The consumption of water by mining companies for the quarter amounts to 22,829,000 gallons, at the rate of 2d. per 1,000 gallons for batteries and sluicing, and 4d. per 1,000 gallons for boilers.

The gold purchased by seven local banks was 26,006 ozs. 5 dwts. 23 grs., at from £4 2s. to £4 2s. 9d. per ounce.

ALLUVIAL RETURNS FOR THE QUARTER ENDING 30TH SEPTEMBER 1878.

	oz.	dwt.	gr.
Band and Albion Consols Company...	779	3	0
Nil Desperandum Company	148	14	0
Enterprise Company (3 days)	7	7	18
New Eureka Company	84	13	0
Reynolds and Co.	26	0	0
Winter's Freehold Company	842	5	0
Eastern Star Company	50	10	0
Co-operative companies (including Chinese)...	1,395	0	0
	3,333	12	18

DIVIDENDS.

	£	*s.*	*d.*
Endeavor Company	414	0	0
Temperance Company	930	0	0
Baker and Co.	250	10	0
Parade Company	400	0	0
New Dimock's Company	192	0	0
	£2,186	10	0

SOUTHERN DIVISION.

Mr. George Perry, Mining Registrar.

QUARTZ MINING.

The most important event in connection with this branch of mining operations of the past quarter has been the finding of a reef at Emperor's Gully, situated about 7 miles south of Staffordshire Reef. It was found near the surface by M. Frazer, is 2 feet wide, and looks exceedingly rich. A trial crushing of 6 tons gave the handsome yield of 30 ozs. of smelted gold, inclusive of the loose gold washed from the same stone before it was crushed. There is not sufficient work done on the reef at present to form an opinion as to its permanent value. Two other claims adjoining have been registered by Morrison and Company, who are driving a tunnel to strike the same run of gold, and if successful a crushing plant will be erected without delay.

Staffordshire Reef.—The Hopewell Company have let their mine, down to the 315-foot level, on tribute, and are making preparations to resume work in their 500-foot level, which was abandoned some time ago through the want of funds. This is the deepest mine in the division; and the result of the future operations of this company will materially affect deep mining in this particular locality.

The Speedwell Tribute Company have lost the run of gold which they have been working for some time past. It has dipped beyond the reach of their present appliances, and unless they strike something fresh they will have to procure a larger mining plant to enable them to go deeper to strike the same shoot of gold.

Kangaroo.—The New Kangaroo Company keep their battery constantly going with fair returns. They have sunk their shaft to the depth of 283 feet, opened out at 278 feet, and are driving for the lode, which they expect to strike 20 feet from shaft. Should the reef prove payable at that depth, the company will have 140 feet in depthof payable stone to work which at present averages 4 ft. 6 in. wide.

The New Try Again Company, in working their lode, found it very much broken up, consequently they have decided to sink their shaft to a further depth of 50 feet, where they expect it will be more defined.

The Williams' Fancy Company are getting good returns; reef 7 feet wide.

The Nil Desperandum Company continue crushing with excellent results; reef in some places 20 feet wide.

The New Venture Company, situated to the south of and adjoining the Nil Desperandum Company, have sunk a shaft to the depth of 96 feet; but finding the water too heavy were compelled to suspend sinking and procure a winding and pumping plant, which they are erecting with all possible speed, and expect to be able to resume sinking in six weeks.

Alluvial Mining.

The greatest number of miners in this division are employed at this class of mining; but the remuneration therefor is very inadequate to the amount of work performed, in fact, in very many instances a bare subsistence is all that is obtained.

Break-o'-Day.—Turner and party unearthed during the quarter two nuggets, weighing in the rough 187 ozs. 5 dwts. and 37 ozs. 10 dwts. respectively. The former one, when broken up, yielded 178 ozs. 18 dwts. of pure gold. Previous to the breaking up of the large nugget I took a cast which I have forwarded to the department. It was found at a depth of 30 feet from the surface, and within a distance of 100 feet of the large one found in December last.

Pitfield Plains.—The Nil Desperandum Company have sunk their shaft to the depth of 150 feet, opened out at 145 feet, and 36 feet from shaft struck wash containing payable gold. The find is of too recent a date to give an opinion as to its value, but the manager informed me that the prospect is good.

The Welcome Company—adjoining the Nil Desperandum Company—are getting good steady yields.

BUNINYONG DIVISION.

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

Alluvial Mining.

I have no change to report in this branch of mining during the quarter, except that the numbers of men engaged in it gradually diminish, while those in quartz mining gradually increase.

Quartz Mining.

Several claims have been taken up during the quarter on the Magpie Ranges, on the lines known as the Tower Hill and Scandinavian Reefs, and a considerable improvement has taken place in this branch of mining in the division during the quarter, though no new reef has been discovered.

All the batteries are at work with the exception of the small one at Devonshire Reef, where means have not been taken to supply the battery with water, except for very brief periods after heavy rains. With a good supply of water this battery would be quite insufficient for the requirements of the locality.

Lignite.

The Brown Coal Company, Lal Lal, have again made a start to raise lignite, but as yet the quantity raised is very small. The machinery has been put in working order.

Water.

The Borough Council report having received £1 14s. for water from the Government reservoir, the quantity used being probably about 8,000,000 gallons.

SMYTHESDALE DIVISION.

Mr. John Lynch, Mining Surveyor and Registrar.

There is a gradual improvement in alluvial mining for many months past. The total yield from all sources during the quarter is 10,121 ozs. 11 dwts., an increase of 98 ozs. over the previous quarter, which was 1,331 ozs. in excess of the yield for the first quarter of the year. Of the alluvial gold (9,803 ozs.), the three Haddon mines, which have been remarkably prolific of late, yielded 6,443 ozs. The "Reform" Company having by boring proved, to the west of their workings, the existence of deeper ground than any yet met with, are thereby pretty well assured of an accession of valuable ground in that direction.

Whilst this portion of the district is prosperous, in other portions there is hardly anything doing, and notably so along that vast stretch of lead from Newtown to Cape Clear, which a few years ago was the most important of our mining localities. At Happy Valley a few claims are said to be doing well; amongst those the "City of Canterbury" stands foremost. At Linton and Carngham there is but little doing—in the latter place there is a marked falling off. Sluicing in and around Smythesdale has been carried on with satisfactory results for some months past, but the supply of water is almost exhausted.

Quartz prospecting has also been pursued with vigor, and in some instances with fair hopes of success, but still it may be said that this branch of mining has not established a claim to general favor here.

The yield from the principal mines is as follows:—

	oz.	dwt.	gr.
Reform, Haddon	3,319	0	0
Racecourse	1,704	0	0
Trunk Lead	1,420	0	0
Smythesdale Consols	272	0	0

CRESWICK DIVISION.

Mr. James Stevenson, Mining Surveyor and Registrar.

I have the honor to report that the return of gold both from alluvial and quartz mining has increased during the quarter.

In quartz the increase is owing to a greater quantity of stone having been operated on.

In alluvial ground, Cameron's Freehold has been worked out and abandoned; but the Ristori Freehold has commenced to get gold and pay dividends.

The yield from the principal alluvial mines is as follows:—

	oz.	dwt.	gr.
Dyke's Freehold G. M. Company, Springhill	1,735	9	0
De Murska Company, Springhill	1,612	3	0
Ristori Freehold Company, Springhill	1,558	10	0
Kingston Park Freehold Company, Springhill	1,009	19	0
Ryan's Junction Freehold Company, Springhill	831	0	0
Cameron's Freehold Company, Springhill	188	0	0
Ryrie's Freehold Company, Springhill	271	19	0
New Hit-or-Miss Company, Red Streak	109	7	0
New Phœnix G. M. Company, Langdon's Hill	16	5	0
Approximate yield of small claims	1,000	0	0
	8,332	12	0

DIVIDENDS AND ROYALTY.

	£	s.	d.
Port Phillip Company, Clunes	5,151	3	7
South Clunes Company, Clunes	2,000	0	0
New North Clunes Company, Clunes	1,028	0	0
Dyke's Freehold Company, Springhill	1,849	8	6
De Murska Company, Springhill	2,900	5	0
Ristori Freehold Company, Springhill	1,680	0	0
Kingston Park Freehold Company, Springhill	1,113	8	0
Ryan's Junction Freehold Company, Springhill	1,047	14	0
Cameron's Freehold Company, Springhill	358	6	6
Ryrie's Freehold Company, Springhill	48	11	0
Armagh Quartz Company, Springhill	405	18	0
	£17,582	14	7

The quantity of water used during the quarter was 110,520,000 gallons, at 1½d. per 1,000 gallons.

GORDON SUBDIVISION.

Mr. Thomas Cowan, Mining Surveyor and Registrar.

ALLUVIAL MINING.

No mining under this head has been carried on during the quarter, and no gold obtained.

QUARTZ MINING.

Egerton.—Black Horse United Company.—This company finished the preparatory work for sinking their No. 1 shaft about the end of September, and have at once started sinking operations. Sinking and stoping operations have been vigorously carried on at the No. 2 shaft, in order to connect it with the No. 8 level of the No. 1 shaft, there being now only about forty feet between the bottom of the shaft and the roof of the stopes. The drives on the course of the lode at the various levels are still opening up an immense extent of stone, which appears to be almost inexhaustible. During the quarter 3,590 tons of stone were crushed, which yielded 2,843 ozs. of gold, or an average of 15 dwts. 20·12 grs. to the ton, and dividends amounting to the sum of £7,500 paid. The number of men at present employed is 107.

The Egerton Company, Limited, have been engaged during the quarter in raising and crushing stone from their No. 2 Rose and Quarry shafts, at a depth of from 500 to 780 feet, from a lode varying from 6 to 20 feet in thickness. 9,297 tons of stone have been crushed, yielding 4,265 ozs. 6 dwts. 4 grs., or an average of 9 dwts. 4·216 grs. to the ton. Baling operations have been carried on at the Rose shaft. The number of men employed is 191. The sum of £9,375 has been paid in dividends.

The South Learmonth and Egerton Amalgamated Company only worked for the first six weeks of the quarter, and then stopped operations in consequence of nothing of a payable nature having been met with. The company, however, intend to recommence mining operations, when it is to be hoped that they will meet with greater success than has attended their efforts in the past.

North Black Horse Company.—During the quarter this company extended their 195-foot level 60 feet more to the south, making a total distance of 240 feet; and at the 295-foot level have driven to a total distance of 260 feet, the country being much disturbed. A good deal of mineral is seen in the stone, but nothing of a payable nature has yet been met with. The number of men at present employed is 20.

All Fours Company.—During the early part of the quarter this company were engaged in baling, and reduced the water to a depth of 216 feet, where, finding it was impossible to get any deeper with their present appliances, they opened out, and have since driven a distance of 80 feet to the west, crossing at 60 feet what appeared to be the cap of a lode. The company at present have stopped operations, in order to make arrangements for the erection of machinery to enable them to test their ground at a greater depth. The number of men employed is 12.

The Chinese party, Ah Jack and Co., washing the tailings from the Egerton Company's battery, have obtained, it is stated, 42 ozs. of gold for the quarter. About six weeks ago another Chinese party of four men, Ah Ming and Co., started washing the tailings immediately below the above-mentioned party, and have obtained about 5 ozs. of gold during that period. The Chinese party also mentioned in my last report, and known as Willie Young and Co., are washing the tailings from the same battery, a distance of about 60 chains down the gully, and have obtained an average yield of about 3½ ozs. per week, or a total of 45 ozs. for the quarter.

Moorabool.—Rose and Shamrock Company.—The erection of the machinery mentioned in my last report was completed and mining operations commenced about the end of July. Since then the company have constructed a drive along the course of the lode a distance of about 100 feet, the lode only being a few inches in width. The stone raised has been crushed, but as the company have not yet cleaned up, the result is not yet known. A tramway of about 300 feet in length has also been constructed, for the purpose of conveying timber for the machinery. The number of workmen employed is 11 men and 4 boys.

Gordon.—Parker's United Company.—Since the date of my last report, sinking has been continued at the north shaft, which is now a depth of 613 feet. At a depth of 590 feet drives were constructed to the north and south along the course of the lode to a distance respectively of 35 and 21 feet. The lode varies from 6 to 10 feet in width. Stone has also been raised from the 400-foot level from a lode about 3 feet in width. 1,070 tons of stone have been crushed, yielding 517 ozs. 12 dwts. of gold, or an average of 9 dwts. 16·2 grs. to the ton. 186 tons were also crushed for a tribute party at the 200-foot level, which yielded 20 ozs. 11 dwts., or an average of 2 dwts. 5 grs. to the ton.

IRON.

Lal Lal Iron Company, Lal Lal.—The machinery in course of erection, mentioned in my last report, has been completed, and the company intend commencing operations at once. The number of men employed is 20.

STEIGLITZ SUBDIVISION.

Mr. Edw. Darling, Mining Registrar.

Mining during the quarter very dull and no appearance of improvement. In the Elaine and Mount Doran districts the inhabitants are leaving to settle on lands in the interior.

The only quartz vein struck within this district during the quarter is in the neighborhood of Steiglitz, as reported in the month of August. Prospecting for the reef is carried on (not extensively) to find the lode, but up to this it has not been struck, except where first found.

BLACKWOOD DIVISION AND BLUE MOUNTAIN SOUTH SUBDIVISION.

Mr. John F. Hansen, Mining Registrar.

QUARTZ MINING.

A very decided change for the better has taken place in the Sultan Company's mine. The Sultan lode at the 600-foot level is from 6 inches to 3 feet in width, carrying very rich gold-bearing quartz in some places. A winze has been sunk on the shoot of gold 92 feet, but the drive at the 700-foot level is not into it as yet, but is expected to reach it in three or four weeks. A good shot of gold has also been opened on Mounter's lode, between the 500 and 600-foot levels. Sections, with fair prospects, are also being opened on the Intermediate and Pioneer lodes at the 270-foot level. The sinking of the main shaft to a further depth has not been resumed as yet, neither has any work been carried on at the 800-foot level; both will, however, be commenced as soon as deemed advisable. A dividend of £650, equal to 10s. per share, has been declared by this company during the quarter. The average yield of gold per ton of quartz crushed has exceeded that of the previous quarter by over 6 dwts. per ton, and the total yield of gold exceeds it by about 450 ozs.

Several other companies have had fair remunerative returns. The Victoria Company, Yankee Reef, for one, but most prominent in this respect has been the Crown Company, Simmon's Reef, consisting of six co-operative shareholders, crushing with water power; they obtained an average yield of close on 4 dwts. of gold from 1,200 tons crushed, which leaves a large profit over working expenses. Mr. Rogers, the owner of the Big Hill Company mine, crushing also with water power, manages to obtain a margin of profit over all expenses from the small average yield of 1 dwt. 14 grs. of gold per ton of stone crushed.

At Wright's Reef, the Red, White, and Blue Company, as well as the North Britain Company, have both resumed work again; the first-named company have sunk their main shaft 80 feet below the tunnel level, and are now preparing to open out. The latter company crushed 260 tons of quartz with an average yield of nearly 5 dwts. of gold per ton, which leaves a margin of profit after all working expenses have been paid.

At Blakeville, the Undaunted Company is still idle, and no quartz mining is carried on in this locality.

The Garibaldi and Wilson Company have resumed work; a drive on the line of reef has been carried on 80 feet, but no quartz for crushing has been raised.

The total yield of gold from quartz in this division is about 800 ozs. in excess of that of the previous quarter.

ALLUVIAL MINING.

No floods having interfered with the workings of this branch of mining, but a steady and plentiful supply of water having been available, the total yield of gold has considerably increased, 950 ozs. having been obtained as against 600 ozs. in the previous quarter; but nothing of any importance to report has occurred that I am aware of.

The rainfall during the quarter has been as follows, viz.:—July, 2·69 ins.; August, 4·67 ins.; September, 2·12 ins.; total, 9·48 ins.

No men 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.

BALLAN SUBDIVISION.

Mr. John F. Hansen, Mining Registrar.

Mining in this subdivision is in a very dormant state, there being only about a dozen miners employed as follows, viz.:—Five in the old tunnel workings at the Upper Werribee; three sluicing in a small gully, a branch of the River Werribee; and about half-a-dozen engaged in prospecting and fossicking between the River Werribee and the eastern branch of the Moorabool.

I find, in looking over the record of returns from the quarter ending December 1874 to that ending June 1876, that the only quartz mine (Ashton's Freehold) gave the splendid, as well as remarkable, return at each separate quarter, of an even average yield of 1 oz. of gold per ton of quartz crushed, and from that date to the end of last year the average seems to have been doubled, so that every quarter when crushing operations took place, exactly two ounces of gold per ton of stone crushed had been obtained. The mine has been worked by four men (the owner of the property, Mr. Ashton, and his family), and the returns show that something like 800 ozs. of gold must have been obtained from this mine, consequently it may be presumed that the venture has been a very profitable one so far; nevertheless the mine has been at a standstill since December last, at least no crushing has taken place since the last return of 2 ozs. of gold per ton of quartz crushed during the quarter ending 31st December 1877.

No water is sold in this subdivision for mining purposes.

BEECHWORTH MINING DISTRICT.

BEECHWORTH DIVISION.

Mr. Alexander Alderdice, Mining Registrar.

Less gold has been purchased during the past quarter than during any similar period since the opening of this goldfield, as although all the sluices have been constantly at work, none of them have yet washed down. The gold to hand has been obtained principally from Eldorado, and from the dry sinkers at Stony Creek and quartz claims at Myrtleford. There has been a copious rainfall since last report, and the springs are all giving a good supply of water.

At Eldorado there is only one claim producing gold, the United Eldorado Company, which still gives very remunerative returns to the shareholders from the 90-foot floor, viz., 661 ozs. 10 dwts., and 12 tons 6 cwt. of black sand, for the three months. The lead here runs under the township, and most of the stores in the lower part of the town will have to be removed to higher ground.

The Wellington Company's plant and machinery has been sold to Messrs. Harris and Hollow, of Rutherglen, and will shortly be removed to their quartz claim. It is a great pity that the machinery will be removed before a further trial of the Wellington Company's ground has been made, as the cost of sinking a shaft and opening the ground is so great that few miners will feel justified in making the outlay.

The Ovens Gold and Tin Prospecting Company (formerly the Ovens Gold and Tin Gold Mining Company, Limited), which received a portion of the prospecting vote, has driven 844 lineal feet; about half of this is across the lead, and the other portion down the lead. The drive across the lead has not been through very good ground, but the drive down the lead is through payable washdirt, showing a great improvement in quality on that passed through

previously. The whole of the ground driven through has been rough and uneven, and some of it so hard as to require blasting. A drive is also being put in up the course of the lead, where it is thought good ground will be struck.

Some of the alluvial claims at Stony Creek have been turning out well since the rain came, which enabled them to wash up the dirt raised to grass during the summer months. There is still a probability of this lead being traced down to the Ovens River, but it will require machinery, as the lower end of it is both deep and wet.

The Sunday Reef Company had a very fine return of 3 ozs. 7 dwts. per ton for 63 tons of quartz. This is a flat reef, and the stone and country is very hard. The gold obtained from this reef contains about 13 per cent. of silver, as there were 28 ozs. of that metal in the 212 ozs. obtained from this crushing. This line of reef is supposed to be the same as that of the Canadian Reef in Madman's Gully, abandoned some years back, as the gold is identical in character. If this be correct the reef offers great advantages to prospectors, as there is a distance of two miles between the shafts of the Sunday Reef and the Canadian.

The Wallaby at Hurdle Flat, and the Reform at Myrtleford, still continue to give good returns to their proprietors. The latter reef has lately shown considerable improvement, as it seldom gave more than 9 or 10 dwts. per ton, whereas this last crushing shows over 13 dwts.

The tributers at the Homeward Bound, Rocky Point, have continued to raise remunerative stone, the last going over 11 dwts. per ton, and the reef looking well still.

The Rocky Mountain Company's tunnel, Beechworth, is now in 1,540 feet, about two-thirds of the total distance. It is thought that the whole will be finished in about twelve months from this date.

YACKANDANDAH NORTH SUBDIVISION.

Mr. John C. Forster, Mining Registrar.

There is no mining as yet in this division.

YACKANDANDAH SOUTH DIVISION.

Mr. J. Smart, Mining Registrar.

I have to report that the new crushing machine was successfully started at Felltimber Creek within the last week, and gold showing well on the tables, so that a successful yield may be anticipated. On the Sandy Creek goldfield operations are going on as usual; fair returns from parcels of stone crushed, and a fresh prospecting claim of great promise registered lately.

In alluvial mining there has been a fresh impetus: owing to the copious rain of last winter, a great many of the original occupiers of claims have come back to the district, and are working with successful results.

INDIGO DIVISION.

Mr. R. Arrowsmith, Mining Surveyor and Registrar.

Quartz mining has improved in the division during the quarter. Several parties are now at work in the ranges between Chiltern and Christmas Town, a neighborhood but little prospected, and several trial crushings have given very good returns.

A new quartz mill is in course of erection at Chiltern, and Harris and Hollow having reached the water level in their claim on the Great Eastern Reef at Rutherglen, have purchased a pumping plant at Eldorado, which it is intended to erect on the claim at an early date.

The Chiltern Valley Mining Company (alluvial) are pushing forward their works with great energy. 3,777 feet of main drives have been put in during the quarter, from which a yield of 793 ozs. of gold have been obtained. 1,100 feet in length by about 240 feet in breadth of the lead has been prepared for blocking out, and is known to be very payable. Both the surface and underground workings appear to be in a highly satisfactory condition. About 110 men are constantly employed on or in connection with the claim, which number will be further increased when blocking out is commenced.

BUCKLAND DIVISION.

Mr. J. Darbyshire, Mining Surveyor and Registrar.

It will be perceived that a considerable increase has taken place in the yield of gold from quartz reefs during the quarter, principally from those at Harrietville. The number of men employed on the reefs from which crushings were made was 48, and the yield of gold was 2,717 ozs. 18 dwts., being an average of 56 ozs. 12 dwts. 11 grs. per man, or, at £4 per ounce, £226 9s. 10d. per man for the quarter; several of the men were not employed the whole time. Fourteen new reefs were discovered in the same locality during the quarter, from none of which have crushings yet been made. The miners expect to make further discoveries during the coming summer.

In the Buckland subdivision two new reefs have been discovered, and in the Bright neighborhood five. From none of these have crushings yet been made; the owners speak of them as promising well.

The late rains have stopped sluicing in several places.

A diminution in the numbers of both Europeans and Chinese has taken place, some of the former having become selectors or laborers on farms. The Chinese are making preparations for tobacco-growing.

Ten sluice-heads of water have been sold by private parties, at from 5s. to 15s. per head.

WANDILIGONG SUBDIVISION.

Mr. T. C. Kaighen, Mining Registrar.

Quartz mining exhibits a more animated condition at the present time than has been evinced for a great length of time previously in the division. Several very promising discoveries having been made during the quarter, mostly in the neighborhood of, and in some instances on the site of old worked and abandoned reefs, prospectors have been induced to occupy a number of reefs that were relinquished in the early days, when crushing and carting were much more expensive than now. The reef Native Industry, Symes owner, was found within a few yards of a reef

worked several years ago under the name of the Swipers. A trial crushing from this reef gave 10 ozs. to the ton as the the result. It is easily worked, of good size, and within easy distance of a crushing mill. Mitchell and Murray's reef, shown in return as averaging 16 dwts., is also on abandoned ground, easily got out, and a great quantity of stone available. Another rich find, on the site of the old William Tell, has been opened, but no stuff has been crushed yet; estimated yield 25 ozs. Several reefs at the head of Morse's Creek are looking very well, and great results are anticipated by the end of the year. The Londonderry Company, referred to in last report, have crushed from lower tunnel, with satisfactory returns. The Myrtle Company have completed a rise of 70 odd feet from low tunnel to old workings, and are now crushing. In the tunnel put in by the London Company, the reef has been cut at 600 (six hundred) feet from the surface, and 2ft. thick, but carrying no gold. I would note here that no reefs in this district have been sunk on after the gold has once run out, so it has yet to be proved whether payable stone exists at the low levels that have turned out so remunerative in some of the other quartz-reefing districts. The tramway from Oriental Reef to mill has undergone a thorough overhaul, after several years of rest, and the owner (Mr. C. Fraser) expects to have mine, tramway, and mill in full swing very shortly. The Cornish United and Hillsborough are still prosecuting the search for gold-bearing reefs in their respective mines. The continuous rains that have fallen during the past quarter have kept the alluvial miners fully occupied, and materially increased the yield of alluvial gold over that of previous quarters.

ALEXANDRA SUBDIVISION.

Mr. F. H. D. Cotter, Mining Registrar.

I have nothing special to report, having only very lately taken over the duties of Mining Registrar. Mining generally in this district is in a very depressed state, and shows a falling off.

DRY CREEK SUBDIVISION.

Mr. J. Pemberton, Mining Registrar.

Mining operations generally quiet. Mr. R. G. Meade's quartz claim still continues to yield average returns.

GAFFNEY'S CREEK SUBDIVISION.

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

The falling off in the yield of quartz gold in this subdivision is only apparent in so far as it is due to the fact of the A1 G. M. Company's and the Wallaby Company's tributers not having had washings up during the past quarter. These two tributes are still promising well, the last-named indeed has improved prospects. All the tributes in this subdivision which have reached the crushing stage are paying wages, save only the Golden Belt, of which the tribute percentage is the highest paid in the district.

The alluvial workings have given very poor yields during the quarter, and there is no prospect of improvement.

No mineral or metal save gold is being raised in this subdivision.

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

WOOD'S POINT SUBDIVISION.

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

The yield of quartz gold for this quarter is nearly double the yield of last quarter. The Morning Star prospecting claim tributers show a high result; so also the Lady Franklin Company, which has more than paid its way during the past quarter. The Sir John Franklin tributers obtained over 206 ozs., but the inordinate expenses of this tribute go far towards lowering the net profits. They have struck another cross-vein in their upper workings, yielding from 8 to 10 dwts. per ton, and are now driving a level for the purpose of economically working their veins. The claim of Messrs. Knopp and Moore, Leviathan, has given the handsome return of 231 ozs., which represents the work of two men for five months. A new working partnership has been formed for raising stone from the old Bismark vein, and a small trial crushing yielded nearly 7 dwts. per ton; a crushing of 20 to 40 tons is now being raised, and I trust the example will be followed in other quarters, and our numerous payable veins once more come to the fore. There being little dead work necessary in many of these old workings, the success of small working miners' parties, eliminating as these do the curse of bad management, seems assured, and there are indications of the system extending.

No mineral or metal is being worked for here save gold.

The alluvial continues to fall off, the average wages for the past quarter not reaching 17s. a week.

No water is being sold for mining purposes in this subdivision.

BIG RIVER SUBDIVISION.

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

Mining and digging continue considerably depressed in this subdivision, wherein the mining population continues to decrease; flowing towards districts where settlement on land is encouraged.

Two mines only are at work, the Luck's All and the Londonderry, and the yields are not encouraging; the latter may be considered payable.

The crushings obtained are given elsewhere.

Alluvial mining is languishing; the average wages earned have been under 20s. a week.

I hear of no water being sold; it is abundant.

No metals are worked for but gold.

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

MITTA MITTA NORTH SUBDIVISION.

Mr. John C. Forster, Mining Registrar.

I have to report that the yield of gold for this quarter is not so large as last by about 100 ozs., the New Year's Gift Company and many others only raising, as is said, copper ore, which contains gold, silver, and copper. The New Year's Gift claim is being worked on tribute by Messrs. Harris and Hollow, who are to give a royalty to the shareholders of 15 per cent. on the gross returns, particulars of which have not come to hand as yet from England. The holders of the tribute are sanguine, and have every confidence in their undertaking, and, notwithstanding the amount of £10,000 laid out by them in erecting furnaces and working the claim, they are still making improvements and laying out £100 more on their present works, which have not been idle one day since starting. On these works there are 71 men, turning out regulus to the amount of six tons per week, which is supplied by this claim—the New Year's Gift prospecting claim, where 37 men are employed.

Messrs. Wallace and Company, No. 2.—This party have expended a large sum of money, erecting furnaces and other works, to the amount of about £13,000. The furnaces employ 37 men. The claim is worked by steam-power, while No. 1 has only a whim to work with. Yet each claim keeps its own furnace going. The lode in the claim is looking well, and employs 40 men in raising the ore and preparing it before being taken to the furnaces. These works, when in full working order, turned out six tons per week of regulus, and I am informed the greater part has been shipped for England.

Many other companies have got good copper, but do not know what to do with it, not having the means to erect furnaces, and the owners of those at present at work do not want to buy, having abundance of ore of their own.

The pyrites works of Mr. Kitchingman.—The works differ in several important respects from those in operation in the Western District, existence of copper in the pyrites here rendering the extraction of gold, &c., a more difficult matter. The first start was made on the tailings and blanketings from the different crushing mills, of which something like 3,000 tons have already been collected. This of itself is enough to keep the works going for a long time, and, as every mine in the neighborhood contains a large quantity of blackjack, pyrites, &c., all containing a certain percentage of gold, &c., there is abundance of raw material to be got when the present stock is exhausted. The water used at the works is lifted from a dam to a height of 30 feet by a new improved chain-pump or water-lifter. An endless chain works round a pulley on the top, with iron buckets 10 feet apart, causing the pump to throw a constant stream of water, which is conducted along pine shoots, some 90 feet long, to the concentrators. These consist of a "tom," first, second, and third table, filled with movable ripples to suit the different descriptions of stuff, which from thence is conducted to the furnace. The furnace is working satisfactorily. It has seven doors, by which the concentrated stuff is worked down on an inclined surface every hour, when so much burned stuff falls into the pit and a fresh charge is taken in. Thus every charge gets seven hours' roasting prior to falling into the pit. It is afterwards drawn out into another pit to an amalgamating barrel for amalgamation and for collecting the gold. Chemicals are introduced in the amalgamating process—first to extract the copper, then the gold. The engine used for driving is a 4-horse-power vertical engine, which keeps the whole of the works in motion.

The last week or two a rush has taken place at Cotton-tree Creek, a distance of about 23 miles from the Bethanga township (where many claims have been taken up), and is believed to be good, the prospects being very satisfactory in quartz.

A party of three have been on Cotton-tree sluicing for the last month, and are washing 1 oz. per day, and the gold is of a better class than the usual run about this district.

MITTA MITTA SOUTH SUBDIVISION.

Mr. D. H. Gilmore, Mining Registrar.

There is nothing fresh to report this quarter. The alluvial claims are nearly all in full work, but there is nothing doing among the quartz.

The quartz crushing battery I mentioned in my last report has not got any further yet, owing to the state of the road between here and Granite Flat.

Tenders have been called for re-constructing the road, but it will be some time before the machinery can pass over it.

There has been no water sold for mining purposes in this subdivision during the quarter.

JAMIESON SUBDIVISION.

Mr. W. H. Edwards, Mining Registrar.

Mining operations in this division have been very quiet during the past quarter, no new discoveries having been made.

The Gleeson's Lease Company have let the mine on tribute to a very good party of men.

The Venture Company are still breaking stone from the spur ground and long timber run with payable results.

The Sailor Bill's Company have suspended operations for the present, and intend to let the mine on tribute.

No water sold for mining purposes during the quarter in this subdivision.

SANDHURST MINING DISTRICT.

SANDHURST DIVISION.

Mr. N. G. Stephens, Mining Registrar.

There has been some excitement in mining affairs during the past quarter, consequent on the discovery of good reefs in old mines on established leads, and the increase of yields generally. The average yield of gold from quartz is considerably higher than it has been for some time past.

A large number of tributers and contractors are now engaged working the companies' mines, and a considerable quantity of ground has been taken up by private parties of miners.

Some sluicing claims have also been taken up lately, and from the number of enquiries made with regard to the mode, &c., of taking up ground for this purpose, I am inclined to believe that it will not be long before a considerable number of miners will be engaged in this branch of mining. Compared with six months ago there are few miners out of employment.

A very rich find of gold has been made on the Red Jacket Reef, Whipstick, within four feet of the surface. It induced many to take up claims on that line, but, from the known character of the district, it is doubtful if the reef or the gold will extend to the next claim.

The quantity of water sold for mining purposes during the past quarter is as follows:—

To quartz mining companies	11,267,000 gals.
„ sluicing „	11,000,000 „
	22,267,000 gals.

Additional information respecting some of the quartz, &c., crushed during the past quarter 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 the Quartz was obtained.	Original Water-level.	Width of Reef, &c.
		tons.	oz. dwt. gr.	oz. dwt. gr.		feet.	
Garden Gully United ..	Garden Gully Reef ..	4,435	9,050 19 0	2 0 19·58	745 feet	..	From 1 feet to 5 feet
Unity	Garden Gully Reef ..	154	91 1 18	0 11 19·26	350 to 740 feet ..	250	Spurs
Victory	Garden Gully Reef ..	704	365 4 0	0 10 9	750 feet	..	1 foot
Betts and Walker ..	Garden Gully Reef ..	316	152 6 8	0 9 15·36	100 to 320 feet ..	97	Spurs varying from 2 inches to 1 foot
Great Southern	Garden Gully Reef ..	104	63 17 0	0 12 6·69	230 feet	..	From 1 foot to 4 feet
Cornish United	Garden Gully Reef ..	241	105 11 0	0 8 18·22	920 feet	..	From 1 foot to 4 feet
Garden Gully Freehold ..	Garden Gully Reef ..	338	143 15 18	0 8 12·19	Above 400 feet ..	..	From 1 foot to 2½ feet
Lazarus	New-chum Reef ..	2,173	2,393 4 0	1 2 0·64	290 to 960 feet ..	145	From 14 inches to 32 feet. A remunerative reef at 960 feet
Old-chum	New-chum Reef ..	541	490 9 0	0 18 3·15	300 to 1,000 feet ..	..	From 1 foot to 2 feet 6 inches
C. C. Freehold	New-chum Reef ..	868	169 19 0	0 3 22·00	Various	..	Various
New-chum and Victoria ..	New-chum Reef ..	4,426	3,422 0 0	0 15 11·11	Various	..	Various
North Old-chum ..	New-chum Reef ..	1,233	385 18 0	0 6 6·23	250 to 1,180 feet ..	..	At 1,180 feet from 6 inches to 3 feet. A well-defined reef. First crushing averaged 1 oz. per ton
North Shenandoah ..	New-chum Reef ..	488	104 18 16	0 4 7·21	626 feet	390	About 4 feet
Shenandoah	New-chum Reef ..	2,777	966 4 16	0 6 23·61	626 feet	390	From 4 feet to 5 feet
Albion United	Bird's Reef	84	59 9 0	0 14 3·71	360 feet	50	From 2 feet to 10 feet
Bird's Reef	Bird's Reef	1,454	864 3 18	0 11 21·28	110 to 360 feet ..	50	From 6 inches to 40 feet
Bendigo and Melbourne ..	Bird's Reef	703	272 19 12	0 7 18·38	500 feet	50	Average, 2 feet
North Johnson's ..	Johnson's Reef ..	2,715	3,043 12 9	1 2 10·09	380 feet and upwds.	..	From 1 foot to 8 feet. Shaft 722 feet, sinking
Johnson's Reef ..	Johnson's Reef ..	4,699	983 18 0	0 4 4·50	100 to 600 feet ..	..	Chiefly spurs
Rose of Denmark ..	Johnson's Reef ..	918	498 4 0	0 10 20·50	Various	..	Various
South Victoria Reef ..	Victoria Reef ..	414	198 8 0	0 9 14·02	540 to 670 feet ..	..	Different reefs and spurs of various widths
Adventure and Advance ..	Victoria Reef ..	357	75 0 0	0 4 4·84	190 feet	..	Mullock
Great Central Victoria ..	Victoria Reef ..	589	180 15 0	0 6 3·30	Surface to 300 feet	..	Spurs from 2 inches upwards
Victoria Consols ..	Victoria Reef ..	1,256	241 14 4	0 3 20·37	530 feet	..	From 3 feet to 8 feet
Victoria Reef	Victoria Reef ..	4,502	1,968 6 0	0 8 17·85	430, 480, and 976 feet	180	From 6 inches to 50 feet
Alexander Reef	Alexander Reef ..	290	61 18 12	0 4 6·49	240 feet	50	From 2 feet to 4 feet
Central Catherine ..	Catherine Reef ..	1,422	874 15 0	0 12 7·27	520, 640, and 700 feet	180	About 3 feet
Catherine Reef United ..	Catherine Reef ..	3,044	1,238 1 12	0 8 3.23	Surface to 800 feet	130	Chiefly from small veins
Who Can Tell	Manly Reef ..	58	88 3 0	1 10 9·51	30 to 50 feet ..	150	Flat spurs
Central Windmill Hill ..	Windmill Reef ..	187	65 5 10	0 6 23·54	Surface to 200 feet	..	Principally spurs
Empire Amalgamated ..	Friedman's Reef ..	2,273	722 17 0	0 6 8·64	140 and 330 feet ..	..	30 feet
Ellenborough	St. Mungo and Devonshire Reefs ..	308	111 15 0	0 7 6·15	Surface	100	From 1 foot to 4 feet
Extended St. Mungo ..	St. Mungo and Devonshire Reefs ..	117	57 10 18	0 9 20·05	305 feet	..	From 4 inches to 2 feet
Snob's Hill	St. Mungo and Devonshire Reefs ..	645	280 9 6	0 8 16·71	Surface	100	From 1 foot to 4 feet
Pascoe and Simmonds ..	Suppsd. Hustler's Reef	1,068	523 10 20	0 9 19·29	110 feet	185	Average 20 feet
Extended Hustler's Freehold	Hustler's Reef ..	1,103	354 8 0	0 6 10·22	230 feet	..	From 6 inches to 3 feet
Great Extended Hustler's	Hustler's Reef ..	2,289	827 1 0	0 7 5·43	400 to 800 feet ..	109	
Great Extended Hustler's Tribute	Hustler's Reef ..	79	25 5 0	0 6 9·41	300 to 600 feet ..	154	
Hibernia	Hibernia Reef ..	215	237 6 0	1 2 1·78	250 feet	50	From 2 feet to 4 feet
Morning Light	Carshalton Reef ..	1,414	200 3 18	0 2 19·95	Surface to 400 feet	200	From 3 inches to 4 feet
New Moon Tributers ..	Moon Reef	1,590	753 16 9	0 9 11·56	180 to 360 feet ..	110	From 6 inches to 4 feet
United Perseverance ..	Perseverance Reef ..	91	61 2 19	0 13 10·49	318 feet	..	1 foot
United Devonshire ..	Devonshire Reef ..	480	177 13 18	0 7 9·68	326 and 378 feet ..	250	Spurs, various sizes
PYRITES.							
Bendigo and Melbourne ..	Bird's Reef	7	15 7 6	2 3 21·43			
Great Extended Hustler's Reef	Hustler's Reef ..	16	83 5 0	5 4 1·50			
Great Extended Hustler's Tribute	Hustler's Reef ..	3	3 14 6	1 4 18			
Garden Gully Freehold ..	Garden Gully Reef ..	5	29 0 6	5 16 1·20			
New Moon Extended ..	Moon Reef	8	27 16 0	3 9 12			

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 those tables.

KILMORE DIVISION.

Mr. James W. Osborn, Mining Registrar.

Improvement in quartz mining may be noted. Impulse has been given thereto by the Doyle's Reef Quartz Mining Company, Reedy Creek, erecting winding and pumping machinery, and, having beaten the water, have been enabled to prospect the lode with, it is anticipated, satisfactory results. The quartz now being raised looks well, and a trial crushing of ten tons is to be forwarded next week to Sandhurst. Should this prove favorable, a crushing plant is proposed to be erected, which will be of great service on Reedy Creek.

The Shepherd's Reef Company—the recipient of the £200 from Prospecting Vote—have not yet commenced operations. The Magenta claim is still being prospected, and the results are said to be promising. The Langridge Reef is being worked by McManns and party, and they have struck gold, but no crushing of stone has yet taken place. Other lines of reef have been marked out for leases, and, if capital and energy are displayed, will no doubt prove payable. In alluvial, at Strath Creek, the Kummerlos Gold Mining Company, after finding gold in their shaft, stopped work, applied for exemption, and have now a lease granted to them. As the company is divided into many shares, and the calls are limited, the ground will no doubt have a good trial. In alluvial at Reedy Creek, few miners obtain more than a bare living.

No water sold in the division this quarter.

HEATHCOTE DIVISION AND WARANGA SOUTH SUBDIVISION.

Mr. E. C. Bell, Mining Registrar.

I have to report that there has been a gradual increase in the yield of gold from quartz in this division during the past quarter.

The Alabama and Butler's Reef Company, Heathcote, have crushed 900 tons, averaging a return of 1 oz. per ton. At Costerfield the Alison Gold and Antimony Company obtained 172 ozs. from 200 tons quartz crushed; and some excitement has been occasioned at the last-mentioned place during the past week, owing to the striking of an excellent antimony reef. The claim in which the find was made is the property of the United Miners Company, formerly known as Bradly's Freehold. The reef was struck at a depth of 120 feet, and is 20 inches thick. Gold can also be seen in the stone. In about three hours on Saturday the 28th ultimo from three to four tons of antimony were put on the surface by the contractors at work in the claim—between £30 and £40 worth. At Graytown the only mine worthy of note is the United Miners Registered Company, where work has been pushed on, and prospects are so encouraging as to induce the company to purchase machinery. The prospects in this company's claim are about an ounce to the load; a few small crushings in other companies yielded on the average an ounce to the load. At Redcastle the Why-Not Company have obtained 72 ozs. from 100 tons stone. At Fowler's Company they obtained 42 ozs. from 17 tons crushed. Joyce's Company have crushed 6 tons and obtained 2 ozs. 9 dwts. per ton. Hawkins's claim crushed 12 tons, and obtained 1 oz. to the ton.

At Staffordshire Flat the Charlotte Registered Company crushed during the past week 4 tons, and obtained 10 ozs. 3 dwts.

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

WARANGA NORTH SUBDIVISION.

Mr. Henry Hicks, Mining Registrar.

Alluvial.

Little or no change has taken place during the quarter in this class of mining. The yields of gold are, I believe, very small.

Quartz.

The prospects of the quartz mines in the subdivision are most encouraging; some of the claims are looking very rich. The yield and average of stone crushed are in excess of the last quarter, although the reports of the managers of two machines are as follow:—Balaclava Company, Whroo.—During six weeks of this quarter the machine has been stopped for the purpose of fixing new boiler, which is now in work. Victoria, Coy's Diggings.—Have not lifted a stamp-head during quarter, but start this week on some parcels of very rich stone.

Metals other than Gold.

Black Cloud Antimony and Gold Company, Coy's Diggings, and U. and E. Company, Whroo, have both stopped work; the stoppage caused, I am informed, not from want of success, but for the purpose of reorganization of the companies.

MARYBOROUGH MINING DISTRICT.

MARYBOROUGH DIVISION.

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

Alluvial Mining.

On the whole there has been a considerable improvement in alluvial mining in this division during the quarter. This is shown by the returns. The large yield of 1,984 ozs. 16 dwts. from the "Duke," is encouraging, and proves beyond doubt the valuable character of the mine. It has also had the effect of strengthening confidence in the adjacent mining properties. The Count Bismarck Company have done very little work during the quarter. They were forced to suspend operations in their mine because of the heavy flow of water with which they had to contend. They are now erecting additional machinery of a powerful character. This will enable them to cope with the water, and speedily to resume operations. The mine is looking well. The Victoria Company, Timor, have succeeded with their enterprise. The company has been successfully floated. Their mine was formerly owned by the Try Again Company. The mine and all its appointments are first class. The mines of Carisbrook are still making good progress.

Three extended alluvial claims, having an aggregate of twenty-six acres, were registered during the quarter. One of them is held by a party of Chinese. The claims are situate at the Alma, Lower Alma, and Chinaman's Flat.

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

	oz.	dwt.	gr.
Duke of Timor	1,984	16	0
Count Bismarck, Lower Alma	571	5	0
Queen, Alma	146	0	0
Seaham, Alma	180	9	0
Argus, Chinaman's Flat	115	0	0
Gladstone, Alma	107	0	0
Little Band of Hope, Timor	190	0	0
	3,294	10	0

Dividends, as under, have been paid during the quarter by the companies named:—Little Band of Hope, Chinaman's Flat, £678; Queen, Alma, £150. Total, £828.

Quartz Mining.

Five prospecting claims of the first class and one co-operative claim of the second class were registered during the quarter. The Bulgarian claim, registered by Thomas Cock, promises to turn out well. The claim is situate near the White Hills. From a crushing of four tons of stone a yield was obtained of 7 ozs. 14 dwts. 8 grs.

Messrs. Oswald and Noell are still at work on the slum of the Mariners' Reef Company. The slum improves in value as they go on. It is now payable. They employ a staff of twenty-five men. There are three Chilian mills and seven cradles at work on the ground. At present the company do not possess the requisite machinery to enable them to treat the pyrites, but these are being stored, and will shortly be operated upon.

The Mariners' Reef Company have resolved upon making extensive improvements in their machinery, with the view of further developing their mine. The Princess Royal, of Mosquito, crushed 40 tons for 56 ozs. 15 dwts. The Telegraph United Company crushed 366 tons for 352 ozs. 10 dwts. They are sinking their main shaft, and have done a great deal of dead work. The Bristol Hill Company continue to improve their plant. The appointments in connection with their mine are of the most valuable and efficient character.

MAJORCA SUBDIVISION.

Mr. P. Virtue, Jun., Mining Registrar.

There is not much improvement to report in mining operations in this subdivision. Two alluvial prospecting claims were registered during the quarter, situate at Specimen Hill and Garden Flat. From the claim at Garden Flat a prospect was obtained of 5¾ dwts. to the bucket. The Grand Junction Company have erected steam machinery. They now employ twenty-four men, and have lately struck good gold. Their return for the quarter is 24 ozs. The Logan's Paddock Company have not yet had a washing. Several of the old mines, which are valuable, still remain idle from the want of capital. I have no doubt whatever that the time is not far distant when the country round Majorca will receive closer attention than it does at present. The judicious application of foreign capital towards the development of even those mines which have been proved to be valuable, would speedily remove the severe depression which now exists.

AMHERST DIVISION.

Mr. Joseph Smith, Mining Surveyor and Registrar.

Alluvial mining has never been so low as in the last quarter.

In quartz mining the Perseverance Company have started, and have about 100 tons at grass, and commenced crushing on Wednesday last.

The Union Quartz Mining Company at Amherst have made arrangements with outside capitalists, and have sold a part of their claim for £500, and have commenced sinking for a lower level. They have applied for an extension of ground under lease.

The water is only now coming into use for mining purposes; the total amount being £5 for the quarter.

AVOCA SUBDIVISION.

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

During the quarter mining operations generally have been very dull. At Homebush, in the Working Miners' claim, very slow progress has been made. On the north-west side, in a flat known as Frying Pan, an extended claim of 12 acres has been registered, and as this flat is leading into the Homebush, it may contribute to the richness of the lead already discovered in the latter.

Quartz Mining.

The only place at present deserving special mention is the Pyrenees Tunnel, Percydale. About 500 feet from the mouth of the tunnel a party of four has been driving northerly, on the course of a cross-cut reef, 141 feet.

The place presents favorable indications of an approach to a "new make of stone," and already there is a "strong strike of quartz making in the bottom of the drive."

There are many similar reefs to be intersected by the tunnel, and the investment of capital here can scarcely fail in realising a satisfactory result.

DUNOLLY AND TARNAGULLA DIVISIONS.

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

Dunolly Division.

The mining operations in this division during the last quarter have considerably improved, and there is every appearance of further improvement.

The Queen's Birthday Company have sunk their new main shaft to a depth of 432 feet. They are now erecting a new pumping and winding engine, 20-inch cylinder; a crushing plant, 24-inch cylinder; and a pumping engine, 14-inch cylinder, at the said new shaft. They are breaking out stone between the 300-foot and 400-foot levels, and driving south, where the water is fast increasing. They have declared dividends for the quarter to the amount of £2,400, and the mine still looks promising both above and below.

The North Birthday.—This is a new venture started within the quarter; it is in private property adjoining, and north of, the Queen's Birthday leases; they have been driving from the Queen's Birthday Company's shaft at the 300-foot level, and struck stone bearing gold estimated to yield 1 oz. per ton, and a lode 2 feet wide, which is still improving.

The King's Birthday Company have purchased the Prince of Wales Company's plant, which they are about to erect on their lease. They have sunk a second shaft to a depth of 167 feet, water preventing them going deeper without the aid of machinery.

The South Birtbday Company have almost completed the erection of a pumping and winding plant on their lease, and will soon commence operations to test the auriferous value of the ground.

The Queen's Reef Company, Moliagul, have been raising stone from the 170-foot level, and are still sinking in the lode; the stone is improving as they go down, which has determined the directors to erect a 15 to 20 stamp-heads battery.

Sydenham Company have been putting in a cross-cut at the 200-foot level to a distance of 130 feet from the shaft, where they struck the reef and obtained a prospect equal to 1 oz. per ton.

Caledonian Company, Burnt Creek, have sunk their shaft and cut a chamber, also driven a reef drive about 300 feet. They are about to erect a battery for the purpose of reducing cement, of which they have a great quantity.

Tarnagulla Division.

The Poverty Reef Company have been engaged draining their mine, and have now got the water out, and are breaking out stone, both from surface and the lower levels.

Yorkshire Company, Watt's Reef, are erecting a pumping and winding plant, which they will have finished in about six weeks, when active operations will start.

There is nothing doing in alluvial mining in this division.

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

INGLEWOOD DIVISION.

Mr. W. H. Coffey, Mining Registrar.

A small rush has set in near the old Berlin diggings, but there appears to be only room for a limited number of miners.

Within the last week both the Golden Gate Company (alluvial) and Little Gem Company (quartz) have obtained satisfactory trials, and there is a probability of a fresh company being started to work ground to the north-east of the Golden Gate Company and on the same lead.

WEDDERBURN DIVISION.

Mr. John Reach, Mining Registrar.

ALLUVIAL.

A small rush has taken place in the neighborhood of Yorkshire Flat, about ten miles north from Wedderburn, the prospector having obtained 7 dwts. from the bottom of his shaft. The sinking is very shallow, from 5 to 7 feet, the gold coarse and nuggety. There are ten claims paying, none of them very rich, and from all I can learn I do not think the rush will be of any great importance.

No quartz mines working.

No water stored for sale in this division.

REDBANK SUBDIVISION.

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

In this subdivision there is nothing to note in either alluvial or quartz mining.

ST. ARNAUD SOUTH SUBDIVISION.

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

There is nothing whatever to report in this subdivision of any importance.

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

ST. ARNAUD NORTH SUBDIVISION.

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

There is nothing of any importance to report in this subdivision.

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

CASTLEMAINE MINING DISTRICT.

CASTLEMAINE DIVISION.

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

In alluvial mining there is nothing new to report.

In quartz a new feature has been introduced at the Eureka Consols, by fixing a vertical steam-engine, with winding gear, in the 460-foot level, at 830 feet in from shaft, to wind from an incline shaft or working upon the strike of the reef. The incline at about 26 deg. is down 206 feet, passing through several shoots of gold, which the manager proposes working by a level driven back (south) under the incline. They have a large quantity of backs over the incline ready to stope.

The Chewton United engine has been employed draining the Argus Reef, enabling the Argus United to raise 633 tons, yielding 311½ ozs. of gold, but not benefiting the Argus Tribute Company, who worked the engine.

At the Burns Reef several leaders, east of the main reef and striking south, angle 32 deg., have been discovered, 24 tons crushed yielding 40½ ozs. of gold.

On Wattle Gully line the Central and Wattle Gully companies are now working upon large bodies of stone, from the 450 to the 300-foot levels, which average 6 dwts. to the ton.

The Crown Nimrod are crushing surface and old spoil-banks, taking advantage of a supply of water from their engine shaft.

The Nuggety Company have nearly completed erection of machinery, and are raising stone for crushing.

Several prospecting claims have lately been taken up, and the prospects of the division are improving.

The greater portion of mining machinery has been idle during the past quarter, and two plants have been removed from the district.

The quantity of water sold from the Coliban aqueduct:—118,484,000 gals., at ½d. per 1000 gal.; supplied to 15 parties, comprising 51 men.

FRYER'S CREEK DIVISION.

Mr. Mark Amos, Mining Surveyor and Registrar.

New Rush.—Mr. L. Williamson, who has been working in the Fryer's Creek district for some considerable time, recently discovered a new reef, or, rather, a continuance of the Ferron's line, which may ultimately prove of great importance to the district. In prospecting about the neighborhood of Commissioner's Hill, near the Burdett-Coutts Company's ground, he discovered a good-sized leader near the surface, with gold visible. A trial crushing of 4 tons

gave 4 ozs. 13 dwts. This result was considered so far satisfactory that a private company was at once formed, and another trial crushing, taking the quartz promiscuously 12 to 14 feet wide, gave 2½ dwts. to the ton. With these encouraging prospects the party have been induced to sink an underlay shaft, which is now being proceeded with, a depth of 45 feet having been attained. At 50 feet a cross-cut will be driven westerly, when it is expected a well-defined reef will be discovered, corresponding in bearing and direction with the present Ferron's line.

Ferron's Reef Company (New Era Company).—The manager reports very favorably for the past three months; the plant having been increased by the addition of ten heads of stamps, and other improvements effected of a useful and permanent character. There is a vast quantity of stone in sight of a payable nature, which will engage thirty heads of stamps for a long time. During the past quarter the company have crushed 4,581 tons of quartz, from 1 to 20 feet wide, employing 61 men; the quartz was raised from a depth of from 130 to 380 feet, and realised nearly 4 dwts. to the ton. With the present natural indications and splendid mechanical appliances, the manager is justified in anticipating very handsome dividends for some years to come; and, considering there has been no lack of skill or enterprise in connection with the management, it is a matter for congratulation to place on record such satisfactory results.

Mein's Freehold G. M. Company.—This company is progressing very satisfactorily. The claim is situated on private property, and has yielded handsome returns for many years past. The sinking is through the basaltic formation, depth about 200 feet, and the width of the lead about 130 feet. The company are about driving two main levels. The average yield is nearly 5 dwts. to the load.

Rowe Brothers (Duke of Cornwall Company).—There is nothing very encouraging to report this quarter. They are now driving at the 265-foot level, to intersect the Cattle's line of reef. The Mosquito claim has improved considerably, yielding, on an average, 9¾ dwts. to the ton. The Ferron's Reef claim, belonging to the same party, is held under lease. The main shaft is being sunk deeper to strike the level of the Ferron's Company. A cross-cut is also being driven at the 300-foot level.

English-Australian G. M. Company have now reached a depth in their main shaft of 420 feet, but propose to go still deeper in order to strike a payable line of reef.

The Fryer's Company, Black Hawk, and Duke and Duchess United are still working with their usual energy and perseverance, but there is nothing of special interest to report on this occasion.

The puddlers and sluicers have had fair returns during the past quarter; and altogether it may be safely affirmed that mining has slightly improved in a general way.

HEPBURN DIVISION.

Mr. Thomas Hale, Mining Registrar.

It is observable that an increase of population and results of gold obtain in this division over previous quarters of this year.

The Franklinford G. M. Company have put on 25 Chinese tributers, who are working on the gutter.

The Sailor Prince Company employ 14 men, as usual.

The Cornish Quartz Company are down 305 feet in the new shaft for the Crown Reef. They look forward with great hope.

The North Cornish Q. M. Company.—Angove and party are working on tribute.

The Argus Company (quartz) work with two or three parties of tributers, but not from the main shaft.

The Rising Star, Frenchman's Reef (a comparatively new venture), are working in both 50 and 100-foot levels. 650 tons gave over 18 dwts. per ton.

The Specimen Hill Q. M. Company have let a contract to drive 300 feet southerly from 545-foot level. A cross-cut will then be driven so as to cut Main and McTavish's lodes.

The Keep-It-Dark South Company have started their engine very propitiously. The results have come up to the fullest expectations of the projectors; 1 oz. 6½ dwts. per ton resulted from crushings of 330 tons. Walker's, Claus', and Wissing's claims are progressing favorably.

Water sold:—40 heads, at 10s. to 20s. per week, for one shift of eight hours; but it is estimated that 100 heads, at 15s., have been used.

	£	s.	d.
Value gold obtained from quartz	7,250	0	0
,, ,, ,, alluviums	10,000	0	0
	£17,250	0	0

The quantity of water sold during the quarter was 40 heads, and 60 heads used by copartners in races.

TARADALE AND KYNETON SUBDIVISION.

Mr. Stephen Dorman, Mining Registrar.

Alluvial.

There appears to have been a slight improvement in mining matters in this division during the last quarter. The Ironstone Hill Company are obtaining really good payable dirt from their claim. I observe that the ground adjoining has been applied for on lease, under the supposition that the gutter passes through it.

The Confluence Company have, within the past few days only, struck the gutter. The prospects are payable, and they are engaged preparing for opening out, washing, &c. It is reported that the old central ground has been again taken up, also the land adjoining, for working the alluvial.

The United Kingdom Extended Company have stopped working for some weeks.

Quartz.

The United Kingdom Company's claim has been let on tribute, and, to the present time, has paid good wages. The stone is poor, but easily obtained in large quantities.

The Trafalgar tribute have not to the present time succeeded in obtaining payable stone. They are still prospecting and keep the battery going, which enables them to pay expenses and give small dividends to working shareholders.

The Comet claim has been again taken up on tribute. The mine has been cleaned out to lowest level (320 feet), and the tributers have commenced to take out stone.

The Victoria Company are taking out stone and crushing. The returns are not good, but it is thought may be made to pay a small party.

At the Humboldt (Belltopper) two parties are engaged prospecting for the reef. It is evident a good payable reef exists in this locality, as veins are occasionally found which are very rich.

At Lauriston very little is doing, except in shallow ground, which is poor.

TARRANGOWER DIVISION.

Mr. Robert Nankivell, Mining Surveyor and Registrar.

Mining prospects have improved during the past quarter, the yield from the crushing machines being 348 ozs. more than for the previous quarter.

The German Reef Tribute Company, in driving south at the 240-foot level, where the old run of gold was lost some years ago; being cut off by a dyke, have come upon a new make of quartz. A distance of four feet has been driven into the reef, but the east face has not yet been struck. The stone, so far, shows good gold, as well as a quantity of galena and other metals that usually attend our best runs of gold. The prospects at Parkins' Reef are still good. In the bottom drive, which is 410 feet from the surface, the reef is from 8 to 12 feet in thickness, and looks well. On what is known as the spur, on the west of the main line of reef, a new make has been discovered, about 2 feet thick, which shows a good sprinkling of gold. 1,129 tons of quartz have been crushed during the quarter, yielding 501 ozs. 2 dwts. of gold. 34 men are now employed, and the mine is being opened up, with a view of placing on more hands as soon as possible. The Eaglehawk Limited Tribute Company have started pumping. The mine nas been idle for the last two years, and the water has risen about 450 feet. The cost of draining this mine will be a heavy item, as the drainage is over three-quarters of a mile in length, and a large portion of the reef, to the depth of 300 feet, has been taken out. The Eaglehawk Union Company are still cross-cutting east from the shaft, to strike the line of reef. Men are employed stoping quartz from the upper levels. 500 tons have been crushed during the quarter, for a yield of 275 ozs. 13 dwts. of gold.

The engine and plant on Welshman's Reef have been sold and removed.

Alluvial mining has improved during the quarter, owing chiefly to there having been a plentiful supply of water for washing and sluicing purposes.

ST. ANDREW'S DIVISION.

Mr. Alfred Armstrong, Mining Surveyor and Registrar.

In alluvial mining I have little or no change to report, excepting that the Union Lead Hydraulic Company, at Hoddle's Creek, finding a great increase of water in their tunnel, and, their washdirt dipping, were obliged to reduce their gradient to enable them to get to the bottom of their wash, rendering necessary a great deal of dead work, which was only completed a fortnight since. The returns for fourteen days' work gave 35 ozs. 8 dwts., which they consider a very satisfactory prospect.

Quartz.

Although the returns from quartz crushings are remarkably small, considerable preparations are being made, for larger operations.

At Warrandyte there are 1,500 tons of diorite waiting for machinery for crushing. The First Hill Company have deepened their shaft nearly 100 feet, and are now driving to cut the reef. The New Pigtail Company are erecting a powerful battery and pumping and winding gear, and making preparations for active progress.

At Hoddle's Creek a new quartz reef has been registered, and a lease on the line thereof applied for. The stone looks remarkably rich, but, as the sinking has not much exceeded 30 feet, and no trial crushing has been made, I am unable to give any account of its yield. The reef bears nearly north and south, with an easterly underlie, dipping, at present, about $\frac{3}{4}$ to 1. The vein stuff consists of laminated auriferous quartz, interspersed with ferruginous matter carrying gold, the seam varying in thickness from 9 inches to a foot. I understand machinery will shortly be erected on the ground.

The Central Company, at Reefton, let their mine on tribute, which gave good returns to the tributers, but the arrangement having expired, the works will hereafter be carried on by the company.

The Muddy Creek works have been suspended during the quarter, the company having been obliged to cut water-race nearly six miles in length to supply their battery.

At Panton Hill, Caledonia, a small payable leader has been discovered, supposed to be a branch of the Old Boomer Reef. The stone, at a depth of 14 feet, improves, and has given an average of 1 oz. 6 dwts. to the ton.

The coal works at Kilcunda are suspended, pending the construction of a proper tramway.

BLUE MOUNTAIN NORTH SUBDIVISION.

Mr. Graham McPherson, Mining Registrar.

There are a number of fossickers and sluicing parties working in this subdivision, and from what I can learn they are making good wages.

With the exception of the Energetic (alluvial), at Garlicks, there are no companies at work, and it is quite impossible to arrive at anything like a reliable return of the earnings of the individual miners.

ARARAT MINING DISTRICT.

ARARAT DIVISION.

Mr. Thomas Foyster, Mining Registrar.

Beyond two small alluvial rushes, one at the head of the Nil Desperandum Lead, and another on Church Hill Moyston, trending towards the south, and which have materially assisted in increasing our gold returns, nothing of moment has occurred during the past quarter in this division.

At the Ararat (Mitchell's Reef) quartz prospecting claim, a machinery plant, purchased from the Rhymney Reef, is now in course of erection, and the further development of the mine will have to remain in abeyance until the shaft is drained.

Another prospecting quartz claim, the Try Again, has sunk to the water-level, 273 feet, and after putting in a cross-cut to the east 17 feet, without striking fresh stone, are now driving along the course of the reef southward, the stone from which at the last crushing yielded 8 dwts. per ton.

In the Rescue Company's lease a shaft has been sunk and timbered nearly 60 feet, and is being proceeded with vigorously.

PLEASANT CREEK DIVISION.

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

The Newington and Pleasant Creek Company have, for some time past, been employed in raising quartz, but a crushing has not yet been made.

The Pleasant Creek Cross Reef Company, while continuing to lift stone up their No. 2 shaft, have been employed prospecting for the vertical and flat reefs lately and now being worked by the Oriental and other companies. They are on the track of the vertical reef, but have not yet found the lode. Neither have they yet been fortunate enough to discover the flat reef. Work in the other companies' mines is going on as usual.

The quantity of water sold for mining purposes during the quarter in this division was about 936,000 gallons.

BARKLY DIVISION.

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

There is nothing new to relate about mining matters in this division, but it will be observed that the gold yield is slightly improving.

No water sold for mining purposes during the quarter in this division.

RAGLAN DIVISION.

Mr. C. W. Minchin, Mining Registrar.

The co-operative party referred to in my last report as at work in the township of Beaufort have since abandoned the ground then being worked, which was situate in a street, in the vicinity of purchased allotments, and have commenced a shaft about a quarter of a mile further south, on the same supposed lead. Another co-operative party of 12 men have sunk and bottomed on a very good prospect of large shotty gold, at a depth of about 70 feet, at the south-west end of the old reservoir, and, the water being too much to work it by horse-power, are about erecting steam machinery thereon. Mining operations in most of the other parts of the district are very dull, except at Waterloo, where the New Victoria Company are energetically, and against many difficulties from water and loose ground, pretty successfully carrying on their works under the superintendence of their manager, Mr. James Gibbs.

No water sold for mining purposes in this division during the quarter.

GIPPSLAND MINING DISTRICT.

MITCHELL RIVER SUBDIVISION.

Mr. John Grimes Peers, Mining Surveyor and Registrar.

Nothing has occurred worthy of special mention during the quarter now ended.

Mining matters generally are in a similar state to that previously reported. No work is being performed on the mineral leases at Buchan ; no metals or minerals other than gold searched for.

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

BOGGY CREEK SUBDIVISION.

Mr. John Fletcher, Mining Registrar.

The mining industry has been extremely depressed in this district during the past quarter. Water has been scarce all the winter for gully and spur workings. But there is some improvement during the last fortnight. There is one man in an out gully who has made £40 sterling for one week, and has made good wages all the winter. There have been several pieces of gold unearthed from 6 to 7 ozs. in weight.

CROOKED RIVER DIVISION.

Mr. James Travis, Mining Registrar.

I have little change to report on mining operations. The work done in quartz mining has been rather of a tentative than permanent character, the result of which will be more apparent on the next than in the present quarter. There is a possibility of outside capital being introduced to work some of the mines in a more extended and systematic manner. Should this be the case, there can be little doubt that it will exercise a beneficial effect upon the mining interests of the division generally.

A large reef, discovered nearly thirteen years ago, but in connection with which no work of importance has ever been done, was taken up lately by a Melbourne company, and negotiations have been entered into to purchase and remove the Pioneer and Jeff Davis batteries for the purpose of working it. I am, however, not in a position to say whether or not the arrangements have been completed.

In alluvial the miners generally seem satisfied with the result of their labor.

There are no metals or minerals other than gold mined for, or water sold in this division.

JERICHO DIVISION.

Mr. R. J. Donaldson, Mining Registrar.

Quartz mining in my division is almost at a standstill; the tributers in the Harbinger being the only men employed in that way.

The alluvial miners are doing very little beyond making a living, as there has been no new ground discovered lately, and the old ground is nearly worked out.

No mining for other minerals or metals than gold.

No water sold for mining purposes during the quarter.

DONNELLY'S CREEK DIVISION.

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

Three companies have crushed during the quarter, viz., the Bismarck United, Gippsland Consols, and Florence. The first-named company have crushed 200 tons yielding 354 ozs. There have been 16 men employed breaking out stone in the tunnel known as No. 5; tunnel No. 6, which is 240 feet deeper, has been continued, and is now in 870 feet, on the supposed line of reef. No auriferous quartz has yet been met with. Some cross-cutting has been done without leading to anything.

New Hit or Miss Gold Mining Company.—Eight men employed during the quarter sinking shaft 15 feet from boundary—cut the Bismarck lode at 56 feet in depth, rising in vein, which shows 8 feet of solid stone between walls. About 100 tons are now at grass.

Victory Gold Mining Company.—Four men employed sinking underlay shaft on the lode, depth 66 feet. The lode is small, averaging 10 inches, and showing a little gold, but not payable. The manager expects to come on good stone in another 20 feet. About 40 tons of stone at grass, which may average half an ounce per ton.

Florence Gold Mining Company —Four men employed principally prospecting. 100 tons were crushed during the quarter, which did not result satisfactorily.

Gippsland Consols continues to crush about the same quantity and quality of stone as usual.

No metals other than gold mined for, and no water sold.

STRINGER'S CREEK DIVISION.

Mr. W. M. Smith, Mining Registrar.

The total yield of gold from all sources for the quarter shows an increase of 3,635 ozs. 8dwts. 1 gr. as compared with that of the previous quarter, which certainly does not look like any falling off in profitable mining in this division, notwithstanding the temporary stoppage of the Walhalla Company's battery, pending the re-organization of the company, and the consequent throwing out of regular employment for a time of a large number of miners.

The Long Tunnel Company's mine continues to look as well as ever. They are pushing on with their lowest cross-cut to intersect the reef again at 723 feet from the adit level. In this cross-cut a new eastern lode has been passed through, 26 feet wide. The stone is reported to be of good quality, showing minerals plentifully, but no gold has yet been seen in it.

There are five progressive mines on Cohen's line of reef, in all of which work is being carried on with more or less vigor. The New Happy Go Lucky Company at the Happy are busy putting in their new tunnel.

No other quartz mines are at present being worked in this division, but I hear of several likely to be started shortly. Many of the miners at present out of employment are giving their attention to prospecting the ranges for new discoveries. A prospecting association is being formed to carry out this object systematically.

Alluvial mining in the creeks and rivers continues to give a fair average remuneration.

Copper mining at Cooper's Creek appears to hold out prospects of ultimate success.

ABERFELDY SUBDIVISION.

Mr. M. Nugent, Mining Registrar.

Mining operations have been rather brisk in this subdivision during the quarter.

The Aberfeldy claim is looking very well. The Lily of the Valley Company have not been crushing during the past quarter, owing to other operations in the mine.

Report speaks of O'Brien's lease (a new claim) as looking rich.

Alluvial mining has been brisker this quarter.

Gold was the only metal mined for.

No water was sold during the quarter for mining purposes in this subdivision.

RUSSELL'S CREEK DIVISION.

Mr. C. H. Williams, Mining Registrar.

Since my last report mining on Tanjil has improved. The Great Britain claim has been doing well the last few weeks, having divided £240 between the four shareholders for four weeks work. The Lady Bowen is also paying a good wage, and others in the line have obtained good payable prospects, so that in all probability there will be a good yield of gold next quarter. All the outside places are very quiet; they are about clearing their way.

I have not been able to obtain any information from the Cross-over Creek diggings for the last quarter.

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

BENDOC SUBDIVISION.

Mr. John Nichol, Mining Registrar.

Quartz mining in this subdivision still remains at a perfect standstill, no work being done in any of the mines.

The alluvial miners still remain satisfied with their earnings. Three or four parties have been prospecting, and several have struck gold in the banks and ridges two or three hundred yards from the streams and creeks, which appear to have all been worked out. In this subdivision the miners have formerly confined themselves to river and creek claims, but as they have now discovered the gold in the banks and ridges, this may be the means of opening up a good extent of alluvial ground.

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

TARWIN SUBDIVISION.

Mr. H. M. Murphy, Mining Registrar.

There is scarcely any change in the mining of this division to be reported this quarter. Operations in every branch still continue depressed. About 15 men have made a living during the quarter by fossicking or re-washing old tailings. The Prospectors' tributers are working the new shaft with every hope of success. The Benison Flat Company have discontinued further workings.

TURTON'S CREEK.

The thirteen men at Turton's Creek are still making their living there.

LIME.

The Waratah Bay Company have suspended operations, pending the construction of more extensive appliances.

TIN.

Amey's lease has been surveyed during the quarter, and operations will be commenced as soon as the company can be floated.

TRARALGON SUBDIVISION.

Mr. Charles Denis, Mining Registrar.

There is nothing unusual in the way of mining. Since my last report two or three small gullies have been opened on the new track from Traralgon to Tarraville, with a fair prospect of gold being found in payable quantities, but the continued downpour of rain in that region during the winter months prevents them from being worked to advantage.

The members of the mining community are anxiously looking for the advent of the diamond drills in Gippsland, and it is confidently expected that with their arrival a new era in mining will be commenced.

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

APPENDIX.

OBSERVATIONS ON NEW VEGETABLE FOSSILS OF THE AURIFEROUS DRIFTS.

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

[CONTINUED.]

Eisothecaryon.

Fruit bony, globular or verging into an oval form, slightly depressed or compressed, faintly wrinkled outside, indehiscent or in age slightly bivalvular towards the summit; septum intruding longitudinally and from one side only into the cavity, reaching the middle of the fruit, very much compressed towards the wall, but turgid towards the centre of the cavity; seed unknown. I have preferred placing this new fossil into a genus established for it, rather than regarding it merely as a species of the genus Villaresia of the living creation, although the occurrence of two Villaresias in Eastern Australia at the present day may strengthen the assumption of its being represented there likewise during the Pliocene period. If, however, the view (held by many) should be adopted also in this instance, that the congruency of merely one organ of a fossil plant with that of a living one ought to suffice for establishing generic identity, then assuredly this new fossil should find its systematic location in Villaresia.

Eisothecaryon semiseptatum.

Fruit measuring from nearly one-half inch to three-quarters of an inch, oftener blunt than pointed; the turgid portion of the dissepiment somewhat hollow along its centre; seed unknown, but in all likelihood curved around the septum. A record of this and the four following fossils, together with some others, appeared already in the Report of the New South Wales Department of Mines for 1876, p. 178–180, from specimens found in the Upper Pliocene layers at Gulgong by C. S. Wilkinson, Esq., Government Geologist of New South Wales. The descriptions then given by me were, however, not accompanied by any figures, which are so essential to aid in the recognition of the species, particularly of plants now only fossil, in which, as a rule, the structure of the embryo and many other important details can no longer be traced for descriptive diagnosis. The illustrations now offered emanate from the tried skill of Major Shepherd, and will thus greatly facilitate the recognition of any of the specific forms now under review. It was deemed desirable to give to these new fossils a place also in the series of Victorian species; although, as yet, they have not been discovered actually within the boundaries of our colony; but inasmuch as at Gulgong all these new species are associated with many others which do occur in the Upper Pliocene formation of Victoria also, it may be safely inferred that they belonged all to a complex of silvan vegetation in past ages of wide distribution through the territory now occupied by both colonies.

EXPLANATION OF LITHOGRAM.

PLATE XV.

FIG. 1.—Front- and side-view of the fruit.
2.—Longitudinal section of the same.
3.—Transverse section of the same.
4.—A fruit showing imperfect dehiscence.
5.—Longitudinal section of the same.

All natural size.

EISOTHECARYON SEMISEPTATUM

Figs.1—5

PHYMATOCARYON BIVALVE

Figs 6–9

ILLICITES ASTROCARPA

Figs 10–14

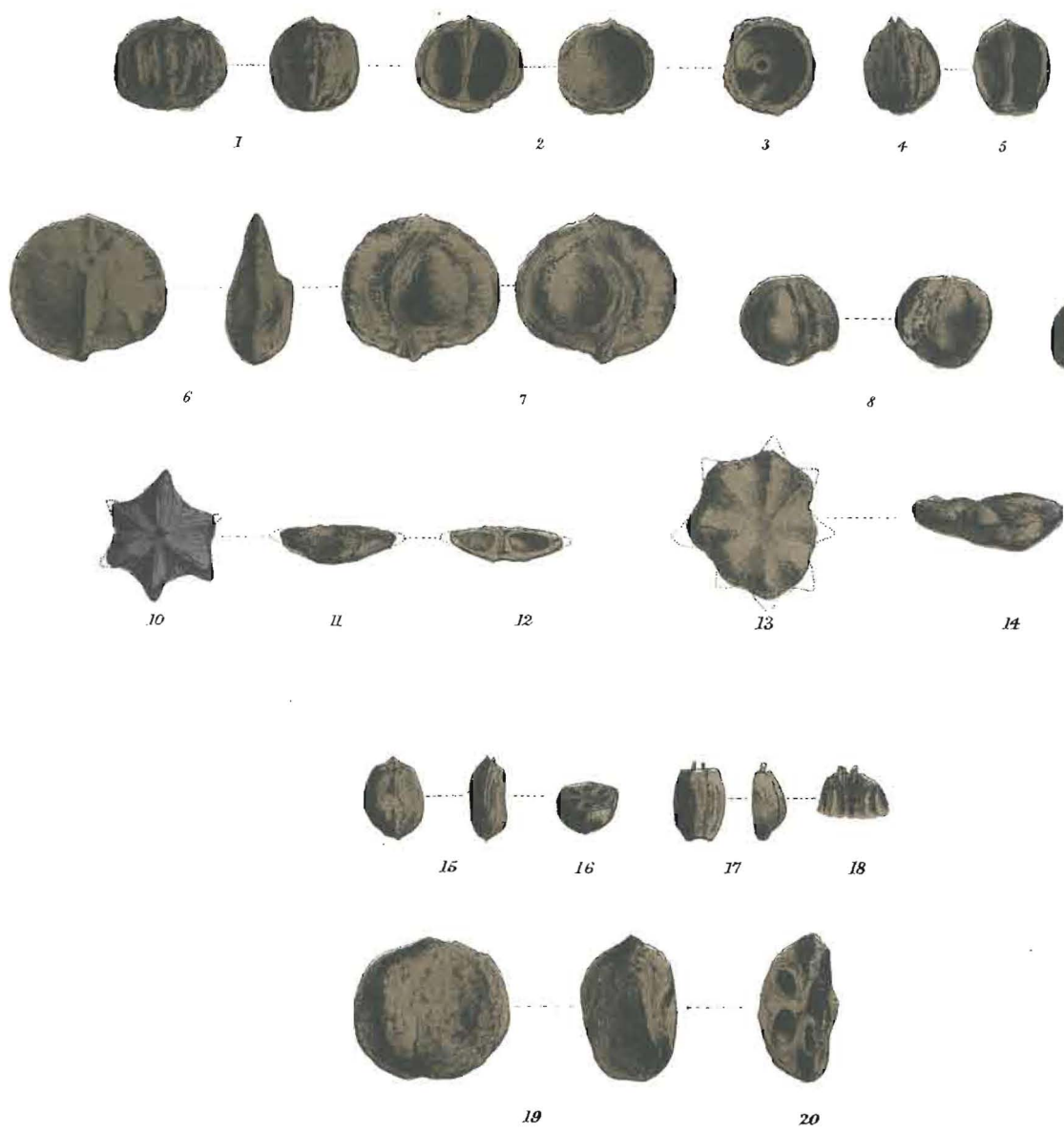
PLEIACRON ELACHOCARPUM

Figs 15–18

PENTACOILA GULGONGENSIS

Figs 19-20

F von MUELLER.



R. Shepherd Del et Lith.

Phymatocaryon bivalve.

Fruit roundish, much compressed, bivalved, two-celled, blunt or slightly protracted at the extremities, almost smooth or but slightly tubercular outside, the valves diverging finally from near their base, one of the cells only seed-bearing or more rarely a seed in each cell developed. Seed exceeding half the length of the valve, oblique-oval, somewhat pointed.

This species differs from P. angulare in having merely two valves, which, moreover, are more acute at the edge. Unacquainted as we are with the foliage and flowers of the plants which yielded these fruits, we are justified in treating them at present as if they belonged to one genus. Familiar instances of a similar kind are afforded in the living vegetation by many genera, for instance, Pittosporum and Celastrus, in which different species occur with two or more fruit valves.

EXPLANATION OF LITHOGRAM.

PLATE XV.

FIG. 6.—Front- and side-view of a fruit.
7.—Longitudinal section of the same.
8.—A smaller fruit, laid open longitudinally.
9.—Front- and side-view of a seed.
All natural size.

Illicites.

Fruit starlike expanded, consisting of 6–8 carpels; these, radiating in one series, connate towards their base, free towards the summit, and gradually pointed; almost flat on the lower side, very convex on the upper side, there longitudinally dehiscent, outside wrinkled and streaked as well as slightly granular-rough; vertex of the axis excavated. Seeds unknown.

So far as the very scanty material for examination extends, it might induce us to place this organic relic near the genus Illicium of the living creation, but as nowhere else any species of that genus has hitherto been found among fossils, it was regarded as safer to frame a separate generic name of similar wording, in accordance with palæontographic usage, for the fossil allied plant. Flowers and foliage, as well as perfect seeds, would also be needed to establish for this fossil an undisputed position in or near the living genus. As an addition to the Magnoliaceæ of past geologic periods this plant is of particular interest, fossil remnants only of the genera Magnolia and Liriodendron being hitherto on record from this order, and these again mainly of the cretaceous epoch, if indeed their generic recognition was always free of doubt, their description resting often on leaves merely. So also very recently Professor Lesquereux defines anew some supposed Magnoliæ from leaf-fragments alone in Dr. Hayden's superb series of volumes on the United States geologic survey (Vol. VII., 247–250, t. XLIV. & XLV.). But however valuable these records of fossil foliage may be for aid in defining the age of geologic sediments, yet, in most instances, the evidence hitherto brought forward does not prove conclusively the generic or even ordinal recognition of such relics. By the aid of the microscope we may yet hope to be able to obtain characteristics of diagnostic value from the anatomy of leaves sufficiently positive to recognize ordinal and even perhaps generic groups. But, unfortunately, very often in fossil leaves the delicate cell-walls and the tender membranes of their vascular structure are too much destroyed for obtaining thus far objects for the compound microscope, otherwise we should have a powerful auxiliary for settling the affinity of many obscure remains of plants. How far this can be done even with living plants remains yet to be extensively studied; but I was enabled, for instance, to demonstrate the occurrence of Epacrideæ in New Guinea from the microscopic comparison of the leaf-epidermis of a species, brought from thence without flowers and fruits, with the very peculiar cuticle of many Epacrideæ easily recognized microscopically.

Illicites astrocarpa.

Diameter of fruit one-half to one inch, height very much less; in one specimen smaller than those figured but much deformed, the acute radiating points are well preserved.

EXPLANATION OF LITHOGRAM.

PLATE XV.

FIGS. 10 and 13.—Fruit seen from above, the points partly worn away.
11 and 14.—Lateral view of fruit.
12.—Longitudinal section of the same.
All natural size.

Pleiacron.

Fruit small, bony, ovate, smooth, truncate at the summit, terminated by four or six tooth-like short protrusions, 4–6 celled, indehiscent. Seeds solitary in each cell, clavate-ellipsoid, the narrow end upwards.

Pleiacron elachocarpum.

Fruit only about half-an-inch long or less; the impression of the summit shallow, the teeth almost blunt; a short perforation at the base; cells stretching along the whole length of the fruit. Mode of attachment of the seed not yet ascertained. In the original description the form with four cells was regarded as typical, possibly that with six cells and six teeth may prove specifically distinct. The latter was found

to be provided with a short and very thin stalklet. The species had to be described from a solitary specimen of each form, not well preserved either. Not only of Pleiacron but also of the four other genera now illustrated, additional material has to be searched for, to improve upon this first attempt of assigning to them systematic limits.

EXPLANATION OF LITHOGRAM.

PLATE XV.

FIG. 15.—Front- and side-view of a fruit. } Natural size.
16.—Transverse section of the same. }
17.—Front- and side-view of the 4-celled form; natural size.
18.—Summit of the same; magnified.

Pentacoila.

Fruit bony, compressed-globular, indehiscent, slightly rough outside, five-celled. Seed solitary in each cell, oval, compressed. Its nearest affinity, so far as can be judged from fruit alone, seems to be with Tricoilocaryon (Reports of the Mining Surveyors and Registrars, Victoria, Quarter ended 31st March 1878, p. 35, pl. XIV.).

Pentacoila Gulgongensis.

Fruit nearly or fully an inch in length, perhaps hardened only by fossilification; cavities rather narrow, their walls smooth.

EXPLANATION OF LITHOGRAM.

PLATE XV.

FIG 19.—Front- and side-view of a fruit.
20.—Transverse section of the same.

Natural size.

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