1882.

VICTORIA.

REPORTS

OF THE

MINING SURVEYORS & REGISTRARS.

QUARTER ENDED 31ST MARCH 1882.

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

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Amherst Division	Mr. C. Smith, Mining Registrar	10, 16, 17, 20, 33
Avoca Subdivision	Mr. D. O'Leary, Mining Surveyor and Registrar	16, 20, 33
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Castlemaine Division	Mr. T. L. Brown, Mining Surveyor and Registrar	11, 13, 14, 20, 35
Fryer's Creek Division	Mr. Mark Amos, Mining Surveyor and Registrar	11, 14, 16, 17, 20, 36
Hepburn Division	Mr. Thos. Hale, Mining Registrar	11, 14, 16, 20, 37
Taradale and Kyneton Subdivision	Mr. S. Dorman, Mining Registrar	11, 17, 21, 37
Tarrangower Division	Mr. Robt. Nankivell, Mining Surveyor and Registrar	12, 13, 17, 21, 37
St. Andrew's Division	Mr. Alfred Armstrong, Mining Surveyor & Registrar	12, 13, 17, 21, 38
Blue Mountain North Subdivision	Mr. Graham McPherson, Mining Registrar	21, 38

ARARAT MINING DISTRICT.

Ararat Division	Mr. Thos. Foyster, Mining Registrar	21, 38
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GOLD MINING STATISTICS FOR THE QUARTER ENDED 31st MARCH 1882.

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 31st March 1882.*)

DISTRICT, DIVISION, AND SUBDIVISION.	Alluvial Miners.		Quartz Miners.		Total Number of Miners.	MACHINERY EMPLOYED IN ALLUVIAL MINING.													MACHINERY EMPLOYED IN QUARTZ MINING.							Approximate Value of Mining Plant.	Number of Square Miles of Auriferous Ground actually worked upon.	Number of distinct Quartz Reefs actually proved to be Auriferous.	Price of Gold per ounce.	
						Steam Engines employed in Winding, Pumping, &c.		Steam Puddling Machines.	Buddles.	Horse Puddling Machines.	Whims.	Whips or Pulleys.	Sluices, Toms, and Sluice-boxes.	Hydraulic Hoses.	Pumps.	Water-wheels.	Quicksilver and Compound Cradles.	Stamp-heads (crushing cement).	Boring Machines.	Steam Engines employed in Winding, Pumping, Crushing, &c.		Crushing Machines driven by other power than Steam.	Stamp-heads (crushing quartz or other vein stuff).	Buddles.	Winding, Washing, Pumping, or other Machines moved by Water-power.	Whims.	Whips or Pulleys.	Boring Machines used in Blasting.				From	To
	Europeans.	Chinese.	Europeans.	Chinese.		Number.	Aggregate Horse-power.												Number.	Aggregate Horse-power.										
																													£ s. d.	£ s. d.
BALLARAT.																														
Central Division	195	160	2,650	—	3,005	8	935	9	—	19	24	9	20	—	15	—	—	—	—	108	2,617	—	570	3	—	30	4	—	£ 153,180	39	24	4 2 6	4 3 3
Southern Division	505	120	95	¼	721	1	20	—	—	8	8	6	24	1	3	—	—	—	—	7	125	—	67	1	—	4	1	—	14,600	16	19	4 0 0	4 2 9
Buninyong Division	60	30	353	7	450	4	75	3	—	11	3	—	15	—	5	—	—	—	—	20	380	—	102	1	—	14	3	—	30,000	16½	15	4 0 0	4 2 6
Smythesdale Division	517	600	25	—	1,142	26	590	31	3	14	4	—	14	—	—	—	2	10	—	5	75	—	49	—	—	2	1	—	18,500	18	12	4 0 0	4 2 6
Creswick Division	1,504	170	840	—	2,514	61	1,709	33	—	12	12	2	600	—	—	—	—	10	10	31	1,069	—	270	22	—	6	4	5	137,000	13	16	4 0 0	4 3 0
Gordon Subdivision	—	—	563	30	593	—	—	—	—	—	—	—	—	—	—	—	—	—	—	21	587	—	133	—	—	5	—	—	25,334	3½	19	4 0 0	4 1 0
Steiglitz Subdivision	50	20	140	—	210	—	—	—	—	—	2	—	—	—	—	—	—	—	—	6	120	—	34	—	—	6	—	—	4,850	75	210	3 17 6	4 2 0
Blackwood Division and Blue Mountain South Subdivision	100	120	230	—	450	—	—	—	—	—	—	—	300	—	16	15	—	—	—	20	346	9	207	—	—	16	—	—	50,000	4½	32	3 17 6	4 0 0
Ballan Subdivision	4	—	—	—	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	3	3 18 6	3 19 6
Totals	2,935	1,220	4,896	38	9,089	100	3,329	76	3	64	53	17	973	1	39	15	2	20	10	218	5,319	9	1,423	27	—	83	13	5	433,464	186½	350		
BEECHWORTH.																														
Beechworth Division	573	573	114	—	1,265	2	25	—	—	4	6	3	5,200	3	20	14	—	—	2	7	115	5	75	—	1	5	—	—	21,970	47	110	3 18 6	4 2 6
Yackandandah North Subdivision	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Yackandandah South Subdivision	166	118	96	—	380	3	14	—	—	—	—	—	2,000	3	24	16	—	—	—	5	80	1	58	1	—	1	2	—	10,510	15	117	3 10 9	4 1 6
Indigo Division	315	234	90	—	669	8	249	10	—	6	4	9	39	—	7	—	—	—	1	5	64	—	41	—	—	2	—	—	27,718	8½	28	4 0 0	4 1 0
Buckland Division	87	674	227	6	994	—	—	—	—	—	—	—	4,200	5	20	27	—	—	—	8	100	7	110	1	2	—	—	—	17,090	54	209	3 18 0	4 0 0
Wandiligong Subdivision	14	31	115	—	160	—	—	—	—	—	—	—	250	—	1	1	—	—	—	9	122	5	117	—	—	—	—	—	17,500	27	170	3 18 0	4 1 0
Alexandra Subdivision	100	8	115	16	239	—	—	—	—	2	5	11	120	—	5	5	—	—	—	9	159	1	68	—	—	4	4	—	6,645	36	74	3 16 6	4 0 6
Dry Creek Subdivision	44	34	13	1	92	—	—	—	—	—	—	—	270	—	2	2	—	—	—	1	12	1	20	—	—	—	—	—	2,060	7¾	2	3 15 0	4 0 0
Benalla Subdivision	35	—	36	—	71	2	22	2	—	1	2	1	2	—	3	—	—	—	—	2	20	—	16	—	—	—	6	—	2,846	10	4	3 12 0	4 2 3
Gaffney's Creek Subdivision	44	6	50	—	100	—	—	—	—	—	—	—	120	—	8	8	—	—	—	4	68	12	172	1	3	—	—	—	17,330	24	19	3 16 0	3 18 6
Wood's Point Subdivision	100	2	61	—	163	—	—	—	—	—	—	—	120	—	9	9	—	—	—	11	172	11	207	2	—	1	—	—	27,685	18	95	2 16 6	3 18 6
Big River Subdivision	65	2	28	—	95	—	—	—	—	—	—	—	120	—	9	9	—	—	—	3	36	—	30	—	—	—	—	—	3,494	33	14	3 16 6	3 18 6
Mitta Mitta North Subdivision	—	—	300	—	300	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	80	—	24	—	—	—	—	—	4,000	18	11	3 10 0	3 15 0
Mitta Mitta South Subdivision	30	9	8	—	47	—	—	—	—	—	—	—	8	1	3	—	—	—	—	1	10	1	11	—	—	—	—	—	1,400	12	6	3 10 0	3 12 0
Bethanga Subdivision	—	—	64	—	64	—	—	—	—	—	—	—	—	—	—	—	—	—	—	5	130	—	—	—	—	—	—	—	7,000	20	22	3 10 0	3 15 0
Jamieson Subdivision	100	20	130	—	250	—	—	—	—	—	—	—	450	—	—	—	—	—	—	4	47	3	74	—	—	—	—	—	16,000	9	27	3 14 0	3 18 3
Totals	1,678	1,741	1,447	23	4,889	15	310	12	—	13	17	24	12,899	12	111	91	—	—	3	77	1,215	47	1,023	5	6	12	13	—	183,248	339¼	908		
SANDHURST.																														
Sandhurst Division	990	650	4,180	30	5,850	7	12	—	—	64	—	102	—	—	6	—	—	71	—	219	4,480	—	1,300	3	—	195	195	60	475,000	26	328	3 18 3	3 18 3
Kilmore Division	30	12	150	—	192	—	—	—	—	—	—	—	—	—	—	—	—	—	—	10	120	—	60	—	—	1	2	2	9,000	27	117	3 16 0	3 19 0
Heathcote Division and Waranga South Subdivision	150	40	345	—	535	1	12	1	—	30	4	10	30	—	30	—	—	—	—	15	310	—	127	—	—	7	20	—	26,360	81	204	3 18 6	4 1 0
Waranga North Subdivision	63	40	151	—	254	—	—	—	—	15	—	—	—	—	—	—	3	—	—	9	168	—	79	—	—	3	20	—	9,375	11	130	3 17 3	3 18 6
Totals	1,233	742	4,826	30	6,831	8	132	1	—	109	4	112	30	—	36	—	3	71	—	253	5,078	—	1,566	3	—	206	237	62	519,675	145	779		
MARYBOROUGH.																														
Maryborough Division	1,250	320	730	—	2,300	27	892	21	—	160	30	12	—	—	6	2	35	77	1	17	463	—	160	2	—	20	27	—	108,516	5½	172	4 0 0	4 2 0
Majorca Subdivision	175	10	15	—	200	9	163	11	—	10	8	2	8	—	8	1	6	—	1	1	25	—	—	—	—	—	—	—	11,100	2?	1	4 0 0	4 1 6
Amherst Division	442	120	110	—	672	7	109	8	—	62	5	5	63	—	64	—	8	12	—	11	158	—	46	—	—	4	3	—	17,592	7	30	3 15 0	4 2 0
Avoca Subdivision	520	170	100	—	790	7	325	5	—	100	3	—	36	—	17	1	4	—	1	5	88	—	73	—	—	4	4	—	22,783	18½	42	4 0 0	4 0 0
Dunolly and Tarnagulla Divisions	435	300	807	—	1,542	3	80	—	—	44	6	—	4	—	—	—	4	30	—	37	693	—	246	—	—	21	12	5	64,492	18	194	4 0 0	4 2 3
Inglewood Division	350	240	190	—	780	—	—	13	—	—	—	—	—	—	—	—	15	—	—	9	130	—	39	—	—	8	7	—	7,985	19	74	3 17 0	3 19 0
Wedderburn Division	107	23	10	—	140	—	—	—	—	11	1	—	3	—	—	—	—	—	—	2	35	—	16	—	—	1	—	—	1,515	37	11	3 19 6	4 0 0
Redbank and St. Arnaud South Subdivisions	156	88	26	—	270	—	—	—	—	12	—	1	6	—	—	—	3	—	—	3	39	—	20	—	—	2	2	—	2,530	21¾	36	3 16 0	4 0 0
St. Arnaud North Subdivision	103	105	335	—	543	—	—	—	—	4	5	—	—	—	—	—	—	—	—	14	310	—	118	2	—	17	22	—	40,557	7	70	3 15 0	4 1 0
Totals	3,538	1,376	2,323	—	7,237	53	1,574	58	—	403	58	20	120	—	95	4	75	119	3	99	1,941	—	718	4	—	77	77	5	276,180	136½	630		
CASTLEMAINE.																														
Castlemaine Division	364	260	301	—	925	1	24	3	—	52	—	—	160	8	6	1	—	—	—	23	416	1	180	5	1	16	22	1	44,480	9¼	103	3 17 6	4 0 0
Fryer's Creek Division	680	400	308	—	1,388	4	78	—	—	39	6	15	306	—	23	2	2	24	—	20	546	—	148	4	1	9	15	—	72,917	28¾	37	3 17 6	3 18 0
Hepburn Division	232	313	366	3	964	1	8	—	—	9	4	59	68	—	30	2	1	4	1	27	472	—	194	1	2	17	30	—	31,640	82	89	3 17 0	4 0 0
Taradale and Kyneton Subdivision	330	105	20	—	455	6	125	—	—	6	4	5	6	—	—	—	—	—	—	2	24	—	12	—	—	—	2	—	15,000	28	19	3 17 6	4 1 0
Tarrangower Division	50	168	343	—	561	—	—	—	—	13	—	—	17	—	17	—	21	—	—	34	721	—	250	—	—	24	3	2	54,523	4½	76	3 18 0	4 1 6
St. Andrew's Division	194	95	57	—	346	1	10	2	—	7	9	8	100	10	4	8	—	—	—	10	148	4	62	—	2	6	—	—	8,413	15½	78	3 18 6	4 0 0
Blue Mountain North Subdivision	112	—	32	—	144	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	30	—	—	—	—	—	—	—	1,100	4	4	3 17 6	3 18 0
Totals	2,012	1,341	1,427	3	4,783	13	245	5	—	126	23	87	657	18	80	13	24	28	1	118	2,357	5	846	10	6	72	72	3	228,073	172	406		
ARARAT.																														
Ararat Division	190	220	40	—	450	6	125	—	—	11	3	4	36	—	12	—	4	11	—	4	62	—	23	—	—	2	3	—	10,500	39	30	3 17 0	4 2 0
Pleasant Creek Division	456	200	614	—	1,270	8	115	1	—	1	4	—	25	—	—	—	26	70	—	33	1,218	—	324	—	—	47	10	7	140,812	27	37	3 13 0	4 1 0
Barkly Division	270	60	—	—	330	—	—	—	—	12	1	1	12	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	240	16	9	3 19 6	4 0 6
Raglan Division	466	122	12	—	600	17	350	15	—	7	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	15,500	6½	5	4 0 0	4 1 6
Totals	1,382	602	666	—	2,650	31	590	16	—	31	10	7	73	—	12	—	30	81	—	37	1,280	—	347	—	—	49	13	7	167,052	88½	81		
GIPPSLAND.																														
Omeo Subdivision	118	214	30	2	364	—	—	—	—	—	—	—	1,000	2	15	15	—	—	—	1	17	1	21	—	—	—	—	—	2,900	14	28	3 9 0	3 16 6
Gibbo Subdivision	84	13	18	—	115	—	—	—	—	—	—	—	360	—	—	7	—	—	—	—	—	2	4	—	—	—	—	—	400	15	4	3 0 0	3 10 0
Mitchell River and Boggy Creek Subdivisions	220	80	20	—	320	—	—	—	—	—	—	—	—	—	—	—	—	—	—	3	80	—	16	—	—	—	—	—	1,300	24	26	3 17 0	3 19 0
Crooked River Division	75	6	23	—	104	—	—	—	—	—	—	—	46	—	12	12	—	—	—	5	66	4	68	—	—	—	—	2	8,827	27¾	322	3 12 0	4 0 0
Dargo Subdivision	96	35	27	—	158	—	—	—	—	—	—	—	60	—	—	6	—	—	—	4	69	1	46	—	—	—	—	—	5,550	30	10	3 10 0	4 0 0
Jericho Division	88	58	48	—	194	—	—	—	—	—	—	—	110	—	20	20	—	—	—	5	60	2	62	1	—	—	—	—	4,210	26	33	3 15 0	3 17 6
Aberfeldy Subdivision	50	6	46	—	102	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	10	3	40	—	—	—	—	—	3,250	20	5	3 15 0	3 16 0
Donnelly's Creek Division	70	4	52	—	126	1	10	—	—	—	1	—	30	—	—	—	—	—	—	3	58	3	120	—	—	—	—	—	12,160	6½	19	3 10 0	4 0 0
Stringer's Creek Division	108	4	328	—	440	—	—	—	—	—	—	—	—	—	—	—	—	—	—	17	355	—	122	2	—	—	—	—	46,180	7	13	3 10 0	4 0 0
Russell's Creek Division	65	1	16	—	82	—	—	—	—	1	—	—	40	—	1	—	5	—	—	—	—	1	3	—	—	—	—	—	330	23	16	3 5 0	3 18 0
Bendoc Subdivision	76	23	—	—	99	—	—	—	—	1	—	—	—	—	4	4	6	—	—	—	—	1	10	—	—	—	—	—	387	23	13	3 16 0	3 16 6
Tarwin Subdivision	61	3	4	—	68	3	28	—	—	—	2	—	—	—	3	—	5	2	—	—	—	1	5	—	—	1	—	—	1,300	3	7	3 15 6	3 15 6
Traralgon Subdivision	65	—	—	—	65	—	—	—	—	—	—	—	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	110	1½	1	3 15 0	3 18 6
Totals	1,176	447	612	2	2,237	4	38	—	—	2	3	—	1,668	2	54	65	6	10	2	39	715	19	517	3	—	1	—	2	86,904	220½	497		
GRAND TOTALS	13,954	7,469	16,197	96	37,716	224	6,218	168	3	748	168	267	16,420	33	427	188	140	329	19	841	17,905	80	6,440	52	12	500	425	84	1,894,596	1,288¼	3,651		

T. COUCHMAN,
Secretary for Mines and Water Supply.

Department of Mines and Water Supply, Melbourne, 19th April 1882.

No. 27.

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* 31*st March* 1882.)

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.	Dip of the Shoot of Quartz.	Strike of the Reef.	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	750	1,575	0 7 7	2 0	W. 3ft. in 6ft.	N.	N.	Temperance	Band of Hope	956	950	750	
Southern Division	Black Hill	Black Hill	Sface. to 600	1,909	0 8 0	2 in. to 3 ft.	..	E.	N.	Black Hill	Black Hill	600	600	600	
Buninyong Division	Little Hopewell Trib. No. 1	Staffordshire	227	402	0 3 17	8 0*	W. 70°	S.	..	Little Hopewell	Staffordshire	520	500	500	* A well defined lode.
Smythesdale Division	Imperial	Hiscocks	112	2,429	0 2 2	12 to 40 0	E. 66°	N.	N. 8° W.	Imperial	Hiscocks	410	400	400	
	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Creswick Division	Port Phillip	Clunes	Sface. to 990	7,248	0 5 18*	2 to 30 0	4 reefs E. 30° 2 reefs W. 30°	N.	W. 15°	Port Phillip	Clunes	1,193	1,090	1,190	* Including pyrites.
	New North Clunes	Clunes	690 to 1,105	634	0 8 19*	2 to 7 0	W. 15°	N.	N. 8° E.	New North Clunes	Clunes	1,105	1,105	1,105	* Including pyrites.
Gordon Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	Black Horse United	Big Hill	930	920	920	
Steiglitz Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Blackwood Division and Blue Mountain South Subdivision	New Sultan	Sultan and others	40 to 500	1,309	0 8 4*	6 in. to 3 ft.	Varies	Varies	N. 11° W.	New Sultan	Sultan and others	914	900	900	*Including pyrites.
Ballan Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
BEECHWORTH.															
Beechworth Division	Reform	Reform, Myrtleford	450	190	0 1 6	12 0	W.	S.	W.	Best and Co.	Excelsior	310	180	180	
Yackandandah North Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Yackandandah South Subdivision	Bigelowe and Co.	Bon Accord	80	120	0 10 0	2 0	W.	S.	N.	Bigelowe and Clingan	Homeward Bound	450	420	..	
Indigo Division	Magenta Tribute	Magenta	190	411	0 7 10	18in.to2 6	W. 87°	N. 20°	N. 20° W.	Magenta Tribute	Magenta	290	290	200	
Buckland Division	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Wandiligong Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Alexandra Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Dry Creek Subdivision	Unee Claim	Unee	130	660	0 5 0	20 0	S.	S.	W.	.. .. ..	.. .. ..	..	..	..	
Benalla Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Gaffney's Creek Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Wood's Point Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Big River Subdivision	Londonderry Q. M.	Railway	600	200	0 3 0	2 0	Vertical	N.W. 33°	N.W. 33°	.. .. ..	.. .. ..	..	..	..	
Mitta Mitta North Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Mitta Mitta South Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Jamieson Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
SANDHURST.															
Sandhurst Division	Belmont and Saxby	St. Mungo	658	727	1 12 8	50 0	..	..	..	Koch's Pioneer	Garden Gully	1,350	1,450	1,450	Not sinking.
	North Shenandoah	New Chum	900	1,683	1 2 5	8 in. to 2 ft.	..	..	..	Hercules and Energetic	Victoria	1,340	1,260	1,320	Not sinking.
	New Chum Consolidated	New Chum	800	1,589	1 7 15	1 8	..	..	..	New Chum and Victoria	New Chum and Victoria	1,230	1,230	1,230	Not sinking.
Kilmore Division	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Heathcote Division and Waranga South Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Waranga North Subdivision	Sutherland and Co.	Phœnix	60	195	1 4 16	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
MARYBOROUGH.															
Maryborough Division	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Majorca Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Amherst Division	.. .. ..	.. .. ..	..	..	..	..	..	..	..	Union Q. M.	Church Hill	400	400	400	
Avoca Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Dunolly and Tarnagulla Divisions	Queen's Birthday	Bealiba	400 to 500	6,702	0 6 14	6 to10 0	E. 85° 15′	S. 15°	N. 18° W.	Queen's Birthday	Bealiba	645	600	600	
	Yorkshire	Watts	270 to 332	1,378	0 6 20	7 0	W. 80°	N.	N. 10° W.	Yorkshire	Watts	410	332	400	
Inglewood Division	Burke's Flat Q. M.	Lilliputian	690 to 754	1,270	0 6 12	16 0	..	..	..	Old Poverty	Poverty	680	..	674	
Wedderburn Division	.. .. ..	.. .. ..	..	..	..	..	..	..	..	Burke's Flat Q. M.	Lilliputian	754	754	754	
Redbank and St. Arnaud South Subdivisions	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
St. Arnaud North Subdivision	Lord Nelson	Western	100 to 680	..	..	6 in. to 3 ft.	W.	S.	N. 10° W.	Lord Nelson	Western	689	680	680	
CASTLEMAINE.															
Castlemaine Division	Wheal Terrill Trib.	Wattle Gully	300	626	0 19 9	3 6	W. 75°	N.	N. 2° 30′ W.	Forest Creek	Wattle Gully	563	450	550	
Fryer's Creek Division	New Era	Ferron's	80 to 380	4,938	0 3 11	6 in. to 20 ft.	E. 36°	..	N. 14° W.	New Era	Ferron's	514	500	500	
	Rowe Bros.	Cattle's	10 to 350	2,215	0 3 14	5 to 20 0	W. 50°	N. 1 in 8	N. 5° E.	Rowe Brothers	Cattle's	352	175	175	
Hepburn Division	German Gully	German Gully	334	96	1 7 0	30 0	W. 45°	S. 48°	N. 20° W.	Cornish	Collier's	433	360	360	
	Rising Star	Blind Creek	300	3,550	0 5 3	7 0	S. 22°	W. 22°	N. 18° W.	.. .. ..	.. .. ..	..	..	..	
Taradale and Kyneton Subdivision	Rising Sun	Burra Burra	150	5	0 19 0	0 10	..	..	E.	.. .. ..	.. .. ..	..	..	..	
Tarrangower Division	Great Western Cymru	Beehive	480	250	1 0 4	7 0	W. 80°	S. 45°	N. 15° W.	Central United	Eaglehawk	500	400	400	
	Iron Clad	Lisle's	140	9	5 12 18	2 6	E. 45°	S. 30°	N. 12° W.	Tarrangower Nuggety	Nuggety	350	297	297	
St. Andrew's Division	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Blue Mountain North Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
ARARAT.															
Ararat Division	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Pleasant Creek Division	Oriental	.. .. ..	1,120	225	0 19 14	..	..	..	..	Magdala	.. .. ..	2,409	2,048	2,002	
										Newington	.. .. ..	1,940	1,510	1,510	
										Prince Patrick	.. .. ..	1,830	1,500	1,500	
										Prince Alfred	.. .. ..	1,680	1,026	1,026	
										Crown Cross Reef United	.. .. ..	1,611	1,000	1,000	Still sinking.
										Oriental	.. .. ..	1,467	1,238	1,238	Still sinking.
										Pleasant Creek Cross Reef	.. .. ..	1,220	1,200	1,200	
										Extended Cross Reef	.. .. ..	1,090	1,070	1,070	
										West Scotchman's	.. .. ..	1,052	800	800	
										Scotchman's United	.. .. ..	1,018	1,000	1,000	
Barkly Division	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Raglan Division	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
GIPPSLAND.															
Omeo Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Gibbo Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Mitchell River & Boggy Ck. Subdivisions	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Crooked River Division	.. .. ..	.. .. ..	..	..	..	..	..	..	..	New Good Hope	Good Hope	700	..	700	
Dargo Subdivision	Fogarty and Co.	Parnell	80	10	1 6 9	2 0	W.	N.	N. and S.	Berrigun	Republic	120	80	80	
Jericho Division	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Aberfeldy Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Donnelly's Creek Division	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Stringer's Creek Division	Long Tunnel	Cohen's	300 to 723	4,538	0 18 12	8 0	W. 58°	N. 32°	N.W. 20°	Long Tunnel	Cohen's	830	823	823	Below adit.
										Long Tunnel Extended	Cohen's	630	600	600	Below adit.
Russell's Creek Division	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Bendoc Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Tarwin Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	..	..	..	
Traralgon Subdivision	.. .. ..	.. .. ..	..	..	..	..	..	..	..	.. .. ..	.. .. ..	-	..	..	

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 31st March 1882...	83,497	8	106,329	0	189,826	8

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 31st March 1882...	64,023	17

NOTE.—In addition to the above, gold specie from all sources was exported to the value of £958,816.

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 31st March 1882.

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.
36,772·09	162,714·76	172,325·34	32,458·024

Royal Mint,
Melbourne, 5th April 1882.

V. DELVES BROUGHTON,
Deputy Master of the Royal Mint, and Chief Officer of the Melbourne Branch.

STATEMENT of VICTORIAN GOLD received at the Melbourne Branch of the ROYAL MINT during the Quarter ended 31st March 1882.

Gross Weight of Rough Gold.	Gross Weight of Gold Bullion.
oz.	oz.
8,016·76	149,549·48

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

Royal Mint,
Melbourne, 5th April 1882.

V. DELVES BROUGHTON,
Deputy Master of the Royal Mint, and Chief Officer of the Melbourne Branch.

QUARTZ, QUARTZ TAILINGS, PYRITES, ETC.

SUMMARY.

THE following information has been obtained relative to the AVERAGE YIELD OF GOLD from certain parcels 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. qrs.	oz. dwt. gr.	oz. dwt. gr.
Ballarat	106,486 5 0	0 6 23·04	37,059 12 4
Beechworth	5,960 0	0 8 10·9	2,519 7 14
Sandhurst	54,339 0 0	0 11 2·97	30,223 14 17
Maryborough	14,427 19 0	0 8 4·93	5,919 9 22
Castlemaine	21,203 0 0	0 5 3·83	5,470 2 18
Ararat	15,690 12 0	0 5 19·89	4,573 1 21
Gippsland	5,732 17 0	0 19 6·96	5,529 7 6
Totals	223,839 13 0	0 8 3·77	91,294 16 6
Quartz Tailings and Mullock.			
Ballarat	110 0 0	0 2 10·7	13 9 1
Beechworth	135 0 0	0 13 20·98	93 13 0
Sandhurst	290 0 0	0 1 5·96	18 2 0
Maryborough	255 0 0	0 2 1·6	26 8 0
Castlemaine	2,120 0 0	0 1 3	119 5 18
Ararat	664 0 0	0 0 22·71	31 8 12
Gippsland	140 0 0	0 10 0	70 0 0
Totals	3,714 0 0	0 2 0·12	372 6 7
Pyrites and Blanketings operated on.			
Ballarat	438 15 0	2 5 12·64	998 14 18
Beechworth	...	...	...
Sandhurst	515 0 0	2 6 23·25	1,209 9 0
Maryborough	...	...	...
Castlemaine	262 10 0	1 17 19·43	496 5 0
Ararat	...	...	...
Gippsland	...	...	...
Totals	1,216 5 0	2 4 11·32	2,704 8 18

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, 19th April 1882.

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 AVERAGE YIELD OF GOLD from certain parcels of QUARTZ Crushed in the several Divisions and Subdivisions of each Mining District during the Quarter, and the GOLD obtained therefrom.

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
BALLARAT MINING DISTRICT.					
CENTRAL DIVISION.					
Band of Hope and Albion Consols	Redan	12,769 0 0	0 7 23·49	5,094 3 0	230 to 430 feet
Black Hill	Black Hill	1,909 0 0	0 8 0·8	766 18 13	Surface to 100 feet
New Koh-i-noor	Redan	5,065 0 0	0 5 12·1	1,394 13 0	300 to 500 feet
Band of Hope Quartz ...	Redan	1,898 0 0	0 7 2·55	674 8 0	400 feet
Band of Hope Quartz, No. 2	Redan	1,905 0 0	0 9 0·6	859 12 12	350 feet
Band of Hope Quartz, No. 4	Redan	2,407 0 0	0 8 14·7	1,036 16 12	360 feet
United Black Hill ...	Black Hill Flat ...	914 0 0	0 6 12·36	297 14 23	450 feet
Smith's Freehold... ...	Redan	2,500 0 0	0 5 14·2	699 8 0	420 feet
Washington Freehold ...	Redan	1,100 0 0	0 17 7·85	953 0 0	320 to 400 feet
Fritz	Mount Clear	1,252 0 0	0 7 16·02	480 0 0	Surface to 300 feet
Serjeant's Freehold ...	Redan	3,151 0 0	0 2 23·21	467 10 0	425 to 476 feet
Wilson's Freehold ...	Redan	1,850 0 0	0 4 0·11	370 9 3	300 to 470 feet
United Tribute (late Speedwell)	Poverty Point ...	2,000 0 0	0 3 0	300 0 0	200 feet
Smith's Freehold United ...	Redan	300 0 0	0 2 10·4	36 10 0	600 feet
Britannia	Specimen Gully ...	725 0 0	0 3 3·6	114 3 21	170 feet
Hanthorn and Co. ...	Mount Clear	280 0 0	0 9 0	126 0 0	120 feet
Dimock's United ...	Little Bendigo ...	500 0 0	0 5 20·16	146 0 0	Surface to 360 feet
Parade	Melbourne Road ...	380 0 0	0 8 9·99	159 18 6	200 to 400 feet
Williams' Freehold ...	Redan	1,792 0 0	0 3 4·7	286 4 16	400 to 430 feet
North Band and Albion ...	Redan	3,410 0 0	0 4 19·35	819 10 0	640 feet
Sulieman Pasha	Bakery Hill	139 0 0	0 4 12·73	31 9 18	400 feet
New Crescent	Redan	545 0 0	0 4 14·15	125 1 12	490 feet
Temperance	Little Bendigo ...	1,575 0 0	0 7 7·39	575 10 0	750 to 950 feet
Young Band Extended ...	Redan	1,545 0 0	1 9 3·73	2,252 5 8	480 feet
Young Band and Albion ...	Redan	1,610 0 0	0 5 16·45	457 14 0	400 to 600 feet
Pearce's Lease	Canadian	1,253 0 0	0 9 7·12	582 9 0	Surface to 250 feet
Band and Barton United ...	Redan	3,936 0 0	0 4 21·11	960 6 0	300 to 600 feet
Llanberris Quartz M. ...	Gum-tree Flat ...	1,538 0 0	0 1 7·52	101 0 7	200 feet
Post Office	Golden Point	196 0 0	0 4 13	44 10 3	250 feet
Public crushings ...	Ballarat East and West	6,045 0 0	0 10 16·12	3,225 12 15	
	Totals... ...	64,489 0 0	0 7 6·46	23,438 19 1	
SOUTHERN DIVISION.					
Little Hopewell, Tributers No. 1	Staffordshire Reef ...	402 0 0	0 3 17·15	74 13 9	227 feet, 8 feet wide
Little Hopewell, Tributers No. 2	Staffordshire Reef ...	100 0 0	0 3 15	18 2 12	220 feet, 5 feet wide
C. Wilson and Sons ...	Staffordshire Reef ...	300 0 0	0 3 18·08	56 6 0	60 feet, 8 feet wide
Williams' Fancy Tributers	Kangaroo	450 0 0	0 7 3	160 6 6	190 feet, 6 feet wide
	Totals	1,252 0 0	0 4 22·62	309 8 3	
BUNINYONG DIVISION.					
Wynne's Lease — Public crushings	Magpie	412 0 0	0 3 14·69	74 8 6	Surface to 100 feet
—— Tributers	Magpie	622 0 0	0 4 5·71	131 16 0	225 feet
One-and-All	Hiscock's	503 0 0	0 3 12·41	88 9 6	Surface to 160 feet
Imperial	Hiscock's	2,429 0 0	0 2 2·27	254 8 0	112 feet
Dolcoath	Hiscock's	514 0 0	0 10 5·55	262 19 0	180 feet
Webb's	Scotchman's	690 0 0	0 3 1·21	105 4 18	120 to 220 feet
Desoza	Scotchman's	541 0 0	0 11 1·33	299 1 0	200 feet
	Totals	5,711 0 0	0 4 6·22	1,216 6 6	
SMYTHESDALE DIVISION.					
Canico	Reed's Reef, Canico Flat	65 0 0	0 9 11·45	30 16 0	40 to 60 feet
Knight and Co.	Reed's Reef, Canico Flat	22 0 0	0 0 5·73	0 5 6	20 feet
	Totals	87 0 0	0 7 3·38	31 1 6	

AVERAGE Yield of Gold from certain parcels of Quartz Crushed 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.	
CRESWICK DIVISION.					
Port Phillip	Clunes reefs	7,248 0 0	0 4 22·01	1,782 1 12	Surface to 990 feet
New North Clunes ...	Clunes reefs	287 0 0	0 8 9·8	120 13 6	690 to 1105 feet
New North Clunes Tributers	Clunes reefs	347 5 0	0 7 6·7	126 7 18	
South Clunes	Clunes reefs	8,495 0 0	0 4 3·8	1,766 6 0	220 to 676 feet
Perseverance	Clunes reefs	370 0 0	0 4 16·75	86 18 7	240 feet
New Eaton's Reef ...	Eaton's Reef, Creswick	16 0 0	0 12 19·5	10 5 0	70 feet
Mills' Reef	Mills' Reef, Creswick ...	10 0 0	0 4 7·2	2 3 0	36 feet
	Totals	16,773 5 0	0 4 15·45	3,894 14 19	
GORDON SUBDIVISION.					
Black Horse United ...	Egerton	4,562 0 0	0 4 4·71	957 4 12	
Egerton Limited	Egerton	8,967 0 0	0 10 16·9	4,799 4 12	
Parker's United	Gordon	2,700 0 0	0 9 7·46	1,257 0 0	
Parker's Extended ...	Gordon	76 0 0	1 17 11·05	142 7 0	
Shamrock	Gordon	37 0 0	1 0 12·97	38 0 0	
Great Northern Parker's ...	Korweinguboora ...	15 0 0	0 13 8	10 0 0	
	Totals	16,357 0 0	0 8 19·39	7,203 16 0	
STEIGLITZ SUBDIVISION.					
Dunlop and party ...	Elaine	3 10 0	2 0 16·85	7 2 11	20 to 50 feet
Cleary's Quartz Mining ...	Elaine	259 0 0	0 18 19	243 7 1	350 feet
Millthorp and Son ...	Elaine	1 10 0	10 0 0	15 0 0	20 feet
P. Hurley...	Elaine	4 0 0	0 12 12	2 10 0	20 feet
Scott and party	Elaine	4 0 0	1 0 0	4 0 0	20 feet
G. O'Farrell	Elaine	16 0 0	3 15 0	60 0 0	30 feet
McMurtrie and Son ...	Elaine	12 0 0	0 19 4	11 10 0	30 feet
Carlisle...	Elaine	8 0 0	0 8 3	3 5 0	30 feet
	Totals	308 0 0	1 2 12·35	346 14 12	
BLACKWOOD DIVISION AND BLUE MOUNTAIN SOUTH SUBDIVISION.					
New Sultan					
Tributers, No. 1 ...	Barry's Reef	662 0 0	0 6 22·75	229 19 12	400 to 600 feet
Tributers, No. 2 ...	Barry's Reef	274 0 0	0 11 0·29	150 17 6	40 feet
Tributers, No. 3 ...	Barry's Reef	52 0 0	0 9 20·88	25 13 6	500 feet
Tributers, No. 4 ...	Barry's Reef	151 0 0	0 11 19·22	89 1 22	below 500 feet
Tributers, No. 5 ...	Barry's Reef	65 0 0	0 1 16·95	5 10 22	50 feet
Tributers, No. 6 ...	Barry's Reef	55 0 0	0 2 20·04	7 15 22	400 to 500 feet
Tributers, No. 7 ...	Barry's Reef	20 0 0	0 1 20	1 16 16	20 feet
Tributers, No. 8 ...	Barry's Reef	30 0 0	0 2 16·33	4 0 10	165 feet
Mounters Tributers, No. 1	Barry's Reef	35 0 0	0 0 21·69	1 11 15	165 feet
Tributers, No. 2 ...	Barry's Reef	77 0 0	0 6 20·53	26 7 21	50 feet
Tributors, No. 3 ...	Barry's Reef	14 0 0	3 4 16·14	45 5 10	165 feet
Annie Laurie	Barry's Reef	18 0 0	0 2 7·28	2 1 11	40 feet
Victoria	Yankee Reef	56 0 0	0 10 4·29	28 10 0	140 feet
	Totals	1,509 0 0	0 8 4·77	618 12 5	

BEECHWORTH MINING DISTRICT.

BEECHWORTH DIVISION.					
Reform	Myrtleford	190 0 0	1 6 0	247 0 0	450 feet
Bryce and Co.	Stony Creek	33 0 0	1 9 10·91	48 12 0	20 feet
Sydney	Wooragee	14 0 0	0 15 0	10 10 0	60 feet
Wallaby	Hurdle Flat	119 0 0	1 3 14·11	140 7 0	100 feet
Whangdoodle	Hurdle Flat	14 0 0	0 4 6	2 19 8	Surface
Rechabite	Hurdle Flat	289 0 0	0 3 0	43 7 0	120 feet
Various reefs	Hurdle Flat	15 0 0	0 3 8	2 10 0	Various
	Totals	674 0 0	0 14 16·71	495 5 8	
YACKANDANDAH SOUTH SUBDIVISION.					
Piano	Twist's Creek... ...	12 0 0	0 15 6	9 3 0	Surface
November	Twist's Creek... ...	19 0 0	0 3 12·63	3 7 0	Surface
Bon Accord	Hillsborough	120 0 0	0 10 0	60 0 0	80 feet
Folster and Son	Hillsborough	29 0 0	0 7 9·93	10 15 0	50 feet
Richard Coombes ...	Hillsborough	8 0 0	0 12 12	5 0 0	Surface
Wild Horse	Bight Creek	198 0 0	0 4 10·66	44 0 0	90 feet
	Totals	386 0 0	0 6 20·45	132 5 0	
INDIGO DIVISION.					
Brunn	Golden Bar	40 0 0	0 1 19·8	3 13 0	Surface
Magenta Tributers ...	Magenta Reef ...	411 0 0	0 7 10·27	152 13 0	
A. Young and Co. ...	Essex Reef	12 0 0	0 10 16	6 8 0	
Arthur and Co.	Not known	6 0 0	1 2 16	6 16 0	
Buchan...	Pass-by	2 0 0	5 19 0	11 18 0	
Demon	Demon Reef	40 0 0	0 9 9	18 15 0	
Fergusson and Co. ...	Gift Reef	17 0 0	0 12 2·82	10 6 0	
Small parcels, various ...	Various reefs... ...	131 0 0	0 4 0	26 4 0	
	Totals	659 0 0	0 7 4·37	236 13 0	

AVERAGE Yield of Gold from certain parcels of Quartz Crushed during the Quarter, &c.—*continued.*

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
BUCKLAND DIVISION.					
Five different companies ...	Freeburgh	89 0 0	1 16 10·24	162 2 0	
M. Howard	Harrietville	10 0 0	1 4 0	12 0 0	Surface
Norris and Co.	Harrietville	20 0 0	1 2 0	22 0 0	Surface
J. Davis and Co.... ...	Harrietville	600 0 0	0 7 1·6	212 0 0	500 feet
Mons Meg	Harrietville	50 0 0	1 18 19·02	97 0 0	70 feet
H. Powers	Harrietville	4 0 0	2 0 0	8 0 0	Surface
All Nations	Harrietville	10 0 0	1 2 0	11 0 0	Surface
	Totals	783 0 0	0 13 9·28	524 2 0	
WANDILIGONG SUBDIVISION.					
Try Again	... ...	54 0 0	0 13 20·55	37 8 6	
Myrtle (crushed at Railway mill)	... ...	107 0 0	0 6 8·52	34 0 0	
Do. (crushed at Stephen's mill)	... ...	60 0 0	0 8 8	25 0 0	
	Totals	221 0 0	0 8 17·4	96 8 6	
ALEXANDRA SUBDIVISION.					
Vulcan G. M.	Lucky Reef	265 0 0	0 10 17·14	141 19 15	Various; from a rise
Welcome Tributers ...	Ti-tree reefs	300 0 0	0 10 0	150 0 0	Not known
Providence Tributers ...	Providence reefs, Yea ...	43 0 0	0 9 5·02	19 16 0	30 to 90 feet
	Totals	608 0 0	0 10 6·14	311 15 15	
DRY CREEK SUBDIVISION.					
R. G. Meade, Unee, Table-land, Dry Creek	Table-land, Dry Creek...	660 0 0	0 3 21·09	128 0 0	130 feet
GAFFNEY'S CREEK SUB-DIVISION.					
Sundry lots	Hunt's Reef	400 0 0	0 2 2·23	41 17 4	50 feet
Golden Belt	Hunt's Reef	340 0 0	0 2 16·46	45 13 5	200 feet
Hunt's Extended G. M. ...	Hunt's Reef	200 0 0	0 2 20·64	28 12 0	Surface chiefly
	Totals	940 0 0	0 2 11·29	116 2 9	
WOOD'S POINT SUBDIVISION.					
Prospectors	Morning Star reefs ...	180 0 0	0 3 6 66	29 10 0	Various
All Nations Q. M. ...	All Nations reefs ...	100 0 0	0 3 12	17 10 0	300 feet
	Totals	280 0 0	0 3 8·57	47 0 0	
BIG RIVER SUBDIVISION.					
Londonderry Q. M. ...	Railway Reef... ...	200 0 0	0 3 0	30 0 0	600 feet
MITTA MITTA NORTH SUBDIVISION.					
Granya Gold Mining ...	Granya	300 0 0	0 13 14·72	204 4 0	
McGra and Black ...	Granya	6 0 0	1 17 12	11 5 0	60 feet
Grant and Sons	Granya	29 0 0	0 14 14·07	21 3 0	30 feet
Reese and Co.	Granya	25 0 0	0 18 14·4	23 5 0	25 feet
Try Again	Granya	70 0 0	0 6 12·34	22 16 0	150 feet
Miller and Robinson ...	Granya	2 5 0	32 13 8	73 10 0	60 feet
Sulivan	Granya	3 0 0	0 13 8	2 0 0	20 feet
Herbert and Co.	Granya	3 15 0	0 18 22·4	3 11 0	30 feet
Bungil	Granya	70 0 0	0 9 3·43	32 0 0	150 feet
Foster and Philps ...	Granya	40 0 0	0 4 1·2	8 2 0	20 feet
	Totals	549 0 0	0 14 15·3	401 16 0	

SANDHURST MINING DISTRICT.

SANDHURST DIVISION.					
Albert Crushing	Devonshire Gully ...	2,840 0 0	0 6 22·73	986 10 0	Mixed lots from various reefs
Beehive	Eaglehawk	6,100 0 0	0 10 9·55	3,171 8 0	
Bird's Reef	Kangaroo Flat ...	221 0 0	0 17 13·62	194 2 10	
Catherine Reef U. ...	Eaglehawk	840 0 0	0 5 5·47	219 11 18	
Fortuna Works	New Chum Gully ...	711 0 0	0 5 19·67	206 18 0	
Frederick the Great ...	Sebastian	3,928 0 0	0 7 4·98	1,415 11 12	
Garden Gully United ...	Garden Gully Reef ...	4,452 0 0	0 19 23·72	4,449 8 11	
G. G. Consolidated ...	Golden Gully	1,582 0 0	0 6 15·08	524 6 2	
Great Hustler's	Hustler's Reef ...	214 0 0	0 5 2·8	54 15 0	
Great Britain	Golden Square ...	755 0 0	0 8 21·31	335 10 14	
Garibaldi	New Chum Gully ...	1,847 0 0	0 12 19·82	1,184 10 0	
Hercules and Energetic ...	Victoria Reef ...	3,958 0 0	0 11 22·92	2,365 18 0	
Hustler's Reef	Hustler's Reef ...	504 0 0	0 7 1·61	178 2 0	
Johnson's Reef G. M. ...	California Gully ...	5,165 0 0	0 11 12·27	2,972 16 18	
Koch's Pioneer	Long Gully	3,021 0 0	0 12 10·39	1,878 0 0	
Lazarus...	New Chum Gully ...	2,612 0 0	0 9 12·14	1,241 10 0	
Marong Crushing Works ...	Marong	61 0 0	0 14 9·44	43 18 0	
New Chum Railway ...	New Chum Reef ...	363 0 0	0 5 21·48	107 0 0	

AVERAGE Yield of Gold from certain parcels of Quartz Crushed during the Quarter, &c.—*continued.*

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
SANDHURST DIVISION—*continued.*					
Nil G. M.	Raywood	120 0 0	0 4 23·4	29 17 0	Mixed lots from various reefs
New Chum and Victoria ...	New Chum Reef ...	3,009 0 0	0 4 9·55	661 13 18	
New Chum United ...	New Chum Reef ...	2,603 0 0	1 3 10·51	3,050 9 0	
Shenandoah	New Chum Reef ...	1,683 0 0	1 2 5·86	1,871 17 0	
Victoria Consols	Victoria Reef	3,179 0 0	0 7 8·94	1,171 18 0	
Virginia	Eaglehawk	850 0 0	0 11 18·8	500 16 0	
Victoria Reef G. M. ...	Victoria Reef	2,227 0 0	0 7 13·88	843 17 0	
	Totals	52,845 0 0	0 11 5·4	29,660 4 7	
KILMORE DIVISION.					
Prince Arthur	Reedy Creek	107 0 0	0 2 0	10 14 0	40 feet
Eureka	Reedy Creek	593 0 0	0 2 8	69 3 16	60 feet
Golden Gate	Reedy Creek	498 0 0	0 6 0	149 8 0	40 feet
President Consols ...	Reedy Creek	12 0 0	0 1 6	0 15 0	70 feet
Saddle Reef	Reedy Creek	22 0 0	0 1 0·3	1 2 6	80 feet
Golden Reef	Strath Creek	12 0 0	3 10 0·12	42 6 0	30 feet
	Totals	1,244 0 0	0 4 9·51	273 8 22	
WARANGA NORTH SUB-DIVISION.					
Rose and Son	Rushworth	2 0 0	10 10 0	21 0 0	
Sutherland and Thomson ...	Rushworth	195 0 0	1 4 16·86	240 17 0	
Francis	Whroo	1 0 0	1 11 18	1 11 18	
Menzies Trib. Comps. ...	Whroo	34 0 0	0 6 11·11	10 19 18	
Hodge Bros.	Whroo	2 0 0	1 10 0	3 0 0	
Nagle	Buffalo	11 0 0	0 13 8·72	7 7 0	
Thompson and Co. ...	Fontainbleu	5 0 0	1 1 5	5 6 0	
	Totals	250 0 0	1 3 4·94	290 1 12	

MARYBOROUGH MINING DISTRICT.

MARYBOROUGH DIVISION.					
Mariner's Reef	Soldiers and Marine Reef	230 0 0	0 16 11·58	189 11 0	160 feet
Cymbeline	Near Bristol Hill ...	65 0 0	0 13 5·54	43 0 0	50 feet
Stepleton and party ...	Maid of Athens claim ...	32 0 0	1 12 15·75	52 5 0	
Willson and party ...	Havelock	42 13 0	1 11 10·04	67 0 0	
Schlomer and party ...	Blucher's Reef ...	21 0 0	1 10 11·42	32 0 0	
Thomson and party ...	Scandinavian Reef ...	18 6 0	1 1 2·23	19 6 0	
Noell and party	Scandinavian Reef ...	52 0 0	0 3 4·15	8 5 0	
Cambrian Battery ...	Various places ...	288 0 0	0 7 16·62	110 15 12	
	Totals	748 19 0	0 13 22·63	522 2 12	
AMHERST DIVISION.					
At Wm. Cosstick's Mill:					
Croydon	Opossum Gully ...	210 0 0	0 3 14·97	38 1 0	100 to 150 feet
Matthews and party ...	North-Western Reef ...	43 0 0	0 5 16·18	12 4 0	50 feet
Dunston Bros.	N. Wn. Reef, Amherst...	10 0 0	0 19 0·3	9 10 3	80 feet
Sundries	North of Amherst ...	81 0 0	0 3 8·3	13 11 0	10 to 90 feet
At T. Bartlemore's Mill ...	Talbot	213 0 0	0 10 23·66	117 0 0	10 to 60 feet
At J. R. Walker's Mill:					
Leeds	All Nations Reef ...	315 0 0	0 6 13·71	103 10 0	40 feet
Flinders	All Nations Reef ...	20 0 0	0 5 10·5	5 8 18	169 feet
	Totals	892 0 0	0 6 17·03	299 4 21	
DUNOLLY AND TARNAGULLA DIVISIONS.					
Queen's Birthday ...	Bealiba Reef	6,702 0 0	0 6 14·83	2,217 14 0	400 to 500 feet
Sydenham	Quaker's Gully ...	425 0 0	0 17 14·23	373 17 0	200 to 300 feet
Connett and Walker ...	Quaker's Gully ...	15 0 0	1 6 14·4	19 19 0	40 feet
Posina and party... ...	Burnt Creek	13 0 0	0 18 16·61	12 3 0	40 feet
Yorkshire	Watts Reef	1,378 0 0	0 6 20·22	471 9 4	270 to 330 feet
Golden Star	Half-way	120 0 0	0 4 0	24 0 0	50 feet
Working Miners... ...	Cay's Diggings ...	424 0 0	0 5 10·86	115 12 0	130 feet
Welcome	Welcome Reef ...	19 0 0	0 10 8·84	9 17 0	200 feet
Welcome	Various reefs ...	14 0 0	0 12 20·57	9 0 0	Various
Welcome	Baxter's Reef... ...	9 0 0	0 10 0	4 10 0	10 feet
Welcome	Spondulix Reef ...	10 0 0	1 15 16·8	17 17 0	10 feet
	Totals	9,129 0 0	0 7 4·24	3,275 18 4	

AVERAGE Yield of Gold from certain parcels of Quartz Crushed 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.	
INGLEWOOD DIVISION.					
Jersey Reef Q. M., Limited	Jersey Reef, Inglewood	240 0 0	0 4 19·2	57 12 0	Taken from a depth of from 239 to 300 feet
Jersey Reef Q. M., Limited	Jersey Reef, Inglewood	211 0 0	0 9 6·61	97 17 3	
Jersey Reef Q. M., Limited	Jersey Reef, Inglewood	215 0 0	0 5 2·56	54 18 0	
Jersey Reef Q. M., Limited	Jersey Reef, Inglewood	98 0 0	0 2 16·4	13 3 0	
Jersey Reef Q. M., Limited	Jersey Reef, Inglewood	34 0 0	0 7 11·47	12 14 6	
Matthewson and party ...	City of Bath Reef, Inglewood	22 0 0	0 9 2·18	10 0 0	Crushed at the Jersey Reef Q. M. Company's battery. Bruce's (Co-operative Co.) battery idle for want of water
Matthewson and party ...	City of Bath Reef, Inglewood	30 0 0	0 3 0	4 10 0	
Watkins and Sons ...	Welcome Reef, Thompson's Gully	51 0 0	0 5 21·17	15 0 0	
Watkins and Sons ...	Welcome Reef, Thompson's Gully	13 0 0	0 5 9·23	3 10 0	
Garrett and Long ...	European and Leicester Reefs	30 0 0	0 5 0	7 10 0	
S. Parker	Odin Reef, Inglewood ...	14 0 0	0 3 8·57	2 7 0	
J. Martin and party ...	Union Jack claim, Thompson's Gully	15 0 0	0 5 0	3 15 0	
T. Phillips	Ophir and Leicester Reefs	22 0 0	0 1 3·27	1 5 0	
Arnold	Union Jack Reef, Thompson's Gully	44 0 0	0 3 15·27	8 0 0	
Burke's Flat Quartz Mining	Liliputian Reef, Burke's Flat	1,270 0 0	0 6 12	412 15 0	Taken from 690 to 754 feet
	Totals	2,309 0 0	0 6 2·52	704 16 9	
ST. ARNAUD NORTH SUBDIVISION.					
New Bendigo	Bristol Reef	838 0 0	0 8 19·64	369 10 0	200 to 300 feet
No. 2 South New Bendigo...	Bristol Reef	72 0 0	1 0 13·33	74 0 0	75 feet
Blink Bonny	Blink Bonny	50 0 0	1 3 4·8	58 0 0	290 feet
Lord Nelson	St. Arnaud	389 0 0	1 11 16·24	615 18 0	
	Totals	1,349 0 0	0 16 13·59	1,117 8 0	

CASTLEMAINE MINING DISTRICT.

CASTLEMAINE DIVISION.					
Central Wattle Gully ...	Wattle Gully	541 0 0	0 7 23·65	216 0 0	Surface to 120 feet
Wheal Terrill Tribute ...	Wattle Gully	626 0 0	0 13 9·7	419 11 0	300 feet
Public crushings	Various	478 0 0	0 8 12·74	203 17 20	Various
Ajax United	Bolivia Reef	445 0 0	0 2 1·24	45 13 0	Various
Eureka Phœnix	Eureka Reef	168 0 0	0 7 6·31	61 0 4	Various
Argus United	Argus Reef	231 0 0	0 6 16·34	77 3 6	Various
Lewis and Co.	Nimrod	224 0 0	0 5 1·52	56 14 6	Various
General Garfield	Sailor's Gully	141 0 0	0 10 22·3	77 1 0	Surface to 50 feet
Daniel O'Connel	Dogleg Gully	170 0 0	0 5 2	43 4 6	
	Totals	3,024 0 0	0 7 22·51	1,200 4 18	
FRYER'S CREEK DIVISION.					
Rowe Brothers	Cattle's Reef	2,215 0 0	0 3 14·26	398 2 0	10 to 350 feet
McDonald and party ...	German Gully ...	60 0 0	0 14 4	42 10 0	160 feet
New Era	Ferron's Reef	4,938 0 0	0 3 11·9	863 4 0	80 to 380 feet
Renaissance	Specimen Hill ...	2,366 0 0	0 1 3·49	135 11 0	50 to 110 feet
Royal Saxon	Golden Gully	909 0 0	0 2 18·4	125 15 0	95 to 220 feet
English-Australian Q. M. ...	Golden Gully	2,160 0 0	0 3 12·08	378 8 0	130 to 360 feet
Ferron's Reef Q. M. ...	Ferron's Reef	136 0 0	0 4 5·29	28 14 0	430 feet
Enterprise	Cattle's Reef	235 0 0	0 1 22·97	23 0 0	271 feet
Chapel Hill	Chapel Hill	45 0 0	0 5 18·66	13 0 0	82 feet
Golden Valley	Nuggetty Gully ...	37 0 0	0 4 7·78	8 0 0	96 feet
	Totals	13,101 0 0	0 3 1·87	2,016 4 0	
HEPBURN DIVISION.					
German Gully Q. M. ...	German Gully ...	96 0 0	1 7 0	129 12 0	334 feet
Criterion Q. M.	Yandoit	90 0 0	1 5 12·8	114 18 0	100 feet
Morning Light	North Daylesford ...	30 0 0	1 3 2·4	34 13 12	130 feet
Young and party	Adams Reef	13 0 0	0 4 0	2 12 0	30 feet
Rising Star	Blind Creek	3,550 0 0	0 5 3·61	914 4 12	120 to 300 feet
	Totals	3,779 0 0	0 6 7·91	1,196 0 0	
TARADALE AND KYNETON SUBDIVISION.					
Rising Sun	Malmsbury	5 0 0	0 19 4·8	4 16 0	150 feet, Burra Burra Reef

AVERAGE Yield of Gold from certain parcels of Quartz Crushed 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.	
TARRANGOWER DIVISION.					
Caledonia	Parkin's Reef... ...	123 0 0	0 7 1·36	43 8 0	300 to 500 feet
Phœnix	Mount Tarrengower, Eaglehawk, &c.	420 0 0	1 3 19·83	500 7 0	
Linscott's	Mount Tarrengower, Linscott's, and Eaglehawk reefs	420 0 0	0 10 14·8	222 19 0	
Great Western Cymru ...	Beehive Reef	250 0 0	1 0 4·8	252 10 0	
Resurgam	Bell's Reef	60 0 0	0 4 4·4	12 11 0	
	Totals	1,273 0 0	0 16 5·03	1,031 15 0	
ST. ANDREW'S DIVISION.					
Hude and party	Boomer's Reef ...	7 0 0	1 8 13·71	10 0 0	60 feet
Strong and party ...	Little Wild Dog ...	1 0 0	2 16 0	2 16 0	25 feet
Young Chandler	Reefton	7 0 0	0 15 0	5 5 0	30 feet
Eureka	Warrandyte	6 0 0	0 10 8	3 2 0	60 feet
	Totals	21 0 0	1 0 3·43	21 3 0	

ARARAT MINING DISTRICT.

PLEASANT CREEK DIVISION.					
Wimmera	Stawell reefs	3,496 0 0	0 6 10·09	1,122 6 3	Various, from 100 to 1,120 feet
Pioneer and Galatea ...	Stawell reefs	2,940 0 0	0 7 1·89	1,040 12 3	
New St. George	Stawell reefs	2,921 0 0	0 6 1·69	886 11 22	
Scotchman's	Stawell reefs	1,969 0 0	0 2 20·44	280 14 22	
Moonlight	Stawell reefs	1,934 0 0	0 8 21·99	862 4 0	
Wonga and Birmingham ...	Stawell reefs	2,407 0 0	0 3 0·46	363 7 4	
North and South Wales ...	Stawell reefs	23 12 0	0 14 15·48	17 5 15	
	Totals	15,690 12 0	0 5 19·89	4,573 1 21	

GIPPSLAND MINING DISTRICT.

GIBBO SUBDIVISION.					
Native Youths	Zulu Creek	17 10 0	1 13 8·91	29 4 0	25 feet
CROOKED RIVER DIVISION.					
Treasure Hill	Little Dorrit Reef ...	76 0 0	0 5 1·26	19 4 0	
DARGO SUBDIVISION.					
Fogarty and Co.	Parnell Reef	13 7 0	1 6 8·81	17 12 0	80 feet from surface
Perseverance	Perseverance Reef ...	10 0 0	0 5 9·6	2 14 0	30 feet from surface
Enterprise	Enterprise Reef ...	8 0 0	0 6 12	2 12 0	Surface to 5 feet
	Totals	31 7 0	0 14 14·62	22 18 0	
DONNELLY'S CREEK DIVISION.					
Bismarck United ...	Upper workings ...	230 0 0	2 9 6·26	566 10 0	Adit
STRINGER'S CREEK DIVISION.					
Long Tunnel	Cohen's Reef	4,538 0 0	0 18 12·35	4,201 0 0	300 to 723 feet
Long Tunnel (tributers) ...	Cohen's Reef	204 0 0	0 7 2	72 5 0	Surface to 300 feet
Long Tunnel Extended ...	Cohen's Reef	608 0 0	0 10 0·82	305 1 6	500 to 600 feet
	Totals	5,350 0 0	0 17 2·76	4,578 6 6	
RUSSELL'S CREEK DIVISION.					
Tangil Long Tunnel ...	Western Branch Tangil River	28 0 0	11 4 0·86	313 13 0	Tunnel

QUARTZ TAILINGS, MULLOCK, ETC.

THE following information has been obtained from Returns made by the Mining Surveyors and Registrars relative to the AVERAGE YIELD OF GOLD from certain parcels 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.					
STEIGLITZ SUBDIVISION.					
Enterprise	Elaine	110 0 0	0 2 10·7	13 9 1	
BEECHWORTH MINING DISTRICT.					
BUCKLAND DIVISION.					
J. Davis and Co.	Harrietville	135 0 0	0 13 20·98	93 13 0	
SANDHURST MINING DISTRICT.					
SANDHURST DIVISION.					
Great Hustlers	Hustler's Reef... ...	220 0 0	0 1 10·47	15 16 0	
WARANGA NORTH SUBDIVISION.					
Menzies' Tribute ...	Whroo	70 0 0	0 0 15·77	2 6 0	
MARYBOROUGH MINING DISTRICT.					
MARYBOROUGH DIVISION.					
Barclay and party ...	Chinamans	5 0 0	0 5 14·4	1 8 0	
ST. ARNAUD SOUTH SUBDIVISION.					
Lancashire	Stuart Mill	250 0 0	0 2 0	25 0 0	
CASTLEMAINE MINING DISTRICT.					
CASTLEMAINE DIVISION.					
Manchester	Manchester Reef ...	780 0 0	0 1 0·64	40 1 0	
Davis and others... ...	Forest Creek	820 0 0	0 1 6	51 4 18	
	Totals	1,600 0 0	0 1 3·38	91 5 18	
TARRANGOWER DIVISION.					
Phœnix	Growler's Gully ...	500 0 0	0 0 1	25 0 0	
ST. ANDREW'S DIVISION.					
Gardner and party ...	Warrandyte	20 0 0	0 3 0	3 0 0	Surface
ARARAT MINING DISTRICT.					
PLEASANT CREEK DIVISION.					
North and South Wales ...	Deep Lead	440 0 0	0 1 0·11	22 2 2	
Scotchmans	Stawell	224 0 0	0 0 19·97	9 6 10	
	Totals	664 0 0	0 0 22·71	31 8 12	
GIPPSLAND MINING DISTRICT.					
TARWIN SUBDIVISION.					
Dan O'Connell	... ...	140 0 0	0 10 0	70 0 0	Mullock, interspersed with quartz

PYRITES AND BLANKETINGS.

THE following information has been obtained from Returns made by the Mining Surveyors and Registrars relative to the AVERAGE YIELD OF GOLD from certain parcels 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.					
Band of Hope and Albion Consols	Redan	62 10 0	2 1 0·76	128 4 12	
Sergeant's Freehold ...	Redan	11 0 0	2 13 15·27	29 10 0	
Speedwell	Poverty Point ...	40 0 0	1 17 12	75 0 0	
Llanberris Quartz M. ...	Gum-tree Flat ...	10 0 0	1 10 23·3	15 9 17	
	Totals	123 10 0	2 0 4·7	248 4 5	
CRESWICK DIVISION.					
Port Phillip	Clunes reefs	75 0 0	4 2 19·2	310 10 0	
New North Clunes ...	Clunes reefs	6 10 0	5 1 5·53	32 18 0	
South Clunes	Clunes reefs	36 5 0	4 3 17·37	151 15 0	
	Totals	117 15 0	4 4 2·44	495 3 0	
GORDON SUBDIVISION.					
Parker's United	Gordon	28 0 0	2 10 0	70 0 0	
STEIGLITZ SUBDIVISION.					
Enterprise	Elaine	164 0 0	1 0 2·21	164 15 3	
BLACKWOOD DIVISION AND BLUE MOUNTAIN SOUTH SUBDIVISION.					
New Sultan	Barry's Reef	5 10 0	3 14 23·64	20 12 10	
SANDHURST MINING DISTRICT.					
SANDHURST DIVISION.					
Spargo Bros.	Great Western Gully ...	175 0 0	1 19 3·01	342 7 0	
Sandhurst & Eaglehawk P.E.	Jackass Flat	176 0 0	1 16 9·54	320 6 0	
R. J. Liddle and Co. ...	Derwent Gully ...	164 0 0	3 6 16·39	546 16 0	
	Totals	515 0 0	2 6 23·25	1,209 9 0	
CASTLEMAINE MINING DISTRICT.					
CASTLEMAINE DIVISION.					
Geo. Yeats	Castlemaine Pyrites Works	149 0 0	1 16 16·1	273 4 0	
FRYER'S CREEK DIVISION.					
New Era	Ferron's Reef	50 0 0	1 8 0	70 0 0	
English-Australian G. M. ...	Golden Gully	25 0 0	1 9 5·76	36 11 0	
	Totals	75 0 0	1 8 9·92	106 11 0	
HEPBURN DIVISION.					
Rising Star	Blind Creek	38 10 0	3 0 12·46	116 10 0	120 to 130 feet

WASHDIRT AND CEMENT.

SUMMARY.

THE following information has been obtained relative to the AVERAGE YIELD OF GOLD from certain parcels 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.	oz. dwt. gr.	oz. dwt. gr.	*Cement.*	tons cwt.	oz. dwt. gr.	oz. dwt. gr.
Ballarat * ...	34,044 0	0 1 17·21	2,922 11 13	Ballarat ...	...	...	...
Beechworth † ...	39,308 0	0 1 16·15	3,287 15 1	Beechworth ...	...	...	...
Sandhurst ...	...	...	...	Sandhurst ...	...	...	...
Maryborough ...	41,033 0	0 4 11·74	9,210 3 12	Maryborough§...	252 0	0 3 0·95	38 6 0
Castlemaine ...	58,716 0	0 1 9·49	4,097 8 0	Castlemaine‖ ...	30 0	1 0 0	30 0 0
Ararat ‡ ...	11,200 0	0 2 18·7	1,556 7 6	Ararat ¶ ...	1,220 0	0 4 4·7	255 18 19
Gippsland ...	...	...	...	Gippsland ...	...	...	...
Totals ...	184,301 0	0 2 6·89	21,074 5 8	Totals ...	1,502 0	0 4 7·62	324 4 19

NOTE.—This Summary does not show the total quantities of washdirt puddled and sluiced and cement crushed in the several localities, but only the yield from certain washings and crushings respecting which the Mining Surveyors and Registrars have been able to obtain some reliable information. The returns are very imperfect as regards the washdirt, owing to the impossibility of obtaining particulars of the quantity of earth treated by hydraulic sluicing, &c., and owing to the circumstance that many of the machine owners are unable to give, or are precluded from giving, information. As it is impossible to get complete returns from every district, this Summary cannot be considered as any guide respecting the yield of gold from the separate districts mentioned.

* Certain parcels treated in the Smythesdale, Southern, and Blackwood divisions only.—† Certain parcels treated in the Beechworth, Indigo and Buckland divisions only.—‡ Certain parcels treated in Raglan division only.—§ Certain parcels treated in Majorca, Amherst, and Inglewood divisions only.—‖ Certain parcels treated in Fryer's Creek division only.—¶ Certain parcels treated in Pleasant Creek division only.

Office of Mines,
Melbourne, 19th April 1882.

THOS. COUCHMAN,
Secretary for Mines.

WASHDIRT.

THE following information has been obtained from Returns made by the Mining Surveyors and Registrars relative to the AVERAGE YIELD OF GOLD from certain parcels 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.					
SOUTHERN DIVISION.					
Grant and party	Break-o'-Day	500 0 0	0 6 23·16	174 2 12	20 to 35 feet; wash 2 feet 6 inches thick
Lucky	Kangaroo	63 0 0	0 16 6·23	51 4 9	62 feet; wash 3 feet 6 inches thick
Turner and party ...	Break-o'-Day	1,836 0 0	0 2 15·12	241 8 20	30 to 60 feet; 2 to 3 feet washdirt
	Totals	2,399 0 0	0 3 21·39	466 15 17	
SMYTHESDALE DIVISION.					
Racecourse	Haddon	12,145 0 0	0 1 23·79	1,209 8 0	170 feet
Trunk Lead	Haddon	10,120 0 0	0 1 2·86	566 8 20	250 feet
Reform	Haddon	3,700 0 0	0 3 3·82	584 9 0	70 feet
	Totals	25,965 0 0	0 1 19·63	2,360 5 20	
BLACKWOOD DIVISION AND BLUE MOUNTAIN SOUTH SUBDIVISION.					
Milkman's Flat Sluicing ...	Milkman's Flat ...	180 0 0	0 1 9·33	12 10 0	50 feet
Ah Kei and party ...	Ballan Flat	500 0 0	0 0 16·32	17 0 0	20 feet
Wee Chung and party ...	Lower Lerderderg ...	1,200 0 0	0 0 5·6	14 0 0	Surface to 20 feet
Ah Kong and party ...	Tipperary, Lerderderg River	1,400 0 0	0 0 6·17	18 0 0	2 to 10 feet
Ah Wan and party ...	Red Hill, Lerderderg River	1,800 0 0	0 0 5·33	20 0 0	Surface to 10 feet
Ah Chung and party ...	Red Hill, Lerderderg River	600 0 0	0 0 11·2	14 0 0	16 feet
	Totals	5,680 0 0	0 0 8·07	95 10 0	

AVERAGE Yield of Gold from certain parcels of Washdirt Puddled or Sluiced, &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.	
BEECHWORTH MINING DISTRICT.					
BEECHWORTH DIVISION.					
Booth and Co.	Hurdle Flat	2,440 0 0	0 0 10	51 0 0	8 feet
INDIGO DIVISION.					
Chiltern Valley Gold Mines and Indigo Stockyard	Chiltern and Indigo leads	27,136 0 0	0 1 17·49	2,345 19 0	280 and 315 feet
BUCKLAND DIVISION.					
Ah Hea and Co.	Freeburgh	730 0 0	0 0 11·83	18 0 0	
King Sing and Co. ...	Freeburgh	486 0 0	0 1 11·13	35 11 11	
Ah Chee and Co. ...	Freeburgh	600 0 0	0 0 19·38	24 4 14	
Hon Chin and Co. ...	Freeburgh	818 0 0	0 0 22·29	38 0 0	
Ah Young and Co. ...	Freeburgh	891 0 0	0 1 0·59	45 13 0	
Ah Chew and Co. ...	Freeburgh	545 0 0	0 0 14·97	17 0 0	
Ah Choah and Co. ...	Freeburgh	640 0 0	0 1 0	32 0 0	
Ah Shoo and Co. ...	Freeburgh	364 0 0	0 1 10·28	26 0 0	
Small parties and cradlemen	Freeburgh	2,458 0 0	0 1 12	184 7 0	
Ah Sin and Co.	Harrietville	400 0 0	0 3 12	70 0 0	
Chang Gee and Co. ...	Harrietville	700 0 0	0 6 6·85	220 0 0	
Ah Wye and Co.... ...	Harrietville	300 0 0	0 3 8	50 0 0	
Ah Sue and Co.	Buckland	400 0 0	0 3 12	70 0 0	
Ah Mun and Co. ...	Buckland	200 0 0	0 3 0	30 0 0	
Sue Lang and Co. ...	Buckland	200 0 0	0 3 0	30 0 0	
	Totals	9,732 0 0	0 1 19·93	890 16 1	
MARYBOROUGH MINING DISTRICT.					
MARYBOROUGH DIVISION.					
Duke	Timor	9,000 0 0	0 4 17·62	2,130 9 0	300 feet
Goldbrook	Carisbrook	2,850 0 0	0 6 0·84	860 0 0	120 feet
	Totals	11,850 0 0	0 5 1·13	2,990 9 0	
MAJORCA SUBDIVISION.					
New Kong Meng ...	Majorca	8,112 0 0	0 2 0	811 4 0	
AMHERST DIVISION.					
Union	Mount Greenock Lead ...	2,700 0 0	0 0 23·74	133 10 15	
Hoffnung	Mount Greenock Lead ...	1,168 0 0	0 1 17·01	99 15 21	
	Totals	3,868 0 0	0 1 4·95	233 6 12	
AVOCA SUBDIVISION.					
Old Working Miners ...	Company's ground ...	9,361 0 0	0 2 13·2	1,192 12 0	
Working Miners United ...	Company's ground ...	7,842 0 0	0 10 3·77	3,982 12 0	
	Totals	17,203 0 0	0 6 0·39	5,175 4 0	
CASTLEMAINE MINING DISTRICT.					
FRYER'S CREEK DIVISION.					
Anderson and party ...	Spring Gully	2,950 0 0	0 0 2·64	16 5 0	12 to 16 feet
Trethewey and party ...	New Year's Flat ...	1,950 0 0	0 0 8	32 10 0	20 feet
Thomas and Co. ...	Bald Hill	400 0 0	0 0 6	5 0 0	80 feet
Roberts and Co.	Butcher's Hill ...	200 0 0	0 0 14·4	6 0 0	90 feet
Ellis and Co.	Church's Flat	2,600 0 0	0 0 7·2	39 0 0	14 feet
Tonkin and party ...	Chokem Flat ...	1,800 0 0	0 0 8·66	32 10 0	20 feet
Williams and party ...	New Year's Flat ...	3,250 0 0	0 0 8·64	58 10 0	20 feet
Mein's Freehold G. M. ...	Guildford	2,500 0 0	0 2 9·6	300 0 0	200 feet
Jessen and party ...	Specimen Hill ...	1,500 0 0	0 0 5·12	16 0 0	10 to 12 feet
Fox and party, public ...	Pennyweight	1,500 0 0	0 1 0	75 0 0	Various
	Totals	18,650 0 0	0 0 14·95	580 15 0	
HEPBURN DIVISION.					
Sundry lots	Dry Diggings... ...	10,000 0 0	0 1 0	500 0 0	Surface to 25 feet
Sundry lots	Yandoit	350 0 0	0 2 20·57	50 0 0	Surface to 25 feet
Prospectors	Hepburn	750 0 0	0 1 0	37 10 0	Shallow
350 Chinese	Hepburn	4,000 0 0	0 1 0	200 0 0	
	Totals	15,100 0 0	0 1 1·03	787 10 0	

AVERAGE Yield of Gold from certain parcels of Washdirt Puddled or Sluiced, &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.	
TARADALE AND KYNETON SUBDIVISION.					
Ellis's Freehold	South Taradale ...	7,000 0 0	0 3 0·11	1,051 14 0	Exact quantity not known; approximate quantity; depth 250 feet; width of gutter 170 feet
Confluence	Malmsbury	4,100 0 0	0 0 20·18	172 9 0	250 feet
Great Wonder	Malmsbury	1,000 0 0	0 3 1·2	152 10 0	148 feet
Royal Standard	Malmsbury	476 0 0	0 8 0	190 8 0	120 feet
	Totals	12,576 0 0	0 2 11·81	1,567 1 0	
TARRANGOWER DIVISION.					
Robt. Grigg and Co. ...	Porcupine Flat ...	210 0 0	0 0 20·57	9 0 0	20 feet
John Knight and Co. ...	Porcupine Flat ...	180 0 0	0 0 16	6 0 0	20 feet
	Totals	390 0 0	0 0 19	15 0 0	
ARARAT MINING DISTRICT.					
RAGLAN DIVISION.					
New Victoria G. M. ...	Waterloo	6,400 0 0	0 3 5·87	1,038 5 6	160 feet
Royal Saxon G. M. ...	Waterloo	4,800 0 0	0 2 3·81	518 2 0	160 feet
	Totals	11,200 0 0	0 2 18·7	1,556 7 6	

CEMENT.

THE following information has been obtained from Returns made by the Mining Surveyors and Registrars relative to the AVERAGE YIELD of GOLD from certain parcels 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.	
MARYBOROUGH MINING DISTRICT.					
MAJORCA SUBDIVISION.					
Jones and party	Majorca	24 0 0	0 5 0	6 0 0	
AMHERST DIVISION.					
At T. Bartlemore's Mill ...	Talbot	181 0 0	0 1 7·29	11 16 0	Near the surface
INGLEWOOD DIVISION.					
Richardson and Sons ...	Old Inglewood ...	7 0 0	0 16 0	5 12 0	
Richardson and Sons ...	Old Inglewood ...	40 0 0	0 7 10·8	14 18 0	
	Totals	47 0 0	0 8 17·36	20 10 0	
CASTLEMAINE MINING DISTRICT.					
FRYER'S CREEK DIVISION.					
Thomas and Co.	Bald Hill	30 0 0	1 0 0	30 0 0	80 feet
ST. ANDREW'S DIVISION.					
Crown	Warrandyte	800 0 0	0 1 4·25	47 2 0	135 feet; diorite
170 Europeans	All the district ...	10,000 0 0	0 2 0	1,000 0 0	Various
60 Chinese	All the district ...	1,200 0 0	0 1 16	100 0 0	Various
	Totals	12,000 0 0	0 1 21·88	1,147 2 0	
ARARAT MINING DISTRICT.					
PLEASANT CREEK DIVISION.					
North and South Wales ...	Deep Lead	1,220 0 0	0 4 4·7	255 18 19	

NUMBER AND DISTRIBUTION OF MINERS ON THE GOLDFIELDS OF THE COLONY, FOR THE QUARTER ENDED 31ST MARCH 1882.

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

Name of Place.	No.	Total.
BALLARAT DISTRICT.		
Central Division:		
Ballarat West and Sebastopol ...	1,640	
Ballarat East, including Canadian, Sailor's Gully, Mount Clear, and Little Bendigo	1,345	
Sago and Bunker's Hill	20	
		3,005
Southern Division:		
Long Gully	6	
Staffordshire Reef	80	
Italian Gully	5	
Kangaroo	35	
Moonlight	6	
Bulldog	50	
Rokewood Junction	40	
Mount Misery	183	
Yankee Hill	10	
Grassy Gully	30	
Spring Creek	8	
Sawpit Gully	8	
Jackson's Gully	5	
Whim Holes	20	
Hard Hills	35	
Frenchman's	20	
Pinchgut	30	
Break-o'-Day	80	
Western Creek	70	
		721
Buninyong Division:		
Durham and tributaries	25	
Green Hills and Devonshire ...	10	
Scotchman's and Hard Hills ...	100	
Hiscock's and Fairweather Reefs ...	110	
Winter's Flat and Cobbler's ...	30	
Gum-tree	70	
Napoleon, Kitty's Ranges, and Gympie	30	
Prospecting and isolated parties ...	15	
Grenville	5	
Magpie Ranges	40	
P. J. Ranges	5	
Black Lead	10	
		450
Smythesdale Division:		
Smythesdale	70	
Scarsdale and Newtown	60	
Cape Clear	10	
Brown's	40	
Italian Gully	10	
Derwent Jack's	20	
Piggoreet	20	
Bottle Hill	50	
Snake Valley and Hard Hills ...	70	
Happy Valley and Lucky Woman's ...	150	
Haddon	475	
Golden Lake	5	
Madden's Flat	10	
Linton's	130	
Monkey Gully	12	
Moonlight	5	
Preston Hill	5	
		1,142
Creswick Division:		
Creswick	15	
Clunes	800	
Springhill	1,150	
Red Streak	390	
Union Hill	25	
Longpoint	10	
Diamond Gully	6	
Cobbler's Gully	6	
Bald Hills	10	
Sulky Gully	25	
Slaty Creek	15	
Mopoke	10	
Humbug Hill	12	
Portuguese Flat	15	
Back Creek	10	
Bullarook	15	
		2,514
Carried forward	...	7,832

Name of Place.	No.	Total.
Brought forward	...	7,832
Gordon Subdivision:		
Egerton	346	
Gordon	223	
Korweinguboora	24	
		593
Steiglitz Subdivision:		
Steiglitz	60	
Elaine and Mount Doran	80	
Morrison's, Dolly's Creek, &c. ...	40	
Reid's Creek	30	
		210
Blackwood Division and Blue Mountain South Subdivision:		
Golden Point	50	
Red Hill	40	
Barry's Reef and Split Tree ...	90	
Yankee Reef and Creek	40	
Simmons' Reef	40	
Sebastopol and Lower Lerderderg ...	40	
Blakeville	15	
Snake Gully	40	
Goodman's Creek and Bullengarook ...	20	
Ballan Flat	25	
Garibaldi and vicinity	10	
Wright's Reef	20	
Bacchus Marsh and vicinity ...	10	
Maher's Hill	10	
		450
Ballan Subdivision:		
Upper Werribee River and vicinity ...	4	
		4
Total for Ballarat District ...	...	9,089
BEECHWORTH DISTRICT.		
Beechworth Division:		
Spring Creek	105	
Silver Creek	25	
Deep Creek	22	
Hurdle Creek	25	
Pennyweight Flat	50	
Two-mile Creek	45	
Three-mile Creek	160	
Six-mile Creek	30	
Stony Creek	55	
Myrtleford, &c.	100	
Wooragee, &c.	55	
Reid's Creek	33	
Woolshed	105	
Sebastopol	60	
Eldorado	60	
Stanley and neighborhood	300	
Bowman's Forest	35	
		1,265
Yackandandah South Subdivision:		
Clear Creek	40	
Bruarong	14	
Kirby's Flat	20	
Rowdy Flat	24	
Osborne's Flat	30	
Allan's Flat	14	
Staghorn Flat	26	
Twist's Creek	28	
Muddy Creek	16	
Hillsborough	25	
Sandy Creek	89	
Township	38	
Hayes' Point	16	
		380
Indigo Division:		
Chiltern and New Ballarat Leads ...	148	
Suffolk Lead	4	
Indigo Lead	341	
Lancashire Lead	6	
Lanarkshire Lead	4	
Caledonian Lead	10	
Carried forward	...	1,645

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

Name of Place.	No.	Total.
Brought forward	...	1,645
Indigo Division—continued.		
Clydesdale Lead	10	
Robert Burns Lead	4	
Durham Lead	14	
Rutherglen reefs	50	
Chiltern reefs	40	
Kincardinshire Lead	10	
Newcastle Lead	24	
All England Lead	4	
		669
Buckland Division:		
Buckland	308	
Harrietville	142	
Harrietville to Bright	362	
Bright to Boundary, including Running Creek	182	
		994
Wandiligong Subdivision:		
Morse's and Growler's creeks ...	160	
		160
Alexandra Subdivision:		
Alexandra and vicinity	30	
Gobur and vicinity	10	
Devil's River and tributaries ...	29	
Johnson's Creek and tributaries ...	10	
Head of U T Creek	10	
Goulburn River	10	
Doogalook	4	
Spring Creek and Durham Gully ...	10	
Higinbotham	8	
Ti-tree Creek and vicinity	24	
Acheron River and Field	12	
Maindample and Doon	16	
Yea	20	
Merton and vicinity	20	
Scattered population	11	
Murrundindi and Muddy creeks ...	15	
		239
Benalla Subdivision:		
Benalla	65	
Gowangardie	6	
		71
Dry Creek Subdivision:		
Brankeet Creek	8	
Dry Creek	39	
Hell's Hole Creek	28	
Table Land	12	
Glen Creek	3	
Black Charley's	2	
		92
Gaffney's Creek Subdivision:		
Goulburn River	12	
Gaffney's Creek	40	
Cannon's Creek	2	
Raspberry Creek, &c.	26	
Wallaby Reef and Creek	4	
Moving population	6	
Ryan's Creek	2	
Lyre Bird Creek	8	
		100
Wood's Point Subdivision:		
Wood's Point and Morning Star ...	30	
Lower Goulburn	25	
Right and left branches	20	
Gooley's Creek	4	
Harper's and Pheasant creeks ...	4	
Perkins' Creek and Waverley ...	4	
All Nations and Creek	24	
Black River	22	
Moving population	5	
Maori Creek	3	
Never-mind Spur	22	
		163
Big River Subdivision:		
Warner's Creek	10	
Enoch's Point	10	
Railway Creek	20	
Jim Thomas' Creek	6	
Big River North	26	
Big River South	4	
Fry's Creek	5	
Moving population	4	
Goulburn River	10	
		95
Carried forward	...	4,228

Name of Place.	No.	Total.
Brought forward	...	4,228
Mitta Mitta North Subdivision:		
Cotton-tree Creek and vicinity ...	300	
		300
Bethanga Subdivision:		
Flagstaff Hill	2	
Gift Line	2	
Wombat	10	
Pride of Bethanga	4	
Lucknow	2	
Lighthouse	11	
Bethanga	33	
		64
Mitta Mitta South Subdivision:		
Granite Flat	23	
Mitta Mitta River	10	
Junction	8	
Lightning Creek	6	
		47
Jamieson Subdivision:		
Howqua River and tributaries ...	5	
Goulburn River, from Howqua to Jamieson	20	
Mack's Creek	40	
Goulburn River, from Jamieson to Swampy Creek	60	
Sailor Bill's Creek	80	
Flume Creek	5	
Baker's Creek	30	
Jamieson River and tributaries ...	10	
		250
Total for Beechworth District... ...		4,889

SANDHURST DISTRICT.

Sandhurst Division:		
Back Creek and Spring Gully ...	300	
Sheepshead and Golden Gully ...	420	
Golden Square and Kangaroo Flat ...	400	
Crusoe Gully and neighborhood ...	100	
Marong and Bullock Creek ...	140	
Victoria and New-chum reefs ...	450	
Long, Maiden, and Derwent gullies ...	480	
Ironbark	470	
Bendigo Flat	450	
White Hills and Epsom	100	
Huntly	140	
Sydney Flat and Whipstick ...	300	
Specimen Hill and Sailors' Gully ...	270	
Devonshire Gully and Dead-horse Flat	300	
Windmill Hill and California Gully ...	350	
Eaglehawk Gully and Flat	300	
Snob's Hill and Pegleg Gully ...	400	
Raywood	70	
Elysian Flat	60	
Sebastian	80	
Kamarooka	50	
Scattered and prospecting	220	
		5,850
Kilmore Division:		
Reedy Creek	177	
Sunday Creek	6	
Strath Creek	9	
		192
Heathcote Division and Waranga South Subdivision:		
Graytown	25	
Redcastle	75	
Heathcote	135	
Costerfield	200	
Tooborac	20	
Kimbolton and Campaspe	20	
Coliban and Myrtle Creek	20	
Wild-duck	40	
		535
Waranga North Subdivision:		
Rushworth	96	
Whroo and White Hills	74	
Coy's Diggings	84	
		254
Total for Sandhurst District		6,831

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

Name of Place.	No.	Total.
Maryborough District.		
Maryborough Division:		
Alma	250	
Waterloo	30	
Inkerman	50	
Moonlight Flat	50	
Adelaide Lead	130	
Golden Point	30	
Craigie	50	
Four-mile Flat	65	
Carisbrook	200	
Mosquito	150	
Blucher's	160	
Newtown	150	
Havelock	150	
Chinaman's	525	
Blackman's Lead	50	
Maryborough	260	
		2,300
Majorca Subdivision:		
Majorca	110	
England's Hill Lead	10	
Gibraltar Lead	20	
Scandinavian Lead	10	
McCallum's Creek	30	
Rocky Flat	20	
		200
Amherst Division:		
Talbot	40	
Scandinavian Lead	5	
Mount Greenock Lead	100	
Nuggety and Long gullies	56	
Kangaroo Gully and Flat	134	
Mia Mia Flat and tributaries	81	
Daisy Hill and tributaries	98	
Adelaide Lead South	44	
Blacksmith's Gully	40	
Emu and Cockatoo	50	
Brown's Gully	6	
Rocky Flat	4	
Mount Glasgow	8	
Lilicur	6	
		672
Avoca Subdivision:		
Amphitheatre	50	
Avoca Lead	40	
Green Hill Creek	20	
Percydale	50	
Homebush	400	
Lamplough	20	
Mountain Hut	10	
No. 1 Creek	10	
No. 2 Creek	20	
Kimberley and Sardine	10	
Donkey Hill	15	
Middle Creek, &c.	15	
Gullies east of Avoca	40	
Bung Bong	20	
Lexton	20	
Barnes Reef	25	
Scandinavian Gully reefs	25	
		790
Dunolly and Tarnagulla Divisions:		
Dunolly	300	
Burnt Creek	100	
Goldsbrough	370	
Inkerman	75	
Moliagul, &c.	125	
Bealiba	140	
Murphy's Flat, &c.	12	
Jones' Creek, &c.	120	
Tarnagulla	160	
Half-way, &c.	25	
Llanelly, &c.	30	
Wild-dog, &c.	50	
Mosquito Flat	35	
		1,542
Inglewood Division:		
Inglewood	350	
Berlin Diggings	100	
Kingower	70	
McIntyre's	35	
Synnott's	40	
Burke's Flat	90	
Carried forward		5,504

Name of Place	No.	Total.
Brought forward		5,504
Inglewood Division—continued.		
Opossum Hill	30	
Wehla	25	
Jordan	20	
Kangadaraar Creek	20	
		780
Wedderburn Division:		
Wedderburn	100	
Avoca Forest	8	
Woolshed and Yorkshire Flat	22	
Kilburnie	10	
		140
Redbank and St. Arnaud South Subdivisions:		
Stuartmill, &c.	30	
Redbank, &c.	20	
Hines	10	
Moonambel, &c.	110	
Darling Flat	35	
Emerald Flat	20	
Sandy Creek	10	
Canterbury	25	
Gullies between Stuartmill and Hines	10	
		270
St. Arnaud North Subdivision:		
New Bendigo	140	
St. Arnaud	190	
Silver Mines, &c.	45	
Emu, &c.	12	
Carapooee	12	
Bell Rock, &c.	45	
Blink Bonnie, &c.	17	
Mallee	30	
Queen Mary, &c.	6	
Dalyenong	46	
		543
Total for Maryborough District		7,237
Castlemaine District.		
Castlemaine Division:		
Castlemaine	80	
Eureka Reef	20	
Guildford	90	
Campbell's Creek	98	
Sailor's Gully	40	
Barker's Creek	84	
Myrtle Creek	10	
Moonlight Flat	72	
Chewton	175	
Wattle Gully	71	
Golden Point	68	
Diamond Gully	72	
Bolivia Reef	45	
		925
Fryer's Creek Division:		
Golden Gully to Fryerstown	268	
Spring Gully to Specimen Hill	40	
Chok'em Flat to Vaughan	122	
Butcher's and Kangaroo hills	90	
German and Mopoke gullies	84	
Loddon: Vaughan to Pennyweight	80	
Table Hill and Tarilta	110	
Guildford hills	200	
Loddon: Vaughan to Holcombe	90	
Nuggety Hill and Irishtown	110	
Green and Sailors' gullies	58	
Pickpocket and Hard hills	66	
Strathloddon and Hit-or-Miss	70	
		1,388
Hepburn Division:		
Dry Diggings Section	55	
Yandoit Section	96	
Boots Gully Section	37	
Italian Gully Section	18	
Spring Creek Section	64	
Doctor's Gully Section	21	
Brandy-hot Section	36	
Deep Creek Section	86	
Carried forward		2,313

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

Name of Place.	No.	Total.
Brought forward		2,313
Hepburn Division—continued.		
Blind Creek Section	142	
Stony Creek Section	43	
Wombat Creek Section	68	
Daylesford Section	261	
Connel's Gully Section	37	
		964
Taradale and Kyneton Subdivision:		
Taradale	70	
Liberty Flat and Belltopper ...	58	
Redesdale	20	
Malmsbury	170	
Coliban	25	
Lauriston	92	
Scattered	20	
		455
Tarrangower Division:		
North Maldon	62	
Beehive Hill	54	
Eaglehawk	75	
Long Gully	37	
Porcupine Flat	52	
Mount Tarrangower	46	
Sandy Creek	53	
Nuggety	12	
Mia Mia	2	
Green Valley	14	
Muckleford	18	
Clydesdale	35	
Parkin's Reef	35	
German Reef	28	
Bell's Reef	11	
Newstead	15	
Blacksmith's Hill	12	
		561
St. Andrew's Division:		
Anderson's Creek	72	
Long Gully	17	
Smith's Gully	12	
Yow-Yow	13	
Wild-dog	16	
Walsh's	24	
Warburton	30	
Cherry-tree	5	
Cobbler's Gully	6	
Watery Gully	2	
Reefton	17	
Pioneer	3	
Queenstown	31	
Kingstown (Panton Hill)	21	
One-tree Hill	2	
McMahon's	7	
Emerald	9	
Starvation Creek	2	
Hoddle's Creek	45	
Muddy Creek	3	
Wombat Creek	2	
Wilson's Creek	5	
Cumberland Creek...	2	
		346
Blue Mountain North Subdivision:		
Trentham	24	
Newbury	43	
Garlick's	77	
		144
Total for Castlemaine District		4,783

ARARAT DISTRICT.

Ararat Division:		
Ararat Proper	210	
Armstrong's	65	
Philip's Flat and Cathcart	65	
Shea's Flat	20	
Opossum Gully and Port Curtis ...	50	
Moyston and Londonderry	30	
Emu Rush and Fryingpan Plains ...	10	
		450
Carried forward		450

Name of Place.	No.	Total.
Brought forward		450
Pleasant Creek Division:		
Silver Shilling	12	
Deep Lead, Forty-foot, & Welshman's Flat	392	
Great Western	90	
Stawell	665	
Seventy-foot	20	
Germania	8	
Welcome	6	
Darlington	12	
Ironbark	35	
Cosmopolitan	30	
		1,270
Barkly Division:		
Landsborough	105	
Barkly	40	
Frenchman's	115	
Glenpatrick	70	
		330
Raglan Division:		
Beaufort	80	
Sailors' Gully	34	
Waterloo	369	
Old Main Lead	91	
Chute	26	
		600
Total for Ararat District		2,650

GIPPSLAND DISTRICT.

Omeo Subdivision:		
Livingstone Creek	170	
Mitta Mitta River, from Cobungra to Wombat Creek	20	
Wombat Creek	18	
Swift's Creek	142	
River Tambo	12	
Cobungra...	2	
		364
Gibbo Subdivision:		
Gibbo River	20	
Sassafras Creek and Saltpetre Creek	17	
Zulu Creek	44	
Thowgla Creek	30	
Wheeler's Creek	4	
		115
Mitchell River and Boggy Creek Subdivisions:		
Nicholson and Tambo rivers and their tributaries	100	
Boggy Creek	120	
Merrijig Creek	20	
Sandy's Creek	30	
Two-mile Creek	10	
Bennett Creek	10	
Mitchell River	30	
		320
Crooked River Division:		
Grant	13	
Crooked River	34	
Jungle Creek	5	
Twelve-mile Creek...	5	
Twenty-five-mile Creek	5	
Thirty-mile Creek	5	
Upper Dargo	13	
Good Hope (Mine and Creek) ...	8	
Good Luck Creek	12	
Wongungarra	4	
		104
Dargo Subdivision:		
Middle Dargo	60	
Lower Dargo	6	
Mount Birregun	4	
Dane's Creek	4	
Wentworth River	35	
Eureka Reef	1	
Normanby Reef	6	
Exhibition Reef	10	
Mount Budgee Reef	6	
Mitchell River	15	
Morris Creek	4	
Teapot Creek	3	
Prospecting	4	
		158
Carried forward		1,061

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

Name of Place.	No.	Total.
Brought forward		1,061
Jericho Division:		
Dry Creek	8	
Lower Jordan	61	
Upper Jordan	10	
Red Jacket Creek	10	
Blue Jacket Creek...	8	
B B Creek	26	
Prospecting and fossicking	13	
Lily of the Valley Co.	10	
Aberfeldy River	12	
Star and Thomson	6	
Lochfyne Line	4	
Aberfeldy Co.	12	
Toorak Line	14	
		194
Donnelly's Creek Division:		
Donnelly's Creek	66	
Aberfeldy	46	
Fulton's Creek, &c.	14	
		126
Aberfeldy Subdivision:		
Toombon Claim	35	
New Lily and Stockholm Prospecting Claims	11	
Thomson River	26	
Aberfeldy River	30	
		102
Stringer's Creek Division:		
Walhalla (Cohen's Reef)	307	
Aberfeldy River	30	
Thomson River	70	
Stringer's Creek	6	
Various rivers and creeks	6	
Ranges (prospecting)	21	
		440
Russell's Creek Division:		
Crossover Creek	5	
Tanjil, &c.	35	
Russell's Creek	7	
Hawthorn Creek	7	
Wombat Creek	2	
Columbia Reef (Buckley's Flat) ...	4	
Carried forward	...	1,927

Name of Place.	No.	Total.
Brought forward	...	1,927
Russell's Creek Division—continued.		
Good Hope Creek	1	
Stony Creek	2	
Bull Beef Creek	3	
Western Branch	14	
Camp Creek	1	
Ross' Creek	1	
		82
Bendoc Subdivision:		
Bendoc	20	
Delegate River	10	
Bog and Queensborough	19	
Back Creek	40	
Prospecting	6	
Bonang	4	
		99
Tarwin Subdivision:		
Foster	40	
Waratah Bay	20	
Benison's Creek	3	
Golden Creek	3	
Franklin River	2	
		68
Traralgon Subdivision:		
Morwell	2	
Naracan Creek	4	
Traralgon Creek	2	
Flinn's Creek	2	
Tyer's River and Creek	8	
Merriman's Creek	3	
Moe	2	
La Trobe	4	
Eaglehawk Creek	4	
Couchman's Creek	12	
Drouin	6	
Sunny Creek	4	
Tarwin	3	
Bennett's Creek	3	
Red Hill	6	
		65
Total for Gippsland District ...	...	2,237
GRAND TOTAL ...	...	37,716

Office of Mines,
Melbourne, 19th April 1882.

THOS. COUCHMAN,
Secretary for Mines.

MINING SURVEYORS AND REGISTRARS' REPORTS.

BALLARAT MINING DISTRICT.

CENTRAL DIVISION.

Mr. David Christy, Mining Registrar.

In reviewing the progress of mining for the last quarter, and also making an examination of my statistical returns for that term, I am happy to be in a position to state that the further development of mining, particularly in quartz, in my division, shows unmistakably that enterprise, coupled with capital, under judicious management, secures proportionately greater returns, and gives an enhanced value to the dividend-paying claims, as well as a stimulus to others.

At no time have we been clear of unsuccessful companies on this goldfield, even in our best days of alluvial mining.

In order to obtain a fair idea of the prosperity of this district and the chances of success, we must be guided by the average yields per ton, as shown in my statistical returns referred to, which bear evidence of a gradual improvement.

The companies of most importance at present are the Band and Albion Consols, Crescent Company, Sergeant's Freehold, Band of Hope Quartz No. 2 and No. 4, New Burra Burra, Young Band Extended, New Koh-i-noor, &c. Indeed, I may simply include the various companies engaged on the line of reef extending north from the Band and Albion Consols.

Mundic has been found in veins in the Crescent, Sergeant's Freehold, and New Burra Burra companies, and the stone associated with it is highly remunerative. The mundic is similar to that obtained by the Band and Albion Company, on the track of which they discovered the very rich stone, which has rendered the line of reef referred to famous. It would therefore appear that this mundic may be regarded as an indicator to the paying stone on this lode in the Indicator Reef extending south from the Black Hill.

Alluvial.—In this branch of mining, I have nothing new nor of any importance to mention.

The small companies are making fairly remunerative wages, and the fossickers and Chinamen are keeping up their general average.

The City of Ballarat Company are still energetically pushing on with their mining operations, and it is to be hoped that this company will soon be richly rewarded for their great expenditure and patient perseverance.

The consumption of water by mining companies during the quarter was 101,200,000 gallons. Rate per 1,000 gallons:—1s. for boiler purposes, and 3d. for crushing and sluicing purposes.

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

	oz.	dwt.	gr.
City of Ballarat	279	0	18
Co-operative parties, including Chinese, approximately ...	1,200	0	0
	1,479	0	18

DIVIDENDS PAID FROM QUARTZ MINES DURING THE QUARTER.

	£	s.	d.
Band of Hope and Albion Consols Company	8,418	15	0
Black Hill Company	372	0	0
New Koh-i-noor Company	3,600	0	0
Band of Hope Quartz No. 4 Company	2,100	0	0
Band of Hope Quartz Company	600	0	0
Band of Hope Quartz No. 2 Company	1,000	0	0
Smith's Freehold Company	600	0	0
Britannia Company	250	0	0
Washington Company	1,200	0	0
Young Band Extended Company	3,600	0	0
Temperance Company	1,000	0	0
	£22,740	15	0

BALLARAT SOUTHERN DIVISION.

Mr. George Perry, Mining Registrar.

QUARTZ MINING.

Owing to the large amount of progressive work which has been carried on in some of our principal mines, a smaller quantity of stone than usual has been crushed, consequently, the yield of gold from this source is considerably less this quarter than last.

The Little Hopewell Company's Tributers No. 1, at Staffordshire Reef, have been engaged in prospecting at the 227-foot level, and have recently struck a lode 4 feet wide, showing apparently payable gold. No trial crushing has yet been made, but 70 tons of stone have been raised to the surface, awaiting crushing. The Tributers No. 2 have also been engaged in prospecting at the 22-foot. level, and have struck a lode 50 feet to the east of that struck by the Tributers No. 1. It is 6 feet wide, showing coarse gold. A trial crushing is now being made, but the result will not be known in time for this report.

The Speedwell Tribute Company have sunk their shaft to the depth of 240 feet, and are opening out at 230 feet.

Charles Wilson and Son's have added four stampers to their battery, and have built in a new boiler.

The Rising Star Company have sunk their shaft to the depth of 100 feet, opened out, and are now cross-cutting for the lode.

The Williams' Fancy Company's Tributers, at Kangaroo, are working good stone, 8 feet wide, but in consequence of foul air, the quantity raised is much below the usual average.

The Long Gully Company United, at Corindhap, have been engaged during the quarter in the erection of a ten-head battery, which is to be completed in five weeks. The estimated cost is nearly £3,000.

The Golden Tunnel Company, at Mount Misery, have driven their tunnel 385 feet, but have not yet struck the lode.

Alluvial.

The McGill's Freehold Company, at Rokewood, are driving in wash from 2 to 3 feet thick; seven machines of stuff have been washed, for the total yield of 50 oz. 10 dwt. The prospects are considered good.

Grant and party and Turner and party are doing well.

The Lucky Company, at Kangaroo, are still doing exceedingly well.

No water is sold in this division.

BUNINYONG DIVISION.

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

Quartz Mining.

This branch of mining has suffered from the scarcity of water; mostly all the batteries have only been at work for half of the three months, still the yield has exceeded last quarter, and there is every prospect of a great improvement. The Imperial have just completed the erection of new machinery, at a cost of £2,000, to work the northern portion of their claim; and the One-and-All Company are now erecting a new plant; the South Imperial have their battery nearly ready. This makes eight batteries, seven of which will be at work during next quarter.

Excellent prospects have just been obtained by the Desoza, at their 230-foot level; and by the Ferguson Company, at 160 feet deep.

On the Long Gully Reef, the Lady Mary Company are erecting crushing machinery; and on the Devonshire, the Rubicon Company are working vigorously, proving their reefs. On the Napoleon, active operations are being carried on to work the reef at the Slow and Sure mine. Kitty's Reef appears to be quite neglected.

Alluvial Mining.

A good prospect has been obtained by a party working in Kitty's Gully, at a depth of 60 feet. The usual shallow working is being carried on.

Lignite.

The Victorian Brown Coal Company, Lal Lal, still carry on their works to a small extent, employing occasionally a few men.

SMYTHESDALE DIVISION.

Mr. John Lynch, Mining Surveyor and Registrar.

The yield of gold for the quarter is the smallest that we have ever had to record. The falling-off is not confined to one locality, but is general throughout the division. At Haddon alone, there is a reduction of 968 ozs. The Reform claim, the chief contributor for many years, no longer heads the list, the local yields being now dependent on the operations of the Chinese tributers within the Nintingbool estate. These Chinese have done well; their skill, industry, and perseverance have been amply rewarded. The Reform is sinking a new shaft not far from the site of No. 1. It is not bottomed yet. The Racecourse Company too has suffered a considerable declension, but this is believed to be only temporary. The Haddon Valley Company has ceased working, not having found anything payable. Haddon Valley Consols, ahead of the latter, seems disinclined to start operations, probably discouraged by the failure of its neighbor. Along the valley of Smythesdale and Scarsdale there are but a few small parties at work; none of these can be regarded as fortunate. The plant and furniture in process of erection by the Golden Belt Company, at Piggoreet, was burned early in January last, and that disaster has been the source of grievous delay and disappointment to all concerned. The work of reconstruction has, however, been pushed on with commendable activity, and is now in an advanced condition. The Springdallah Junction, at Happy Valley, is doing fairly well; but that part of the division is in a languishing state. The Caledonia, at Bottle Hill, has bottomed, but has not as yet reached the expected lead. In quartz mining there is an awakening interest manifesting itself in many parts of the division. The Britannia Reef has got into the possession of a new company, which is able, and appears to be willing, to give the place a proper trial. A lease of the ground has been applied for, and the application is at present under consideration. The Lancashire Reef, at Brown's, where work has been for a long time in abeyance, has also been brought into requisition, and under auspices which bids well for a successful issue. A quartz mining lease has been applied for by William Hodle, at the head of Candlestick Gully, Lintons. This ground was partially worked twenty years ago, and paid well, although the equipment in all its parts was of the most imperfect character.

CRESWICK DIVISION.

Mr. James Stevenson, Mining Registrar.

I have the honor to report that the yield of gold for the quarter is nearly equal to that of the previous quarter. In quartz there is a decrease of about 700 ozs., caused by a smaller quantity of stone having been crushed, but the average yield is more than 11 grs. per ton greater than for the previous quarter.

There is a slight increase in the yield of alluvial gold. There are now six diamond drills at work in the division, which will soon define the deep leads, and probably cause sinking to be proceeded with.

The following are the yields and dividends, &c., from the principal mines :—

Name of Company.	Yields.			Dividends and Royalty.		
	oz.	dwt.	gr.	£	s.	d.
Ristori Freehold Company, Spring Hill ...	4,142	5	0	6,673	16	0
Madame Berry Company, Spring Hill... ...	4,912	4	0	15,019	13	0
Loughlin Company, Spring Hill	4,275	7	0	12,715	4	0
Lone Hand Company, Spring Hill	3,293	5	0	7,620	7	6
Dyke's Freehold Company, Spring Hill ...	986	16	0	297	8	6
Cooper's Freehold Company, Spring Hill ...	338	2	4	103	16	6
Spring Hill Consols, Spring Hill	37	18	0	18	12	5
New Australasian Company, Red Streak ...	3,927	10	0	5,000	0	0
Union Hill Company, Creswick	105	12	12	...		
Approximate from small claims	700	0	0	...		
Port Phillip Company, Clunes	...			282	9	10
New North Clunes Company, Clunes	...			514	0	0
	22,718	19	16	£48,245	7	9

The quantity of water used during the quarter was 69,340,000 gallons, at 1½d. per 1,000 gallons.

GORDON SUBDIVISION.

Mr. Thomas Cowan, Mining Surveyor and Registrar.

Black Horse United Company, Egerton.—The operations of this company were very much interfered with during the past quarter by a strike among the miners, who were idle for upwards of a month. There is nothing new to report, except, that there is a slight improvement in the quality of the stone lately crushed, which would justify the hope of further improvement. During the quarter 4,562 tons of stone have been crushed, for 832 ozs. of gold, or an average of 3 dwts. 15·51 grs. per ton. No dividends have been paid during the quarter. Since the strike the number of men has been reduced to 75.

The Egerton Company, Limited, Egerton.—This company have been regularly at work during the quarter, raising stone from depths ranging from 280 to 810 feet, the returns from which are still exceedingly satisfactory. 8,967 tons of stone have been crushed during the quarter, yielding 4,779 ozs. 4 dwts. 12 grs. of gold, or an average of 10 dwts. 15·83 grs. per ton ; and dividends amounting to 3s. 6d. per share, equal to £4,375, have been paid. Two hundred and fifty men have been employed.

Egerton.—No work has been done by the Discovery Company during the quarter.

Twenty-one Chinese are still engaged in washing the tailings from the Black Horse and Egerton companies' batteries. It is stated that 60 ozs. of gold have been obtained.

The Parker's United Company, Gordon.—This company have continued to obtain regular crushings from depths varying from 440 to 625 feet. The lode tapered off in the 440 and 625-foot levels, in the latter of which, and at the 650-foot levels, a slide appeared, which disturbed the stone. During the last month of the quarter a lode 5 feet in width was struck in the 700-foot level, and a drive has been constructed a short distance along its course, the stone showing gold freely. 1,257 ozs. of gold have been obtained from 2,700 tons of stone, or an average of 9 dwts. 7·46 grs. per ton; 70 ozs. have also been obtained by treating pyrites. One hundred and fifty men have been employed. One dividend of 1s. 6d. per share, equal to £1,500, has been paid during the quarter.

Gordon.—The Parker's Company.—A slight amount of prospecting has been carried on by this company during the quarter, but, not meeting with anything of a payable nature, they have again ceased operations.

The Parker's Freehold Company.—This company have been continuing to sink their shaft during the quarter, which has now reached a depth of 675 feet. Eighteen men have been employed.

The Parker's Extended Company.—This company are still engaged in prospecting their ground. A trial crushing of 76 tons was taken from the 100 and 150-foot levels, which yielded 142 ozs. 7 dwts. of gold, or an average of 1 oz. 17 dwts. 11·05 grs. per ton. Nineteen men have been employed.

The Shamrock Company.—Prospecting operations are still being carried on by this company at a depth of 335 feet. A trial crushing of 37 tons was taken at this depth from a lode between 3 and 4 feet in width, which yielded 38 ozs. of gold, or an average of 1 oz. 0 dwts. 12·97 grs. per ton. The company are now engaged in sinking their shaft to a further depth, and employ 15 men.

The Parker's United No. 1 Quartz Mining Company.—This company have completed the erection of the machinery mentioned in my last report, and are now engaged in sinking their shaft, which has reached a depth or 394 feet. Twelve men are employed.

North Parker's Company.—Sinking operations have been discontinued by this company.

No work has been done during the quarter by the Kerrit Bareet Company, the Parker's No. 2 Company, or the Parker's United Miners Company, Moorabool West. The machinery has been removed from the first and last mentioned.

Nine Chinese are still engaged in washing the tailings from the Parker's United Company's battery, and, as I have been informed, have obtained 22 ozs. of gold.

The Great Northern Parker's Company, Korweinguboora.—The erection of a 10 horse-power engine and a battery of five heads, mentioned in my last report, has been completed by this company. A trial crushing of 15 tons from a lode averaging 6 inches in width was obtained, which yielded 10 ozs. of gold, or an average of 13 dwts. 8 grs. per ton. Twenty-four men are now engaged in prospecting the mine.

Alluvial Mining.

No alluvial mining has been carried on during the quarter.

Lal Lal Ironworks, Lal Lal.

This company have been engaged during the last eight weeks of the quarter in smelting iron ore, which has produced 300 tons of iron. Ninety men have been employed.

The information with regard to the amount of gold purchased was obtained from the managers of the Union Bank, Egerton, and the London Chartered Banks, at Ballarat and Gordon.

STEIGLITZ SUBDIVISION.

Mr. D. Murphy, Mining Registrar.

Mining throughout this subdivision has been almost at a standstill, owing to want of water, especially at Steiglitz, no quartz having been crushed there for the past five months. Numbers of miners have their quartz and washdirt stacked or paddocked, waiting for rain to enable them to crush or wash. Nevertheless, things are looking very much better in all parts of the subdivision than they have done for the last three or four years. The Britannia Rival Company have erected machinery on their claim at Steiglitz, and are now ready to start operations if they had water. At Reid's Creek, near Meredith, the McRae Bros. have struck a small reef, bearing good gold; and numbers of the inhabitants are now prospecting the locality, which is all freehold land. Alluvial digging has been carried on briskly during the dry season, but it is impossible to get anything like a fair estimate of the amount of gold obtained, as most of the diggers sell their gold in Ballarat.

BLACKWOOD DIVISION AND BLUE MOUNTAIN SOUTH SUBDIVISION.

Mr. John F. Hansen, Mining Registrar.

The erection of the 10-head battery by the Koh-i-noor Company has been completed, and crushing operations were commenced on Monday the 20th March last. The battery is worked by means of a wheel, 30 feet in diameter, driven by water-power. The water is obtained from the Government reservoir, which was opened for the use of alluvial miners working the banks and bed of the River Lerderderg seven weeks prior to starting the battery, consequently, the pressure had greatly diminished, the 9-inch outlet pipe giving only sufficient water to drive half the battery, namely, five stamp-heads; if, however, a copious fall of rain should not take place almost immediately, crushing operations will have to be stopped for want of water, early in the month of April. Referring to my last report, in which I stated that a cross-drive from the old Koh-i-noor's main shaft had been put in at the 120-foot level to intersect the shoot of gold at the 60-foot level, I have now to report that this has been successfully carried out. The reef here is from 4 to 6 feet in width, and gold is freely seen in the quartz. I beg to forward a sample of the stone at present operated upon. From the appearance of the plates, it is almost certain that the returns will not be under 10 dwt. of gold per ton of quartz crushed. Taking into consideration that the winding, pumping, and crushing is entirely carried out by water-power, the working expenses of a reef of this size must be very moderate, consequently the yield of gold should be highly remunerative. In driving north and south no difference has been found in the character of the stone or country; there are 60 feet of backs to work upon, with a reef underfoot apparently of the same quality. It may not be out of place to state here that this mine was held by a public company at the time of the great rush in 1869; expensive machinery was erected, and a shaft sunk to a depth of 150 feet, but, as usual in those days, in this locality, almost no underground work was done to test the mine, the result being a complete collapse of the company, and the removal of the machinery. Afterwards the ground was taken up by a co-operative company (Williams Bros.), who obtained excellent prospects and payable gold at a depth of 60 feet; the influx of water, however, was too much to overcome with the appliances at their disposal; and the ground was again abandoned, and has been lying idle for about six or seven years until recently, when this new company was formed.

The Simmons' Reef Amalgamated Mining Company have drained their mine to the bottom, or 400-foot level, and the shaft has been substantially repaired; a drive connecting the mine with the old Cornish Company's shaft at the 200-foot level, for the purpose of getting ventilation, has been completed, and the erection of the battery will be started shortly.

The Countess Company have perfected the erection of a winding and pumping engine, and the sinking of the shaft another 50 feet will be started immediately. The New Cosmo Company, the New North Britain Company, and several more of the lately-formed companies are all engaged in progressive works.

Alluvial Mining.

A specimen of 85 ozs. in weight, containing 54 oz. of gold, was dropped upon by a party of three young men at Back Creek (Simmons' Reef). The depth of sinking is about 20 feet, with about 6 feet of wash-dirt. The shaft was commenced some time back by two lads, who, coming upon some hard cement, left it, after which a second party bottomed; but, finding no payable gold on the bed-rock, abandoned it, and the party above referred to took possession and thoroughly prospected it. They found the best of the gold in a wash 2 feet above the bottom, from which good wages, independent of the specimen, have been obtained during the last two months.

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

The quantity of water sold has been, from the reservoir, about four sluice-heads, averaging about 15s. per week per sluice-head.

The rainfall during the quarter has been:—January, 0·34; February, 0·34; March, 1·50; total, 2·18 inches.

BALLAN SUBDIVISION.

Mr. John F. Hansen, Mining Registrar.

No mining, except fossicking, has been carried on in this subdivision during the quarter.

BEECHWORTH MINING DISTRICT.

BEECHWORTH DIVISION.

Mr. Alexander Alderdice, Mining Registrar.

The past quarter has been the very driest ever experienced in this part of the colony, and, in consequence, work by the miners in sluicing claims has been nearly at a standstill, the races not giving more than one working day's water per week. There are creeks and springs in this division perfectly dry, which were never known to be so since the opening of the gold diggings. It is feared that unless the coming winter prove more than ordinarily rainy, the race owners will have a poor season, as the sources of supply are so thoroughly dried up that only heavy and continuous rains can open them.

The gold brought forward has been about the average quantity. The following are some of the principal yields, viz.:—Rocky Mountain Company, Spring Creek, 733 ozs., from about 1½ acre of ground; Ah Hen and Co., Spring Creek, 210 ozs., from 1 acre of ground; Booth and Co., Hurdle Flat, 51 ozs., from ¾ acre of ground; Wallaby Tribute, Hurdle Flat, 140 ozs.; Reform Tribute, Myrtleford, 247 ozs.

There is very little to report in alluvial mining. The sluicers generally are preparing for winter, by cutting and repairing races, opening springs, or building dams. There are several claims at Stony Creek and Bowman's Forest from which washdirt cannot be operated on before rain sets in.

The tributers in the Reform Company and the Wallaby Company have both struck very good stone which went over an ounce to the ton. Both the Reform and Wallaby reefs look better than they have done for years past.

Several old reefs have been again taken up, but no crushing has yet been done. Mr. Biddington is putting up a mill at the Tubal Cain Reef, Stony Creek, and he is sinking a shaft for the purpose of striking the reef at 250 feet. It is said that payable stone was left in the bottom of the old shaft.

Tunnels are being driven into the old Darling Grant and Waterloo reefs, Barwidgee.

As soon as rain comes, a company intend opening the old Kneebone Claim, at Eldorado, where it is well known that both gold and tin were left, which would pay remarkably well to work now.

YACKANDANDAH NORTH SUBDIVISION.

Mr. J. C. Forster, Mining Registrar.

There is no mining at present in this subdivision.

YACKANDANDAH SOUTH SUBDIVISION.

Mr. J. Smart, Mining Registrar.

In alluvial mining, owing to the extraordinary dry season, the creek sluicing claims have not been worked, and, in consequence, little gold has been obtained during the past quarter.

In quartz mining, I have to report that the crushing machines at Sandy Creek, Back Creek, and Twist's Creek have been idle during the last quarter, for want of water. Several hundred tons of stone are now ready to be operated upon, from which good returns are expected.

The abandoned Topaz Reef, at Clear Creek, has been taken up by a co-operative company, who are now erecting a water-wheel and battery to crush the stone, some of which is at grass, and is expected to yield good returns.

INDIGO DIVISION.

Mr. R. Arrowsmith, Mining Surveyor and Registrar.

Quartz mining throughout the division has been unusually dull during the quarter; this may be partly attributed to the extreme dryness of the season and consequent scarcity of water at the mills. Work is now easily obtainable at the large alluvial claims which are being opened up, and many men prefer steady wages to the uncertain income of the quartz miner in this division.

The Robert Burns Prospecting Company have done little or no work during the quarter. Calls come in slowly, and some of the shareholders have withdrawn altogether; consequently the directory have deemed it advisable to suspend operations, pending more satisfactory arrangements.

A public company has been formed to work the claim of Harris and Hollow, at Rutherglen, and work has been recently commenced. The manager reports having struck a good face of stone, showing gold very freely. He expresses great confidence in the future of the claim, and is surprised that so small a portion of the reef has been opened up, considering the large quantity of gold obtained by the previous shareholders. The company has applied for the adjacent ground, and there is every reason to suppose the venture will prove successful.

The alluvial claims of the Chiltern Valley Gold Mines Company and the Stockyard Mining Company continue in full work, blocking out and extending main drives; while the Federal Standard and Star ompanies are busily engaged in the erection of their machinery and other preparatory work.

The company who effected the purchase of the private land north of the Chiltern Valley Gold Mines Company have commenced boring for the deep ground ; three bores have been put down, all too shallow, the next one will most likely be successful, when the erection of adequate machinery will be at once proceeeded with.

Owing to the extreme dryness of the season, little or no gold has been obtained by the Chinese on the old workings. I observe a considerable quantity of wash dirt has been stacked, and no doubt, with a plentiful supply of rain, the returns of alluvial as well as quartz gold will be largely increased.

WANDILIGONG SUBDIVISION.

Mr. T. C. Kaighin, Mining Registrar.

I have the honor to report that, owing to the extreme dryness of the past summer, no crushing of importance has been made from any of the quartz reefs in this subdivision, during the three months ending 31st March. Such an occurrence is unprecedented in the mining experience of the subdivision, but it is anticipated that the crushings to be made during the present quarter will bring the yield for the half-year up to the average of past returns, supposing rain to fall in sufficient quantities to work water-wheels.

No fresh finds of quartz reefs of any value have been made during the quarter.

Another large block of ground has been taken up by a Melbourne company on Upper Morse's Creek, for the purpose of working the deep alluvial ground.

The Wandiligong Estate Deep Lead Gold Mining Company commenced operations, and attempted to sink a shaft in the deep alluvial ground in their claim, by manual labor ; a depth of 30 feet was attained, below which the great influx of water prevented anything more being done. Arrangements were then made for the erection of a steam plant on the mine, for crushing and winding purposes ; the boiler and engine of the old "Home" crushing mill was purchased, and also the bob sand pumps of the defunct Bright Company, and a contract let for the erection of same, which is now under way; the contractor, Mr. W. H. Mitchell, is making good progress with the work.

The yield of alluvial gold for the quarter was 65 ounces.

BUCKLAND DIVISION.

Mr. B. K. Smart, Mining Registrar.

The yield of gold has been unprecedentedly low, owing to the mills having been unable to crush the quantity of stone to hand, and in many alluvial claims work has ceased altogether, owing to scarcity of water ; but the decrease in the amount of gold won is only temporary, caused by an exceptionally dry season. Faith in the resources of this division is still strong, and is evinced practically by such companies as the Trident, the New Wallace Deep Lead, and the Shamrock being all now busily engaged in the erection of very powerful machinery.

The quartz returns from Freeburgh are very good, considering that only about thirty mines are at work at that place ; the reefs also are continuing good as they are worked downwards. Two large alluvial claims, one worked by Bunn and Co. and the other by a party of Chinese, have ceased work through the dryness of the river ; but this dryness, so detrimental to some, has been taken advantage of by several small parties to work the river bed, with very good returns, and by others to prospect the flats, by putting in very long cuts.

At Harrietville Left Branch those alluvial miners that remained after the rush and persevered are making wages. Recently there was on view a beautiful sample from Burke's claim, consisting of nuggets of from 3 to 9 dwts. each, with other coarse gold.

Most of the new finds during the quarter have been at Running Creek and Harrietville.

At Upper Buckland, Porepunkah, Running Creek, and Bright no quartz has been crushed during the quarter.

No water has been sold during the quarter.

ALEXANDRA SUBDIVISION.

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

The chief feature in the quarter's history is the material improvement and payable yield of the Vulcan Company's mine, particulars of which are given in the tabular forms herewith. The manager reports that he is now prospecting both on the 300-ft. and 400-ft. levels, with encouraging prospects. There is a considerable amount of untouched ground over the above levels to the north-west of the present workings, which, it is to be hoped, will be tested shortly and with good results. The Marchioness of Normanby Company are down 100 feet in their new shaft. No. 5 Lucky has suspended operations pending negotiations for amalgamating with the Vulcan, whose machinery and position afford facilities for working that mine to great advantage.

Mining in the Yea District is looking up. The veins in this part of the division promise well. They are substantial, and appear to extend across the country. The Providence Company still continues at work, though the yields are low at present. The permanent water-level being at a depth of 50 feet only from surface, powerful pumping machinery will be required before the mine can be properly developed. For the present the erection of further machinery has been stopped. The alluvial has been unusually poor during the quarter, but encouraging prospects are now being obtained along the immediate banks of the Goulburn. Here, as elsewhere, the exceedingly dry summer has affected the mining industry materially. Three men during the quarter have been working intermittently on Tin Creek, a tributary of Bishop's Creek ; but the full extent of the stream tin deposit has not yet been ascertained. All other mining has been for gold. I hear of no water being sold.

DRY CREEK SUBDIVISION.

Mr. J. Pemberton, Mining Registrar.

Alluvial mining is at a stand-still, owing to the great want of water; and there is nothing new to report relative to quartz mining during the past three months, except, that prospecting has been more vigorously carried on, and some very good results obtained on table land east of and adjacent to Mr. Meade's Unee claim, from the lower level of which claim good stone is also now being raised.

BENALLA SUBDIVISION.

Mr. C. H. Wheatland, Mining Registrar.

Owing to the very dry weather that has prevailed here during the past quarter, there is little or nothing to report in connection with mining at Benalla.

Many of the quartz claims have suspended operations temporarily in consequence of the want of water.

The Shannon Company, however, has, I understand, a fair quantity of stone ready for crushing, and only awaits the desired change of weather.

The New Temora (alluvial) Company has been extending its drives, but nothing noticeable has occurred.

The Lady Ethel Company, I am informed, expects to be in full work by the middle of April. The Royal Exhibit Company is not at present working.

The same dulness exists at Gowangardie and Goomalibee, and, until the drought breaks up, I do not anticipate any alteration in the present state of affairs.

GAFFNEY'S CREEK SUBDIVISION.

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

Owing in a great measure to the want of water, the yields for the past quarter have been very small. Many of the mines are at a standstill; others have reduced their staff of men to the narrowest limits. The return from the Victoria Company includes 28 ozs. taken from the copper plates; and the return from the Golden Belt Company, 8 ozs. from a similar source.

The Transit of Venus Company are pushing the erection of their machinery and mine connections with vigour, and the appearance of the rise now being put up is improving. It will be remembered that the trial crushings from this mine gave an ounce to the ton, so that the venture has excellent prospects. It is reported that the Rose of Denmark mine has passed out of the hands of the Bank, and is likely to be placed on the home market. The extent of the mine, its former yields, and the necessity of a considerable outlay to do justice to the lode, specially fits it for a large company such as the purchasers contemplate forming. Such a company would be able to undertake the permanent works required for the proper development of the mine. The well-wishers of the district will look forward with anxiety to the success of the owners in floating the venture.

The A1 Company have 50 tons of stone to grass, and will crush during the next quarter, as will also in all probability the Wallaby tribute party. The Golden Belt Company are now idle. The alluvial yields are equal to past returns.

I hear of no water being sold; and no metal save gold is being mined for in this subdivision.

WOOD'S POINT SUBDIVISION.

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

The unusually dry season has seriously affected the yields in this subdivision; and I have only two crushings to report. A small yield from Messrs. Mulholland and party's mine, Standen Creek, has not reached me, but it will be included in next quarter's return. These are, I believe, all the yields for the quarter. The Hope, the United and Alps, the Mountaineer, the Sir John, the Lady Franklin, the Waverly, and the Prince of Wales companies have had no crushings.

About a month ago Messrs. Folke's and Mainx, prospecting the old Perseverance ground, found a new lode on the Gippsland side of the range, at Matlock, which has been traced for about two miles to the north-west. The lode or diorite dyke is similar in composition to the Waverly lode, but with better defined veins. It underlays on the south side of the range to the eastward, and is about 4 feet in thickness. The quartz veins run from 1 to 4 inches in thickness, dip north-east, and are at present from 18 inches to 2 feet apart, varying in richness. Some uncommonly fine specimens, weighing from 2 to 3 ozs., with perhaps ten per cent. of quartz, were obtained from the first vein struck. Owing to the great extent of the lode, the find is a valuable one for the district, as it will, it is hoped, lead to a revival; as reefs of this class, when worked with economy and method, have proved payable down to the hard beds of diorite. There are four or five of these lodes or dykes in a zone half a mile wide, west of Matlock, and doubtless these will also, in their turn, receive attention. It is probable that these lodes or dykes will be found soft or partially decomposed to a depth in this locality of 300 feet. The All Nations tributers expect to obtain good dirt in about three weeks. The alluvial has yielded fairly, but quartz mining has generally been very dull. No metal is mined for but gold; and no water has been sold during the quarter.

BIG RIVER SUBDIVISION.

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

I have nothing new to report of this subdivision; the only two mining companies raising stone being as usual the Londonderry and Luck's All. The latter had no crushing for the past quarter; the yields of the former have not been quite up to previous results.

There are two men prospecting on the Surprise lode, but the Big River Reef has been again abandoned. In alluvial, the river workings continue to yield average results, and the summer being unusually dry, there are more diggers working its lead than usual.

Water, where sold, is paid for at the rate of 2s. 6d. to 4s. 6d. per sluicehead.

There is at present no metal save gold being worked for.

MITTA MITTA NORTH SUBDIVISION.

Mr. J. C. Forster, Mining Registrar.

I have but little to report this quarter. Crushing has been quite at a standstill. Several companies are employed erecting machinery, and others are awaiting its arrival, with some 400 tons of quartz at grass.

The Alfred Tin Mining Company are also erecting machinery for the purpose of treating the ore; their mines are being opened out, and at present employ about fifty men. At Koetong and Cudgewa Creeks there are about forty-five men mining for tin, leases being taken up in all directions.

MITTA MITTA SOUTH SUBDIVISION.

Mrs. Mary Thompson, Mining Registrar.

The past has been a very dull quarter on account of the scarcity of water. Alluvial mines have been doing very little.

The quartz mines have been getting some good stone, but I have not the results of any crushings to report.

BETHANGA SUBDIVISION.

Mr. J. C. Forster, Mining Registrar.

There are no crushings to report in this subdivision for the quarter just ended. Both Messrs. Harris and Hollow, and the Hon. John A. Wallace's companies are still erecting machinery for the purpose of treating the ores, and I have every reason to believe there will be something worthy of report next quarter.

JAMIESON SUBDIVISION.

Mr. W. H. Edwards, Mining Registrar.

There has not been any quartz crushed in this subdivision during the past quarter owing to the scarcity of water.

The tributers working the Sailor Bill Company's claim are breaking out quartz from the Western Reef and No. 4 level; the stone is being trucked to the machine, the large hopper being nearly full.

The proprietor of the Alabama Claim has about 40 tons of stone to grass which will be crushed as soon as water is available, a very good return being anticipated.

At the extended Sailor Bill Company's mine, Mack's Creek, the contractors for continuing the main tunnel a further distance of 80 feet, are now proceeding with the work, but as yet no change has taken place in the appearance of the ground.

SANDHURST MINING DISTRICT.

SANDHURST DIVISION.

Mr. N. G. Stephens, Mining Registrar.

During the quarter ending 31st March, quartz gold mining operations in this division have been carried on with great vigor, in fact it may be said that not for many years past, has so much energy been shown in prospecting. This is proved by the very heavy calls made, no less than £66,300 having been called up in the three months, considerably exceeding the dividends, a state of affairs which has not been known here before. However when the money has been spent, there is as a rule a tolerable certainty of success, and the work now being done will materially aid the future prosperity of the district. The portion of the division at present regarded as most important is the Snob's Hill Line where the discovery of the body of stone known as the Ellenborough Reef has reanimated the whole locality. The Belmont Company commenced crushing from this reef a few weeks since; they are obtaining very rich yields and their mine may now perhaps be classed as the leading mine in the district. So far this is the only claim north of the Ellenborough that has reached the reef, but the other companies are vigourously searching for it, with good prospects of ultimate success. To the south, owing to the reef rising in that direction, there are several claims at work on it, but so far it has not proved as rich as to the northward, though there are indications of considerable improvement in this direction. On the Devonshire Line a large amount of prospecting has been done, but without any great result at present. The Johnson's Line has been brought into some prominence during the quarter owing to the fine yields obtained, which have enabled the Princess Dagmar Company to pay regular dividends. The Johnson's and Webster's Company have had a trial crushing from the reef which proved to be very rich. The Confidence Extended Company have also been getting good returns lately. In other parts of the Eaglehawk district, there is a considerable amount of work going on with fair results.

On the New Chum Line the returns have fallen off somewhat, but the Ellesmere, Garibaldi and New Chum Consolidated Companies mines have yielded well. Deep sinking on this line is being fairly tried as there are several claims below 1,000 feet and it is reported that gold-bearing quartz has been discovered at 1,500 feet and 1,700 feet. The North Old Chum Company have a shaft down over 1,300 feet, while the New Chum Victoria Company have met what is believed to be a payable reef at 1,223 feet and the Old Chum have similar experience at 1,106 feet. The operations of these mines are closely watched as the success or otherwise of deep sinking will influence future prospects. Further north on the Victoria Reef the Hercules and Energetic Company have obtained some good returns from a reef nearly 100 feet in width, but latterly the yield has fallen off.

At the south end of the New Chum Line there is a large number of mines at work in deep ground, but the North Shenandoah is the only one which has as yet obtained good results.

On the Garden Gully Line the only company which is in a state of great prosperity is the celebrated Garden Gully United. Several of the other mines are idle or doing very little. On the Hustlers Line there is a fair amount of work being done, but in nearly every instance with singular ill-success. In the Golden Gully and other outside portions of the district there are a number of companies carrying on work but with moderate results.

A noticeable feature in connection with mining operations here, is the considerable addition to mining machinery throughout the district, several large plants having been recently erected or are now in course of erection. Labor-saving machinery, against which, at first a prejudice existed, is now largely used, and rock-borers are employed in nearly every mine of standing. These machines have proved themselves invaluable aids to prospecting.

The Government drill erected underground at Koch's Pioneer Company's mine, Long Gully, will prospect a very valuable tract of ground, and the one at the Albert Tribute Company's ground at Diamond Hill has already discovered two valuable runs of stone which are now being tested in the higher levels.

Quantity of water sold during the last quarter, 112,000,000 gallons.

Additional particulars 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 Quartz was obtained.	Original Water-level.	Width of Reef, &c.
		tons.	oz. dwt.gr.	oz.dwt. gr.		feet	
Belmont and Saxby United G. M.	St. Mungo and Devonshire reefs	727	1,176 10 0	1 12 8·78	658 ft.	..	50 ft. Deepest shaft, 720 ft.
Phœnix	St. Mungo and Devonshire reefs	275	181 19 12	0 13 5·62	300 ft.	170	A body of small spurs. Deepest shaft, 436 ft.
Extended St. Mungo ..	St. Mungo and Devonshire reefs	90	56 7 0	0 12 12·53	407 ft.	120	Spurs, width not known as yet. Deepest shaft, 407 ft.
Ellenborough	St. Mungo and Devonshire reefs	2,495	1,103 19 0	0 8 20·38	640 ft.	170	40 ft. Two rock-drills and double-cylinder air compressor.
Duchess of Edinburgh ..	Devonshire Reef ..	1,741	800 6 19	0 9 4·65	450 to 510 ft. ..	100	Spurs. Deepest shaft, 520 ft.
Sadowa	Devonshire Reef ..	2,579	856 10 0	0 6 15·41			
Confidence Extended ..	Johnson's Reef ..	813	1,117 15 0	1 7 11·92	400 ft.	..	16 ft.
Johnson's Reef G. M. ..	Johnson's Reef ..	2,589	753 1 0	0 5 19·61	100 to 400 ft. ..	..	Chiefly spurs. Three rock-borers.
Princess Dagmar ..	Johnson's Reef ..	1,923	1,858 1 0	0 19 7·78	600 ft.	..	About 20 ft. across the saddle. Five rock-borers in use.
Rose of Denmark ..	Johnson's Reef ..	149	79 3 12	0 10 15·06	Surface to 600 ft. ..	..	From 3 in. to 4 ft.
Princess Alice	Snob's Hill Reef ..	161	97 3 0	0 12 1·63	370 to 776 ft. ..	100	From 1 in. to 18 in. Deepest shaft, 1,066 ft.
North Shenandoah ..	New-chum Reef ..	1,683	1,871 17 0	1 2 5·86	900 ft.	90	From 8 in. to 2 ft. Deepest shaft, 1,000 ft.
New-chum Consolidated	New-chum Reef ..	1,589	2,198 8 0	1 7 15·17	800 ft.	..	20 in. Two rock-borers in use.
New-chum United ..	New-chum Reef ..	1,082	1,033 8 0	0 19 2·43	350 to 875 ft. ..	150	18 in. Two rock-borers in use.
Garibaldi	New-chum Reef ..	1,122	840 13 0	0 14 23·63	580 to 660 ft. ..	150	From 1 ft. to 8 ft. Two rock-borers in use.
Craven's New Chum Trib.	New-chum Reef ..	32	20 6 0	0 12 16·5	600 ft.	..	3 ft. Two rock-borers in use.
Ellesmere No. 1.. ..	New-chum Reef ..	1,640	1,134 2 0	0 13 19·93	600 to 740 ft. ..	..	2 ft. Two rock-borers in use.
Lazarus No. 1	New-chum Reef ..	924	300 0 0	0 6 11·84	1,000 ft.	140	18 ft. Deepest shaft, 1,175 ft.
Cornish United	Garden Gully Reef	274	129 8 12	0 9 10·72	318 to 900 ft. ..	..	From 1 ft. to 8 ft.
Al, Carshalton	Carshalton Reef ..	199	35 12 0	0 3 13·86	100 ft.	..	18 in.
Bird's Reef	Bird's Reef ..	129	95 5 12	0 14 18·51	100 to 200 ft. ..	50	From 2 ft. to 12 ft.
Catherine Reef United..	Catherine Reef ..	840	219 11 18	0 5 5·47			
Frederick the Great Tribute	Sebastian	3,928	1,415 11 12	0 7 4·98	100 to 560 ft. ..	120	From 2 ft. to 40 ft.
Great Britain	Frenchman's Reef	225	134 13 3	0 11 23·26	275 and 475 ft. ..	100	Spurs. Two rock-borers in use.
Hercules	Victoria Reef ..	3,958	2,365 18 0	0 11 22·92	600 ft.	..	From 10 ft. to 25 ft.
Victoria Consols ..	Victoria Reef ..	1,207	118 13 12	0 1 23.19	100 to 920 ft. ..	100	Varies very much. Deepest shaft, 1,012 ft.
Royal Hustlers	Hustler's Reef ..	199	142 10 0	0 14 7·71	360 ft.	90	From 18 in. to 4 ft.
Hustler's Reef	Hustler's Reef ..	504	178 2 0	0 7 1·61	850 to 330 ft. ..	..	8 in. Two rock-drills in use. Deepest shaft, 1,100 ft. Erecting machinery.
Koch Pioneer	Perseverance Reef	223	168 5 15	0 15 2·21	.. .. ..	..	Deepest level, 1,450 ft. Two rock-drills in use.
United Perseverance ..	Perseverance Reef	162	70 19 17	0 8 18·32	300 ft.	..	
United Hustler's and Redan	Hustler's and Redan reefs	1,797	1,183 2 0	0 13 4·02	100 to 420 ft. ..	100	3 in. to 40 ft. Three rock-drills at work.
New Moon	Moon Reef.. ..	807	733 16 5	0 18 4·46	100 to 300 ft. ..	110	Spurs, from 2 in. to 12 in.
North Hansel-Monday..	Carshalton Reef ..	826	321 3 0	0 7 18·62	220 ft.	..	About 3 ft. 6 in.
United Whip and Jersey	Whip Reef.. ..	131	178 5 10	1 7 5·20	Various	60	Series of spurs.
United Concordia ..	Whip Reef.. ..	28	25 14 0	0 18 8·57	Various	150	Spurs.
New-chum and Victoria	New-chum Victoria Reef	2,817	609 12 12	0 4 7·87	Surface to 1,175 ft.	..	From 1 in. to 2 ft. Deepest shaft, 1,230 ft.
Napoleon United ..	Napoleon Reef ..	144	65 12 12	0 9 2·75	320 and 420 ft. ..	100	From 1 ft. to 18 in.
PYRITES.							
Duchess of Edinburgh..	Devohshire Reef ..	13	30 4 0	2 6 11·07			
Sadowa	Devonshire Reef ..	15	31 17 0	2 2 11·2			
Phœnix	Devonshire Reef ..	3	6 0 0	2 0 0			
New Chum Railway ..	New-chum Reef ..	12	8 8 0	0 14 0			
New Moon	New Moon Reef ..	1	5 10 0	5 10 0			
North Shenandoah ..	New-chum Reef ..	10	18 2 0	1 16 4·8			
Napoleon United ..	Napoleon Reef ..	4	9 1 0	2 5 6			
Garibaldi	New-chum Reef ..	8	58 5 0	7 0 15			
Garibaldi	New-chum Reef ..	12	48 12 0	4 1 0	Blanket sand		
Cornish United	Garden Gully Reef	13	12 6 0	0 19 0			

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

KILMORE DIVISION.

Mr. G. Davis, Mining Registrar.

During the past quarter, most of the principal mining companies have been occupied in sinking and cross-cutting for the lodes.

The Doyle's Company have sunk their shaft a depth of 335 feet, and put in a cross-cut to the west, a distance of 125 feet, some nice-looking quartz was struck 7 inches wide, at about 100 feet from the shaft but owing to the absence of water in connection with this quartz, the company have decided to continue the cross-cut until water shall be found, as they contend that, as a large quantity of water is contained in the reef at the higher levels, there is a probability that water will also be found in the deeper levels, when the true lode is come upon.

The Crown Company are also crosscutting for the reef, they have their shaft down 281 feet.

The Langridge Company have not yet completed their surface work ; they are putting down lifts in the shaft, and when completed, will commence work at the lower levels.

The contractors at the Shepherds Claim have almost completed sinking the shaft; when finished, they will then put in a cross-cut to strike the reef.

The Empress of India Company are sinking their shaft, to cut the reef at a lower level.

The North Langridge Gold Mining Company have got their shaft down to a depth of 116 feet ; a quantity of water was met with in sinking. At the lower levels of the shaft, a number of quartz veins were cut.

The United Crushing Battery has commenced work by putting through some quartz from a claim on the Kaiser line of reef; this battery ought to be kept employed, owing to the large quantity of quartz in that locality and the number of claims containing gold already opened out.

The Bismark Company have driven on the reef a distance of 50 feet, and are now putting down a winze to take out some stone for the mill.

Some of the claimholders at the Strath Creek are about to commence operations.

There has been a great scarcity of water this season.

There is no change to report in alluvial mining.

HEATHCOTE DIVISION AND WARANGA SOUTH SUBDIVISION.

Mr. E. C. Bell, Mining Registrar.

Mining matters during the past quarter have been very dull. The only company in reference to which I am enabled to report, is the Costerfield Gold and Antimony Mining Company, Costerfield. A recent trial crushing of twelve loads taken from their 320-foot level, yielded 10 oz. 8 dwt. of retorted gold. The indications at the face of the level, which has been squared and timbered, are of a still more encouraging character. Tenders have been accepted for certain progressive work, in connection with this mine.

Alluvial mining has been almost at a standstill owing to the want of water, and I have nothing fresh to report in connection therewith.

WARANGA NORTH SUBDIVISION.

Mr. Henry Hicks, Mining Registrar.

Throughout the past quarter much inconvenience has been felt, both in alluvial and quartz mining, from the want of water. The crushing machines at Rushworth and Coy's Diggings have been idle, and only a few lots of quartz have been crushed at Whroo.

The propects of many of the reefs are good, but prospecting for new ground is at a standstill. Outside the old workings, it has been impossible to get sufficient water to try a dish of stuff.

Mining for metals other than gold.—I have received no report from the Black Cloud Gold and Antimony Company, Coy's Diggings.

MARYBOROUGH DIVISION.

Mr. P. Virtue, Mining Registrar.

Quartz Mining.

The Cymbeline Proprietary Company have opened a reef in their mine situate north of Bristol Hill. From a trial crushing of 65 tons of stone, they obtained 43 ozs. of gold, or an average of more than 13 dwts. per ton. The main shaft is down 118 feet, and the reef is being further developed at the lower level. The reef has been proved to a depth of 70 feet. A contract has been let to carry the main shaft down to 200 feet. The prospecting shaft, at the southern boundary is down 30 feet, and a similar shaft at the northern boundary is down 50 feet. In this shaft, at a depth of 40 feet, a reef 18 inches thick was passed through, but at present there is no water in the neighborhood to try prospects. The stone looks well. There are about 35 tons at grass which, it is expected, will produce the same average as the former crushing. Thirteen men are employed at the mine.

The Mariners Reef Company, are making substantial progress with all the works at their mine. A crushing of 230 tons, taken from the Soldiers and Marine reefs, gave a return of 189 ozs., or an average of more than 16 dwts. per ton. The average thickness of each of these reefs is 2 feet. Thirty-six men are employed at the mine. During the quarter there were registered, four prospecting, two co-operative prospecting, and five ordinary claims, situate in various parts of the division.

Alluvial Mining.

The excessive drought which has prevailed during the quarter, has proved most injurious to the individual miner, and to the owners of puddling machines. The returns from the Duke are steadily increasing, and the prospects of the mine continue good. The John Bright cannot be worked, through an influx of water. The Golden Gate, at Craigie, are driving for the gutter, they expect to be in full working order in about a month hence, the prospect obtained from the bore is a splendid one. The Carisbrook United are pushing on their works vigorously, the bottom level has been extended 211 feet from the shaft, while the branch drive, at the intermediate level, has been extended 182 feet. The levels in the leading washdirt drives, from No. 2 and No. 3 rises were lost ; this necessitated the putting up of another drive, and opening out at a deeper level, from which the gutter was reached ; the wash looks very well.

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

	oz.	dwt.	gr.
Duke, Timor	2,130	9	0
Goldbrook, Carisbrook	860	0	0
Total	2,990	9	0

Dividends.	£	s.	d.
Goldbrook, Carisbrook	1,200	0	0

NOTE.—No dividends have been declared by any company, save that named above.

MAJORCA SUBDIVISION.

Mr. P. Virtue, Mining Registrar.

The Union Bank Quartz Mining Company are making satisfactory progress with their mine. The eastern chamber is finished, and they expect to get the reef in a fortnight. The water in the mine is subsiding. The Perseverance Company have washed less stuff than usual during the quarter. They have been engaged in putting in a lower level, and expect to get payable wash in a few days. The New Kong Meng Company have been for some time engaged in driving north in the Robin Hood Lead. The wash met with in the north drive has a more favorable appearance, but is not yet payable.

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

	oz.	dwt.	gr.
Kong Meng, Majorca	811	4	0
Perseverance, Narrigal	72	0	0
Total	883	4	0

Dividend.	£	s.	d.
Perseverance, Narrigal	111	16	0

NOTE.—No dividend obtained from any company in this subdivision other than that mentioned.

AMHERST DIVISION.

Mr. C. Smith, Mining Surveyor and Registrar.

There is very little change in alluvial mining since last quarter. The Hoffnung Company unearthed a nugget weighing 34 ozs. 3 dwts. on the 16th January last, but have not obtained anything worth mentioning since, the total yield for the quarter being only 99 ozs. 15 dwts. 21 grs. The Nichols' Freehold Company's mine has been let on tribute, but the tributers have not yet struck payable gold. The South Greenock Company have been erecting another engine, as they found that one engine was not equal to the task of pumping and winding. The mine will be opened out by the end of next quarter, when something good may be expected. The Crown Land Company are making very slow progress with the sinking of their shaft, although the ground is very favorably thought of. The plant of the Union Extended Company is being shifted to Clunes, the said company having failed to discover anything payable. It is not unlikely that the ground may yet be worked profitably by smaller parties, and, with this view, the company's leasehold of 209 acres might be subdivided and let on tribute. Puddling has been somewhat retarded by the scarcity of water.

The returns from quartz mining during the quarter are very low, but we may expect better results shortly, as the workings of several large claims are in an advanced state, and sufficient stone will probably be raised for a crushing in the course of next quarter. Several small parcels of stone obtained from reefs in the vicinity of Talbot have been crushed at T. Bartlemore's mill, and yielded good returns.

The most notable claim in the division at present is that held under lease by the Leeds Company, on All Nations Reef: the yield for the quarter has been 103 oz. 10 dwts. from 315 tons obtained near the surface; only eight men have been employed in raising and crushing.

The amount received by the Talbot Borough Council for water for mining purposes during the quarter was £60 11s. 6d.

AVOCA SUBDIVISION.

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

There is little fresh to report in mining matters in this division during the quarter. Alluvial mining is still in a favorable condition, especially in the Homebush locality; and a large increase may be expected in the yield of gold when a few more of the progressive mines on the Homebush and Avoca leads are opened up.

From the only two mines at present on gold in the vicinity of Homebush the following yields have been obtained during the quarter.

	ozs.	dwts.
The Working Miners United	3,982	12
The Old Working Miners	1,192	12
Total	5,175	4

With regard to quartz mining, matters have not been quite so flourishing during the quarter.

Operations have been suspended for a time at the West of England Hill and at the Union Jack mines, Percydale, as the first crushing at Vale's Reef did not turn out as satisfactorily as was expected.

DUNOLLY AND TARNAGULLA DIVISIONS.

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

I have the honor to report on the mines in these divisions as follows :—

The Queen's Birthday Company, during the last quarter, have crushed 6,702 tons of quartz, for a yield of 2,217 ozs. 14 dwts. of smelted gold, taken from the 400 to 500-foot levels and the winzes now being sunk below those levels. The last crushing of 1,020 tons gave a yield of 329 ozs. of gold. The company are now sinking the main shaft, which is 645 feet deep, they have driven north at the 600-foot level 280 feet along their eastern reef, and are now crosscutting for the western lode, which they expect to strike at between 70 and 80 feet. They are sinking two winzes from the 500 to 600 foot levels, where the prospects are of a very payable character. At the 500-foot level a drive is being carried along the course of the lode, which is now 675 feet north of the shaft, and the reef is 10 feet wide, containing payable gold. A winze is also being sunk at the northern extremity of their ground conjointly with the North Birthday Company from the 400-foot level. Good gold is seen in the stone, which is encouraging for both companies.

The North Birthday Company are engaged sinking their main shaft from the present depth, 564 feet, and intend to sink to 600 feet before opening out. At the 400-foot level No. 1 winze is being sunk ; present depth, 103 feet. At 100 feet down drives have been opened out north and south along the lode.

The Sydenham Company are stoping between the 200-foot and 300-foot levels. They started sinking their shaft a further depth of 100 feet, and are driving the main level along the course of the lode, north. The stone crushed yielded from 15 dwts. to 1 oz. per ton. A portion of the company's ground west is let on tribute ; the stone taken therefrom yields 7 dwts. per ton, and is raised within 80 feet from the surface.

King's Birthday Company are still continuing to drive along the course of the lode at the 540-foot level, and have recently met with a change of country, with good indications, but up to the present time no gold in payable quantities has been met with.

Curran's Company have sunk their shaft to 500 feet, and are making preparations to open a cross-cut for the reef at that level.

Yorkshire Company have just finished sinking their shaft to a depth of 410 feet from the surface, and have put in a cross-cut to the reef at 400 feet, and are commencing a new level at that depth. The lode is 7 feet thick, showing gold freely in the stone. In working at the 330-foot level the reef divided, and the eastern portion was found to rise east of that previously worked down, leaving about 16 feet of blank country between. This body of stone is 3 feet 6 inches thick, and carries good gold with it, so that, in all probability, the company will have a lot of profitable work before them above the 330-foot level, as this body of stone has not yet been touched higher up.

Poverty Reef Company have sunk their shaft to 680 feet from the surface, and at 674 feet opened cross-cuts east and west of the shaft. The former has been driven 59 feet, and left for the present ; the latter, or western cross-cut was driven 45 feet, and quartz lodes were met with towards the end. The appearance of the country generally is improving.

Working Miners' Company, Cay's Diggings, are at present engaged in enlarging their shaft at the 200-foot level, in order to put in a plunger lift, and are about to sink 100 feet deeper. They are raising stone from the 130-foot level sufficient to keep five stamp-heads crushing.

Kangaroo Company, Cay's Diggings, have let a contract to sink their shaft 100 feet from the surface. They are now down 60 feet, and timbering up.

Loddon Valley Company have commenced erecting a new crushing plant of 15 stamp-heads and 18-inch cylinder engine, and expect to be ready to start crushing in about two months.

George Reef Company, Bealiba, have completed the erection of their winding plant and 11-inch cylinder engine. They are now baling out the mine, and will commence breaking out stone immediately, and sinking the shaft deeper.

Welcome Company have been engaged cross-cutting both east and west of their shaft. They opened out in the narrow run of quartz, met with in the eastern cross-cut, 50 feet north of which they are rising on the stone. The gold, so far, is patchy.

In alluvial mining there is nothing to report. The want of water for all purposes has been severely felt during the last few months. For domestic purposes it has to be carted, in some instances, for several miles ; therefore all prospecting is stopped for the present.

INGLEWOOD DIVISION.

Mr. F. E. Horan, Mining Registrar.

Of mining in the Inglewood Division during the quarter but little of importance can be recorded, the prolonged drought having proved a serious obstacle to progress in both quartz and alluvial ventures.

The Jersey Reef Quartz Mining Company struck good gold-bearing stone in their lower level, and it is satisfactory to know that there is every prospect of their energy and perseverance being amply rewarded.

Some steady useful work has been done in other reefs. Those in and around Wehla are again beginning to attract attention, and no doubt, with the advent of suitable machinery, the payable nature of the stone in that locality will be tested to advantage.

In alluvial, Berlin still from time to time reminds us of its golden reputation, a very nice nugget, weighing 109 oz. 6 dwt. pure gold of best quality, having been unearthed there in the early part of February.

A company has been formed to work ground in Catto's paddock, in proximity to the old lead, the promoters being sanguine of success.

Considering the great difficulties encountered during the past three months, the return of gold is highly creditable to the patience and perseverance of the miners throughout this division, and, under improved conditions, better results may be confidently anticipated for next quarter.

WEDDERBURN DIVISION.

Mr. J. Reach, Mining Registrar.

Mining in this subdivision is at a complete standstill, the whole district being entirely dependent upon the water-train (running daily from Malmsbury) for domestic use.

REDBANK SUBDIVISION.

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

The only item of interest which has occurred in this division during the quarter is the floating of a company to work the Pyrenees Reef, Redbank. A contract has been let for the sinking of a new shaft.

ST. ARNAUD SOUTH SUBDIVISION.

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

At Stuart Mill a company has recently been formed, called the "Violet Company," to work the Isis Reef, which is included in the ground leased to W. Swanton. They are about to commence sinking a new shaft to cut the reef below the level worked by the Isis Company, who last held the ground.

There is nothing fresh to report in alluvial mining. The want of water is severely felt all over this division.

ST. ARNAUD NORTH SUBDIVISION.

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

I have the honor to report on the mines in this subdivision as follows :—

The Lord Nelson Company have been raising stone from 100, 200, 270, 400, 500, and 680-feet levels, the reef varying from 6 inches to 3 feet thick.

New Bendigo Company have recently purchased the mining plant of the Harvest Home Company, Dunolly, and tenders have been accepted for its removal and re-erection. The contract time for completion of the work is the end of June next. They are now driving along the course of the lode at the 200-feet and 300-feet levels ; at 300 feet the lode is 6 feet thick, and shows gold freely in the stone in both the north and south stopes.

No. 1 South New Bendigo are sinking their shaft, and are now down 142 feet. They have erected a whim, and intend to sink to 300 feet before opening out for the reef.

No. 2 South crushed 72 tons, for 74 ozs. of gold, taken 75 feet from the surface, where the lode is 2 feet thick. They are now sinking on the underlie of the reef from 100 feet, and intend going 60 feet deeper before stoping. The stone is still carrying very payable gold.

No. 3 South are sinking their shaft to 150 feet, and are now down 130 feet.

Albert Victor Company are sinking their shaft, and have reached 184 feet 6 inches, and intend sinking to 200 feet before opening out.

Albert Victor Extended are sinking their shaft, and are now down 87 feet from surface. The company intend to sink to a depth of 100 feet. Stone has been struck in the shaft showing gold.

Queen Semiramis Company have been engaged timbering their underlie shaft from 300-feet to 400-feet levels ; they are now continuing to sink deeper, and are down 437 feet from the surface. The stone being raised looks well, quite equal to that previously obtained. They are also driving a cross-cut at 300 feet, and are prospecting for another reef, which they expect to strike shortly.

Wilson's Hill Company have completed the erection of winding and pumping plant ; and are now busy with the erection of 20 heads of stamps for crushing purposes, also appliances for saving gold and pyrites. They have started clearing out the main drives and passes preparatory to raising stone for crushing.

New Bell Rock Company have been repairing old and adding new machinery and appliances, and restoring the shaft from the surface down to 385 feet, and have cleaned up the level at that depth, and found the reef an average width of 6 feet, 72 feet north of the shaft. The reef is a cross one, underlying south, and there appears to be a run of payable stone underfoot. They have sunk the shaft a further depth of 55 feet, and still continue sinking ; they have also started a cross-cut for the reef at 436 feet from the surface, which has been driven 25 feet, and they expect to strike the reef 19 feet further ahead.

South Bell Rock Company have been driving on the course of the lode at 200 feet, and, finding the stone going down, have determined to sink the shaft 50 feet deeper.

No. 1 North New Bendigo Company have sunk their shaft 100 feet 6 inches, and are going down to 200 feet.

Nothing to report in alluvial mining ; the whole district is dried up ; want of water is severely felt.

CASTLEMAINE MINING DISTRICT.

CASTLEMAINE DIVISION.

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

There is again a slight decrease in mechanical appliances, but very little difference in the number or occupation of the miners. Some of the more shallow sluicing claims at Forest Creek are becoming worked out, and some claims at Barker's Creek have not yet cleaned up. Prospecting for deep alluvial leads in the Muckleford Valley and Loddon Plains is being prosecuted with energy and promise of success.

The Forest Creek Wattle Gully Quartz Mining Company have, by an expenditure of £3,500, erected efficient machinery for pumping and winding, and have sunk their engine shaft from 450 feet to 560 feet, upon an underlay of 78° 45', through very hard country, which has now changed to blue slate and quartz, carrying quantities of pyrites, blende, and galena, with a little gold. (This is the deepest shaft and find of auriferous quartz in the Castlemaine Division.) The company have also sunk a winze from the 300-foot to 450-foot levels, which thoroughly ventilates the mine, and will enable them to extend their 450-foot level to the central mine, which has yielded such rich returns.

The Central Wattle Gully Company, from their 110-foot level, continue to follow large bodies of easily-got stone now over (60) sixty feet wide, running N.W. from the footwall ; 541 tons yielded 216 oz. of gold. The Wheal Terrill Tribute, from 626 tons of stone from the 300-foot level obtained 419 oz. 11 dwt., in addition to the gold from a large quantity of rich pyrites sent to Sandhurst and other places for treatment.

At the Old Wattle Gully mine, the shafts and levels have been repaired, and men are now breaking stone for crushing.

The General Garfield Company, situate upon the line, and midway between The Argus and Old Quartz Hill reefs, have a regular body of quartz, underlaying to the west, from 3 feet to 10 feet wide. A crushing of 30 tons, from the water-level 50 feet, yielded 1 oz. of gold per ton ; from another crushing of 141 tons, 77 oz. 1 dwt. of gold were obtained. The reef cannot be followed without drainage machinery.

The once famous White Horse or Reservoir Reef, and also the Post Office reefs are likely again to be worked. Companies are being formed, and machinery enquired for.

The Eureka-Phœnix Quartz Company—who have hitherto confined themselves to the operations of tributers—working quartz leaders found east of the Eureka Reef, obtained from 5,054 tons of stone 1,700 oz. 5 dwt. of gold, which gave the company £2,520 14s. 10d. towards the purchase of the mine and working expenses. Finding these surface leaders are running out, the company contemplate enlarging their share-list and capital, to enable them to follow the same rich runs of stone within their lease, as those in the South Eureka, the North Eureka, and the Vineyard reefs, which have dipped north under the water-level.

The Nuggety Company have drained all that line of reef, and are sinking and prospecting on three lease blocks.

The Ajax United Company employ 40 men on wages and tribute. They continue sinking their engine-shaft, from which they are cross-cutting east at the 400-foot level towards the Bolivia Reef, and now have leaders of quartz and pyrites intersecting their cross-cut. The Ajax are the only company who possess a rock-drill with Normanby air-compressor, &c., but, from mismanagement or other cause, it is not made a success.

Mineral.—Slate and Flagging.

Three mineral lease blocks are being worked in Specimen Gully, giving employment to 47 men, in addition to several draymen.

Water Sold during the Quarter.

206,688,000	gallons for sluicing, at		½d.
4,250,000	„ quartz working		3d.
750,000	„ „ „		4d.
Total ... 211,688,000			

FRYER'S CREEK DIVISION.

Mr. Mark Amos, Mining Surveyor and Registrar.

Population.—There has been a slight decrease in the population during the past quarter, engaged both in alluvial and quartz mining ; the former, no doubt, being attributable to the gradual exhaustion of the alluvial gold deposits, and the great deficiency of water supply for sluicing purposes. There is still a large area of ground which would pay moderately for sluicing, if water could be supplied at a very cheap rate, so as to meet the views of those prepared to enter into extensive sluicing arrangements.

Quartz mining in general has not improved to any great extent since Christmas, although a considerable amount of prospecting has been going on. Several companies are pushing on their underground workings, with a view of striking certain auriferous lodes presumed to traverse their claims, and great hopes are entertained of new and important discoveries being made within a very short period.

The Spring Gully and German Gully reefs are likely to attract particular attention ere many months have elapsed, and there can be no doubt that it only requires a little spirited mining enterprise to develop their resources and determine their auriferous character.

Renaissance Company, Specimen Hill, Chewton.—The ground occupied by this company was formerly very rich near the surface, and some thousands of pounds have been spent on machinery at different periods. The present yield is only 1 dwt. to the ton, but the mining manager reports that 1½ dwt. to the ton would pay wages and working expenses. It is somewhat remarkable that pieces of gold, varying in size from ¼ oz. to 1 oz., are occasionally found under the stamp heads.

Rowe Brothers.—The yield from this claim has been rather satisfactory during the past three months, the average being 3¾ dwts. to the ton ; the greater portion of the stone was taken from the 350-feet level. The company have been doing a great deal of dead work of late, driving and sinking, and are now about sinking a new main shaft, tenders having been invited for 100 feet.

New Era Company have had very good returns of late, no signs of exhaustion in the mine, and 80 men constantly are employed. The company have crushed nearly 5,000 tons quartz, yielding about 900 ozs., averaging 3½ dwts. to the ton, taken principally from the 380-feet level. Fifty tons of pyrites have also been operated on, yielding 1 oz. 8 dwts. to the ton; the proportion of pyrites is equal to about 1 per cent. on the total amount of quartz crushed. A short time since a new lode, 4 feet wide, underlying to the east was discovered, at a depth of 430 feet ; the stone looks promising. Altogether the company's prospects are very encouraging.

McDonald and party, German Gully, are still making fair wages, having been engaged working the claim for nearly twenty years past ; the average yield is about ¾ oz. to the ton, and the reef 9 inches wide. The reef which they are working is presumed to be on the same line as the reef at Chapel Hill, where a company has recently been started.

The Enterprise, Golden Eagle, Burdett-Coutts, and Golden Valley companies are all under able management, and making fair progress, the former company being likely to strike a rich lode extending to the Old Cumberland Company's ground, and continuing south towards Nuggety Gully. It is to be hoped the anticipations of the manager will be realized, as a large amount of capital has been expended on this line of reef, and some good returns would be duly appreciated.

The Ferron's Reef Company.—The manager reports they have been principally engaged in dead work during the past quarter, driving and cross-cutting at the 380-feet level, and sinking a winze at the 320-feet level. The yield of gold has been very moderate, but better returns are expected during the next three months.

English Australian G.M. Company have made fair progress and got through a considerable amount of prospecting during the past quarter; but it would seem that a large quantity of comparatively poor stone has to be raised and crushed in order to keep the battery fully employed. The quantity of quartz crushed has been 2,160 tons, averaging 3½ dwts. to the ton; width of reef, 1 to 3 feet, at from 130 to 360 feet from the surface. This company have also operated on a quantity of pyrites, about 25 tons, averaging 1½ oz. to the ton; this indicates something of an important character with reference to the different minerals associated with gold, and the necessity for improved appliances in the more economical disintegration of the minerals. The different mining companies would do well to consider this subject.

HEPBURN DIVISION.

Mr. T. Hale, Mining Registrar.

The great want of water during the past quarter has been the cause of small results both in quartz and alluvial workings.

The Argus Quartz Company's ground and machinery have changed hands, Mr. Macmillan having purchased the plant and claim.

The Cornish Quartz Company are still sinking and pumping at the same time; the total depth of the shaft from the surface is now 483 feet; they are driving both north and south from the shaft, on Freeman's and Collier's reefs, and the lodes are improving in general appearance.

The Criterion Quartz Company are driving north and south on the main level; it will be seen by the tabulated statement that over 1¼ oz. per ton is the result of operations in the mine.

The German Gully Company also has given 1 oz. 7 dwts. average per ton.

The Morning Light Company gave 1 oz. 3 dwts. to the ton.

The Rising Star Quartz Mining Company has yielded over 5 dwts. to the ton; the company have now ceased operations, pending the erection of a new engine, and the thorough overhauling of the mine.

In alluvial workings very little can be reported, and no water has been sold, the races and sources having been, comparatively speaking, dry.

TARADALE AND KYNETON SUBDIVISION.

Mr. S. Dorman, Mining Registrar.

Mining matters during the past quarter have been unusually dull. There has been a falling-off in the yield of gold and the number of miners employed. This is partly due to the Humboldt and Rising Sun companies having stopped mining in order to erect machinery, and the Ironstone Hill Company having ceased working. The Great Wonder Company are sinking. The Aroona and Sampson companies are putting in prospecting drives; the Rose and Shamrock and Ham's party by tunnelling are making fair wages; Brown and party, at Well's paddock, are still driving for Bell's lead; Bellott and party are preparing for taking out wash-dirt; the Humboldt Company will start in a few weeks; the Mammoth Company, Malmsbury Reservoir reserve, are sinking; in shallow ground very little has been done, want of water having been a great drawback to the miners, who had to stack their dirt or cease operations; there is no doubt that the coming quarter will be far more prosperous.

TARRANGOWER DIVISION.

Mr. Robert Nankivell, Mining Surveyor and Registrar.

Quartz Mining.

During the quarter there has been a great falling-off in the yield of gold from quartz. The Alliance Company have just started their new battery of 20 stamp-heads, which is expected to put through 200 tons of stone per week. The prospects in the mine look well; a payable reef has been opened up for a length of 250 feet, and a sufficient number of miners employed to keep the battery in constant work. The Great Western Cymru have also started crushing, the first washing-off from 250 tons of stone gave 252½ ozs. of gold, and from No. 3 drive good stone is being got. The Beehive Company are erecting machinery, and making preparations for pumping. The Eaglehawk Union Company, at the 700-feet level are boring east with the diamond drill, and are now in about 360 feet, but nothing of importance has been struck. The Tarrangower Nuggety Company have struck the reef in their shaft, and the stone shows a fair prospect of gold. The Grand Junction Company have also started their new plant, and have commenced baling and cutting down the engine shaft. The John McIntyre Company, on Mount Tarrangower, have struck gold, and are preparing for a crushing. The Carlyle Company are getting payable stone at 150 feet from the surface. The Resurgam Company (Bell's Reef) are getting fair prospects from their mine; they have opened the reef about 90 feet in length, and gold can be found the whole distance.

Alluvial Mining.

Owing to want of water, the puddling machines have not been at work during the quarter. No other change has taken place.

ST. ANDREW'S DIVISION.

Mr. Alfred Armstrong, Mining Registrar.

Alluvial mining in this division is now confined to a few parties working in gullies, and to Chinese, whose earnings average much the same as usual. A considerable number of miners of a more enterprising type have left for other goldfields, or for employment on public works.

QUARTZ.

The returns from quartz are much under the lowest average, which has to be attributed to the fact that the Reefton Quartz Mining Company have let their mine on tribute, and the tributors have not advanced their workings so far as to enable them to commence crushing operations.

Work at the Pigtail Company's mine, at Warrandyte, has remained suspended during the quarter.

The two new companies working the Oram's Reef line, named the Bacchanté and Phœnix Quartz Mining companies, have finished deepening their shafts, and have cut the reef. The former company have a fine body of rich quartz landed, estimated to be about 10 tons, showing gold; the stone is considered quite equal to any that has been taken from this line of reef.

Phipps's Reef Company, Diamond Creek, have sunk a shaft to a depth of 100 feet, and have let contracts to sink 200 feet deeper.

The antimony mine, known as "Boardman's," at Ringwood, is being worked under tribute, and the tributers have been fully employed during the quarter in pumping water and repairing such damages as are the usual result of a mine remaining unworked for so long a period. These preliminaries will be shortly concluded, and I have no doubt mining will be fully resumed during the ensuing quarter.

No water has been sold during the quarter.

BLUE MOUNTAIN NORTH SUBDIVISION.

Mr. Graham McPherson, Mining Registrar.

There have been no returns as yet from the Triumph Quartz Mining Company, Amelia Reef. Great difficulty has been experienced in getting out the water and cleaning up the mine, but there is every confidence felt that, when the difficulties are overcome, the venture will pay excellent dividends. Upwards of £2,500 have already been spent on the mine by the present company.

The Confidential Company, Alma Reef, are getting out the water rapidly, and will shortly be raising stone.

Those claims have been so long abandoned that much time and money must necessarily be expended in re-opening them.

The other companies who hold leases have as yet shown very slight symptoms of making a movement.

The alluvial miners appear to have obtained their usual amount of gold.

ARARAT MINING DISTRICT.

ARARAT DIVISION.

Mr. Thomas Foyster, Mining Registrar.

Drought has greatly crippled mining operations during most of the past quarter, a number of claims being now at a standstill.

At the Grand Junction Company, Black Lead, another engine has been erected for pumping with 18-inch pipes, but at present the 12-inch lift has proved ample for all requirements. The shaft is down over 100 feet, and is well timbered, the drift being easily mastered. Three claims—north, east, and south respectively—have been marked out.

On Eaglehawk Reef, at Armstrong's, several trial crushings have been put through the stampers, the last giving a return of 15 dwts. per ton.

Progressive works are being carried on, both in sinking and driving, at Moore's Reef, but the trials have not paid expenses.

PLEASANT CREEK DIVISION.

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

Both the total and average yields of gold are less for the last quarter than for many years past.

The bore-hole in the Scotchman's United Company's mine has not yet been found, but a test, called the gelatine test, has been applied by Messrs. Nicol, White, and myself, which proved that the diamond drill had deflected to the westward. A drive is now being put in that direction, and a distance of 39 feet has been explored without, however, any good present result. The Crown Cross United Company sunk 59 feet during the last four weeks. They use two rock-drills, and employ three shifts of men.

2,000,000 gallons of water were sold for mining purposes during the quarter.

BARKLY DIVISION.

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

In consequence of the excessive drought very little gold has been obtained during the quarter. The amount of gold stated as purchased is purely an estimate, but is believed to be very near the actual quantity.

No water was sold for mining purposes during the quarter.

RAGLAN DIVISION.

Mr. C. W. Minchin, Mining Registrar.

I regret to have to state that, on comparing the yield of gold for the quarter just ended with the preceding one, the mining in this district does not seem so prosperous as it recently promised to be. In all the principal mines a considerable falling-off has taken place in the yields. Two mines, with extensive plants and machinery, have lately ceased operations. In one case the machinery and plant have been sold, and the company is about to be wound up. To compensate for these misfortunes, there appears to be great hopes of the New Discovery G. M. Company's mine, on the Old Main Lead, Beaufort, proving a success; but it is as yet only tested to a small extent. Some fresh ground in the same locality is being applied for on lease.

A company is, I believe, about to be formed to effectually test the quartz reef at Surface Hill, near Raglan, which until lately was retained in the possession of the original prospector, who unearthed some exceedingly rich specimens from it a little time ago.

GIPPSLAND MINING DISTRICT.

OMEO SUBDIVISION.

Mr. J. Odell, Mining Registrar.

There is no particular change to report during the quarter.

Water is becoming scarce for sluicing purposes, in consequence of which work on a number of claims has been suspended.

Work is again being resumed at the reefs at Dry Gully. The great drawback is the want of machinery. A company has been formed, holding 40 shares of £20 each; and an engine with battery has been purchased, which is expected to arrive about the latter end of the month; and its arrival is anxiously looked forward to by the claim-holders, who have about 300 tons of stone waiting to be crushed. The majority of the claims are getting payable stone.

At Swift's Creek Mr. Forsyth is getting a new battery and waterwheel. He has about 40 tons of stone ready for crushing, which will probably average about 25 dwts. of gold to the ton.

GIBBO SUBDIVISION.

Mr. Evan Marsden, Mining Registrar.

During the past quarter mining generally throughout the whole subdivision has been greatly retarded by the want of water. There is no improvement in alluvial mining. In quartz mining I have to report that the different parties at work have been raising stone; there is about seventy tons at grass ready to crush when rain comes.

MITCHELL RIVER SUBDIVISION.

Mr. John Grimes Peers, Mining Surveyor and Registrar.

Quartz.

Two reefs, formerly known as the Bairnsdale and Why Not, have been taken up and applied for under the Gold Mining Leases Regulations. These reefs were worked some years ago and abandoned, owing, I am informed, to want of funds to properly work them.

The Victoria Company have put on men to drive a tunnel, expecting to work the mine to better advantage than by sinking the shaft referred to in my last report. Crushing operations are still suspended, owing to a scarcity of water.

No. 1 North Victoria Company have suspended operations for the present. I am not aware of the cause.

The Solway Firth Company have two men engaged in tracing the lode.

The Mountaineer Company have decided on calling for tenders to further drive their tunnel, in lieu of employing men on wages.

The Bairnsdale and Tambo Company, after driving a tunnel for forty-four (44) feet through very hard country, have decided to abandon the work, and are now taking steps towards sinking a shaft.

Alluvial.

In this branch I have not heard of anything worthy of record. The miners generally seem to be earning fair wages.

Buchan Silver and Lead Mines.

I hear that the works at the Nevada Company's mine are being gone on with.

No other minerals to report upon, and no water sold for mining purposes in the subdivision.

BOGGY CREEK SUBDIVISION.

Mr. J. Fletcher, Mining Registrar.

A great improvement has taken place in alluvial mining during the quarter just ended. Owing to the low state of the Mitchell River this season many of the miners have been doing remarkably well. Some claims have averaged £30 per week per man. Some good finds have been made in abandoned ground.

A few quartz claims were marked out during the quarter.

CROOKED RIVER DIVISION.

Mr. Edward Harrison, Mining Registrar.

In quartz mining there has been little done in this subdivision during the quarter: only one small parcel of stone has been crushed, and the yield from it has not been good. Prospecting, however, is still being carried on, and there is some likelihood of more stirring times in the future.

On King's Spur, Dargo High Plains, a considerable quantity of ground has been taken up under Miners' Rights, and more applied for under lease; the ground is basaltic, and it is proposed to prospect for deposits of alluvial gold under that formation. It is very probable that this venture will turn out profitable, as all the miners who have worked the creek, heading from this tract of country, concur in the opinion that such deposits exist under the basalt; and some, who continued operations till they got under the edge of it, got fair gold as far as they were able to proceed.

A new reef is being opened at Thirteen-mile Creek, Harrietville road. It was discovered about six months back, and has recently been purchased by Messrs. Bradley and Caughey, who are sinking on it to test the extent of the gold-bearing stone. Should the investigation bring to light satisfactory prospects, they intend to erect a battery. Such a proceeding should give a considerable impetus to mining about that locality, as prospectors will then be able to put their discoveries to the only reliable test.

The Good Hope Company are now putting up a rise to connect the old workings with the present ones; it is now a distance of about 80 feet up from the level, west of the No. 4 Tunnel, and in its progress the workmen cut a vein of quartz about 8 inches in thickness, and tolerably rich; they however got through it in about 10 feet, and have not met with any more like it.

The Treasure Hill Company are continuing on the Little Dorrit, and offer part of their mine on tribute, with the privilege of having their stone crushed at the company's battery at a cost of 7s. 6d. per ton.

In alluvial there has been a slight improvement, but nothing very important has occurred.

No mining is done in this subdivision for metals or minerals other than gold; and no water is sold for mining purposes.

DARGO SUBDIVISION.

Mr. J. B. Kelly, Mining Registrar.

Quartz Mining.

There has been great depression in this branch of mining during the quarter, owing in a measure to some of the mills having been stopped for want of water. The Exhibition Company have a large quantity of stone at grass, but are unable to crush until rain falls. The Normanby Company are still engaged driving, and have also a parcel of stone at their battery awaiting the rain. The Mount Budgee Tributors are in the same position. Fogarty and Co. (Parnell Reef) are still sinking, their shaft being now over 100 feet deep, the reef looking remarkably well. The trial crushing from this shaft, at 80 feet, gave the satisfactory yield of 10 ozs. 6 dwts. 9 grs. per ton. Good reports are to hand from the Mount Birregun Company, the stone on which they are now sinking, on the Republic Reef, being variously estimated at from 10 dwts. to 2 oz. per ton.

Alluvial Mining.

The exceedingly dry season has been rather favorable to the alluvial miners in this subdivision, the principal workings being in the beds of the Dargo and Wentworth rivers, and the dry season has consequently assisted their operations. Fully the average amount of alluvial gold has been obtained.

No water is sold, and no metal or mineral other than gold is mined for in this subdivision.

JERICHO DIVISION.

Mr. R. J. Donaldson, Mining Registrar.

Considerable impetus has been given to quartz mining in this division during the quarter, in consequence of the discovery by Messrs. Mannix and Folks of an extensive auriferous dyke, near Toorak, apparently very rich. Some fine specimens have been unearthed, from which rough pieces of gold were broken off and exhibited to visitors.

In past years many specimens and some fine surface gold were found in the vicinity of this discovery, which at the present time appears to be one of some importance.

The dyke, as far as has been tried, is about 4 feet wide and intersected by quartz veins carrying gold. A shaft 15 feet deep has been sunk.

A trial crushing will be sent to a machine in the neighborhood in about two weeks.

Some claims have been taken up on this line, under miners' rights; and one lease, of 20 acres, has been pegged off.

The alluvial miners are still making a low average rate of wages, although the water in the smaller creeks has been very scarce.

No other mineral or metal than gold mined for. No water sold.

ABERFELDY SUBDIVISION.

Mr. H. Donaldson, Mining Registrar.

Quartz mining prospects in this subdivision have improved a great deal during the quarter. Several abandoned claims have been pegged out again, with the intention of applying for them on lease. Good payable prospects have been obtained from all of them.

Most of the miners have been engaged for some time in erecting crushing plants and pumping machinery, so that there has been no quartz crushed in this subdivision during the quarter.

Alluvial miners have not done much good, owing to the scarcity of water.

DONNELLY'S CREEK DIVISION.

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

The Bismarck United G. M. Company have just completed another crushing. 230 tons of stone gave the very satisfactory return of 566½ ozs. of gold. The mine continues to look well. The other claim-holders on this line of reef continue prospecting. At Fulton's Creek, the company of that name are erecting machinery, which, when completed, crushing will commence. Shaw's party, about a mile southerly, have intersected a diorite dyke containing auriferous quartz veins, and are now driving on the course of the dyke. The first contract for the main shaft for the Toombon G. M. Company (120 feet) has been completed. The company are now excavating for machinery, and carrying out other necessary dead work.

Gold only is mined for, and no water has been sold.

STRINGER'S CREEK DIVISION.

Mr. W. M. Smith, Mining Registrar.

Quartz.

The gradual decline in the average yield per ton, and the consequent falling-off in the total quantity of gold obtained in the division, referred to in my last report as having been going on for years, would appear to have reached the lowest point during the fourth quarter of last year, when the average per ton was 13 dwts. 7·63 grs. For the quarter just closed it was 17 dwts. 2·76 grs. It is true that this is not a very great improvement, but it promises to be not only permanent but progressive. The Long Tunnel Extended mine, as was anticipated, improves greatly as it is opened up. The shareholders in the North Long Tunnel have commenced extensive and permanent works, which, if carried on with the same spirit and good management as marked the conduct of their neighbors to the south, will, beyond a doubt, meet with its reward in due time. In the Long Tunnel mine a gold-bearing stone has been met with in driving the 823-foot level, which may prove to be a new formation. The yield from the other levels in this mine has improved during the quarter. I have nothing fresh to report about the outside mines. Only a few of them have been worked during the quarter, no doubt on account of want of capital, which is the great drawback to mining in this division.

Alluvial.

No new ground has been opened up, but the miners appear content to work in the rivers and creeks, continuing, on the average, to make fair wages.

RUSSELL'S CREEK DIVISION.

Mr. C. H. Williams, Mining Registrar.

Since my last report, The Tangil Long Tunnel Company have had a crushing of 28 tons of stone, which turned out very well; giving them the handsome return of 313 ozs. 13 dwts. of retorted gold; this, I am happy to say, paid off all cost of cutting their race, erecting machinery, &c., and enabled them to declare a dividend of close on £40 per one-sixteenth share.

Prospecting for quartz is now the order of the day, and I have every reason to believe that this division will again come to the fore.

The Standard Company seem undecided as to the power to be used for crushing; if they take advantage of the water-power running right alongside of their mine they will be able to crush a vast amount of stone, that otherwise will have to be left in the mine.

Messrs. Kelly and Company and Peter McLaren are pushing on with their work, McLaren has a fine reef, about 14 inches wide, apparently carrying gold through the stone.

No water sold in this division.

BENDOC SUBDIVISION.

Mr. John Nicol, Mining Registrar.

In alluvial mining in this subdivision there is little or no alteration to report, most of the miners being on gold, and they appear satisfied with their earnings, their time in many cases being divided between their selections and claims.

The puddlers at the Back Creek have made, on an average, good wages for many weeks, their earnings when divided, amounted to from £4 to £5 per man per week. At the present time they have little or no forage to find for their horses, which in the winter months becomes an item. As the ground is remarkably patchy, no permanent returns for any time can be looked forward to. No. 2 puddling machine is being erected on the Bendoc River.

Quartz mining still in abeyance.

No water sold in this subdivision.

Gold only searched for.

TARWIN SUBDIVISION.

Mr. P. Silk, Mining Registrar.

The Stockyard Creek Quartz Mining Company will soon have their machinery ready, in order to enable them to sink deeper on their claim.

The Dan O'Connell Company have struck a rich quartz leader at the 160-foot level; it is estimated the stone will go from 8 to 10 ozs. to the ton; at present they are working at the 110-foot level, and are waiting for more pipes for pumping. The mullock and quartz leaders crushed paid very good wages.

Sharp and party (the Ophir Claim) have now ready about 50 tons of quartz estimated to yield 1 oz. to the ton.

The Old Hoddle Range Reef, about 12 miles S.W. of Foster, has been taken up again. It is over 4 feet thick; a trial of one ton, at Foster, went 4½ dwts.; there are about 2½ tons of stone now ready to be sent away for a more satisfactory trial.

No water sold.

TRARALGON SUBDIVISION.

Mr. C. Denis, Mining Registrar.

Since my last report, owing to the extreme dry weather, gold mining, except in a very few cases, has come to a standstill for want of water. All the small creeks where mining has been carried on are now dry; there are no new finds to report, except on a tributary off the Eaglehawk Creek where six men are at work.

WATER SOLD.—About 10,000 gallons weekly.

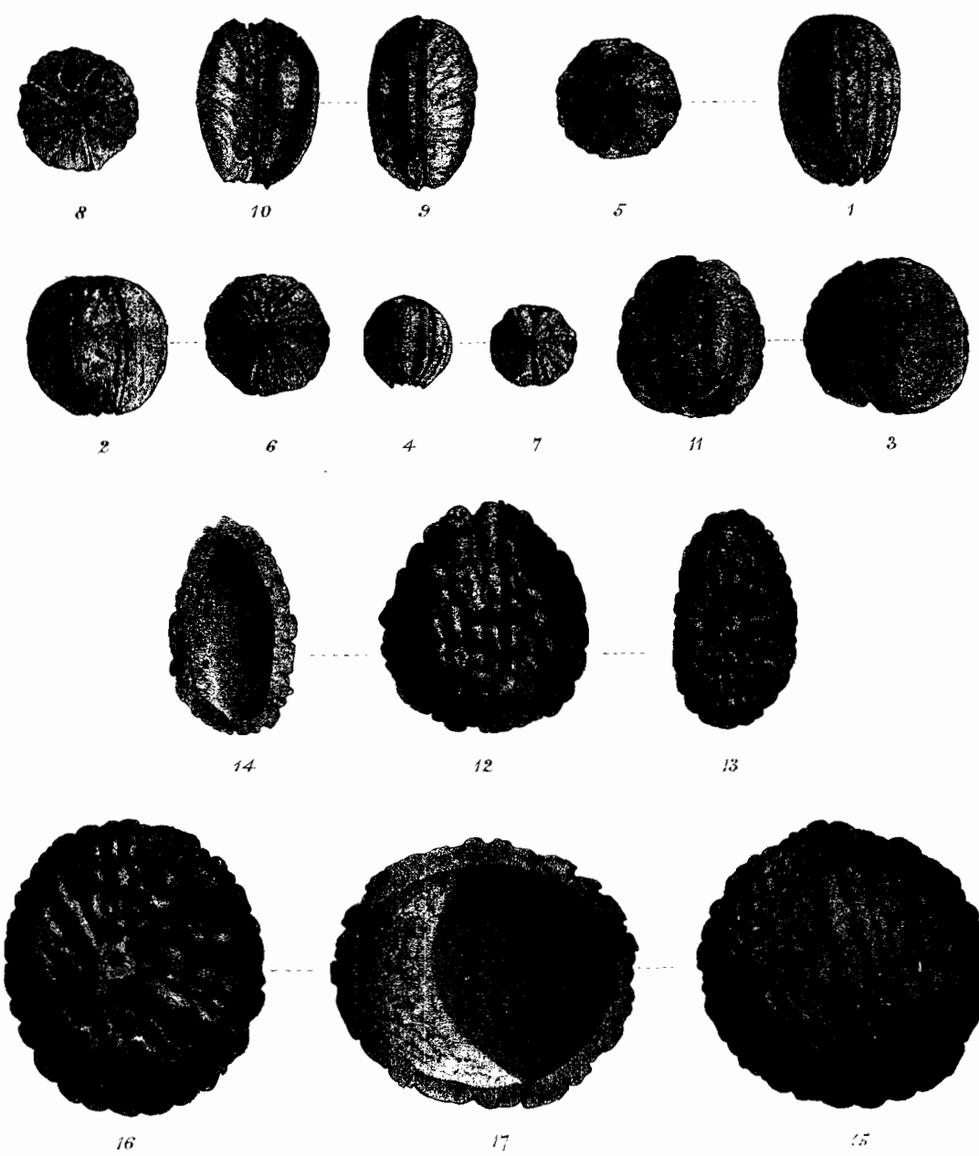
PLIOCLINIS COUCHMANII

Figs. 1–11

OCTHODOCARYON WILKINSONII

Figs. 12–17

F. von MUELLER.



R. Sheppard et A. Stapps Lith. et Imp.

APPENDIX.

NEW VEGETABLE FOSSILS OF VICTORIA.

DESCRIBED BY BARON FERD. VON MUELLER, K.C.M.G., M.D., Ph.D., F.R.S., F.G.S.

Pleioclinis.

Fruit loculicidal, 7–9- rarely 6-valved, ovate-globular or ovate or rarely depressed-globular, of woody hardness, slightly tubercular-rough outside; valves thick, tardily and partially or often very imperfectly seceding from each other, mostly of permanent coherence towards the base. Free central axis none. Seeds solitary in each cell, usually few or even one only developed in each fruit, occasionally all missing; when well developed completely filling the cavity of their cell and pendent from its summit, oblique-ellipsoid, minutely apiculated, towards the hilum somewhat attenuated, fixed to a very short funicle; membranous appendage none. Raphe dorsal, partially seceding. Testa thin and smooth.

The generic name, composed of πλείος more, and κλινὶς couch, alludes to the comparatively numerous valves, on the cavities of which the seeds are embedded.

Pleioclinis Couchmanii.

In the middle pliocene drifts, overflown by lava, at Nintingbool and Haddon, near Ballarat. The plant, of which as yet the fruit only has become known, is dedicated to Major Couchman, who, as Secretary of the Mines Department of Victoria, has most readily promoted the palæontologic researches initiated by his predecessor. The specimens were mainly obtained through the circumspect assiduity of D. W. Spence, Esq., and are by no means of such wide occurrence as the fruits of Spondylostrobus Smythii, Phymatocaryon Mackayi, Penteune Clarkei and Celyphina MacCoyi. Locally the Pleioclinis fruits pass as "nutmegs" among the miners, so called from some fancied resemblance to the well-known spice-seeds of that name. As indicated in Major Shepherd's accurate lithographic drawings, the length of this fruit varies from hardly half an inch to rather more than one inch; the dehiscence is more definite at the summit than towards the base. Exceptionally a five-valved specimen may occur, this fossil then bearing great resemblance to Penteune trachyclinis, but exhibiting the characteristic narrower and less turgid seeds, which moreover occupy a longer space in the cavities, while besides the valves do not separate so readily. Thus, as a genus Pleioclinis is distinguished from Penteune by the plurality of valves already, so far as in our present state of knowledge can be judged; but the great constancy of the number of fruit-valves in genera of Sapindaceæ and allied orders of the now living vegetation of the globe forbids incorporating this new species of fossil fruit in Penteune. Indeed the genus, now established, was indicated when a doubtful species was added to Rhytidotheca, R. pleioclinis (Observ. on new veg. fossils, I. decade, p. 20, pl. VI., fig. 1–4), that plant constituting in reality a second congener of Pleioclinis, which I now would wish to distinguish under the name Pl. Shepherdi, in appreciation of the services rendered by Major Shepherd's artistic talent in illustrating so many fossil relics. The genus Rhytidotheca, as extended researches from additional material have proved, is to be restricted to Rh. Lynchii solely. The generic characteristic now given of Pleioclinis applies to Pl. Couchmanii mainly, from which Pl. Shepherdi differs in smaller size of fruit, in comparatively thinner valves, in their coherence at both extremities (though their lateral dehiscence is more perfect), and in comparatively narrower seeds.

Ochthodocaryon.

Fruit large, globular or verging into an ovate form, outside very uneven from copious verrucular and scantily ridged prominences, inside even; pericarp of considerable thickness and almost of bony hardness. Septa none. Seeds unknown. Generic designation from ὀχθώδης warty, and καρυον nut.

As the name implies, this genus of fossil plants approaches in outer verrucular roughness of the fruit to Phymatocaryon, while the large size, the valveless structure and the absence of dissepiments of the fruit bring the genus nearer to Plesiocapparis, from which again the roughness and greater hardness of the pericarp distinguish it. The outward resemblance of the nut to that of Xylocaryon is also very great, but from the cavity no ridgelike protrusions arise interjacent to the lobes of a large seed.

Ochthodocaryon Wilkinsonii.

In the upper pliocene formation of Gulgong; C. S. Wilkinson, Esq.

Although this conspicuous fossil nut has not yet been found within the territory of the colony of Victoria, it was deemed desirable to include it in the series of illustrations, explanatory of our pliocene flora, especially as this fossil plant of probably arboreous growth was coeval to the many other trees, the fruits of which have been rendered known through these Decades; and as in all likelihood the Ochthodocaryon will also yet be discovered in Victorian auriferous drifts.

It seems, that as yet no more specimens of this fruit have turned up, than the two delineated on plate IV. of the Report of the New South Wales Mines Department for 1878. Hence the ordinal location of this genus, in our present unacquaintance with the characteristics of the seeds, remains still unsettled. The first description of the genus and species appeared at page 171 of the above quoted report.

EXPLANATION OF LITHOGRAMS.

PLATE XIX.

Pleioclinis Couchmanii.—Fig. 1–4, side-view of reversed fruits. Fig. 5, fruit seen from above. Fig. 6 and 7, fruits seen from below. Fig. 8, transverse section of a fruit. Fig. 9–11, longitudinal sections of reversed fruits.

Ochthodocaryon Wilkinsonii.—Fig. 12 and 15, side-view of fruits. Fig. 13 and 16, fruits seen from below. Fig. 14 and 17, longitudinal section of fruits.

In concluding the carpologic definition of fossils for the second decade of these plants, it will be desirable to place on record, what in the course of the last dozen years through accumulation of larger material has been ascertained in reference to additional characteristics of the fruits hitherto illustrated. Spondylostrobus Smythii; fruit-specimens were collected by Mr. Spence, near Ballarat, quite conically attenuated, the valves proceeding from near the base, ceasing however at two-thirds of the height of the fruit; a six-valved variety occurs of less than one inch measurement, while also forms have been met with considerably larger than any at first illustrated. The relation of the genera Tricoilocaryon and Pentacoila to Spondylostrobus needs yet to be traced; when fruits of the latter remain covered by water for some time, after they became dislodged from the dry sediments through mining operations, then the cones are assuming an almost pulpy softness, the organic distinction between valves and axis gets obliterated, and the fruit in that state may readily be taken for a sort of berry with five or a lesser number of seeds; the form of the latter and their position towards the central portion of the column would indicate whether such an apparently baccate fruit was merely a mollified state of a Spondylostrobus-cone. Celyphina MacCoyi fruits present occasionally sizes of nearly two inches measurement, and a pericarp of fully half-inch thickness; the attachment of the ovules is parietal; hence it would seem that no dissepiments are developed evanescent in age, when the Celyphina-fruits are so large and so roundish, as to resemble externally those of Plesiocapparis prisca, a distinctive difference may still be noted in their proportionately thicker pericarp and comparatively smaller cavity. Penteune Clarkei fruits have also been found quite two inches long, and Phymatocaryon Mackayi fruits have likewise been gathered fully one and a half inch long, the latter continuing their characteristic roughness, thus abnormal four-valved forms of either remaining readily distinguishable. Platycoila Sullivani exhibits not always the first noted valvular structure of the fruit, though the described dehiscence seems not to have been accidental. Rhytidotheca Lynchii produces as many as four ovules in one cell; the well-ripened solitary seeds become at each extremity elongated into a winglike membrane. Conchotheca rotundata seems to have its fruit laterally affixed to a stipes, as is the case with many Grevilleas, the place of communication with the pericarp being near the middle of the posterior side; the well-developed seed completely fills the cavity, is flat-compressed, almost truncate at one extremity and slightly apiculate at the other; the testa is membranous, minutely rough from granular elevations, which are mostly arranged in short lines, giving to the outside of the seeds a pretty appearance. From the matrix, in which fossil fruits of various kinds were embedded, Mr. Spence obtained also detached remnants of leaves, which however could not be traced to any of the particular species of plant, which received their names in these pages from carpologic investigations solely.

Spondylostrobus Smythii.

The huge fossil stems with remarkably light and fissil wood, noticed in the auriferous drifts at Haddon, are assumed by the writer to belong to Spondylostrobus, with the fruits of which this wood is there associated. Mr. Ferd. Krause, C.E., the accomplished Geologist and Mineralogist to the School of Mines, at Ballarat, forwarded chips from a stem, which was upwards of three feet in diameter, where laid free by the drive of a mine. Anatomic examination, as now shown, places the tree, yielding this wood, in the series of Cupressinous Conifers, as defined histologically by Dr. H. R. Göppert, Director of the Botanic Garden of Breslau—who in his grandly scientific establishment for a long series of years has traced also the connections between the fossil and living species of Coniferæ from arboreta as well as museum-material. In his "Monographie der Fossilen Coniferen," issued in 1850, and in his "Revision der Arbeiten ueber die Stæmme der Fossilen Coniferen," published last year, he describes the tribe of Cupressinæ xylo-logically as follows: "Margined dots in the tracheidæ, forming simple rows; smaller uniform edgeless dots in the medullary rays; resin-ducts simple,"—in contrast to Araucarieæ with: "Dots of tracheidæ closely approached in simple or double spiral rows; dots of medullary rays very small and usually edged" (the Pinaceæ, Taxaceæ and Gnetaceæ requiring no allusion on this occasion). We have neither in the locality, where the coniferous stem was unearthed, nor as far as known elsewhere in Australia any fossil cupressinous trees coeval with Spondylostrobus; inasmuch as the conifer from the Travertin of Tasmania belongs to the tribe of Araucarieæ, indeed in all probability to the typical genus Araucaria, and as such it was described and illustrated in the 3rd Quarterly Report of the Department of Mines for 1879. What relation a very similar conifer, placed by Dr. Feistmantel doubtfully into genus Brachyphyllum (Palæontographica 1880, p. 97–99, t. vii. fig. 3–6), may bear to Araucaria Johnstoni, further researches must prove, when well-developed fruits and also the stems of both shall have been discovered. The supposed Brachyphyllum came from a clay-band in an isolated coal-seam of Lithgow-valley in New South Wales. It seems very near to Araucaria and not congeneric to the genuine Brachyphyllum mamillare (Brogniart) of the oolithic formation in Britain. To the admission of these two fossil species of Coniferæ into Araucaria can be the less objection, since J. St. Gardner was led by his researches ("Nature," 1880, p. 199–202), to extend the limits formerly assigned palæontographically to that genus, and as Lesquereux has traced true Araucarias to the Triasic, Carruthers to the Jurassic, and lastly Gardner to the eocene epoch.

EXPLANATION OF LITHOGRAM.

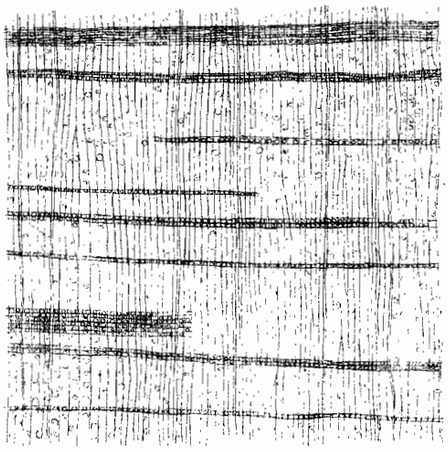
PLATE XX.

Spondylostrobus Smythii.—Fig. 1, radial section of aged stem-wood, exhibiting in horizontal lines the medullary rays, and in vertical lines the woody fibres, diametrically 30 times magnified. Fig. 2, radical section, diametrically 120 times magnified, as in the two following sections. Fig. 3, transverse section of wood, exhibiting in regular quadrangular spaces the walls and cavities of woody fibres, in long dark lines the medullary rays, and in scattered dark spots the resin-ducts, the transverse darker shading, indicative of the limits between two sets of annual growth. Fig. 4, tangential section of wood, with groups of medullary rays transversely cut, and with vertical lines and spaces of woody fibre.

By Authority: John Ferres, Government Printer, Melbourne.

SPONDYLOSTROBUS SMYTHII

F. von. MUELLER.



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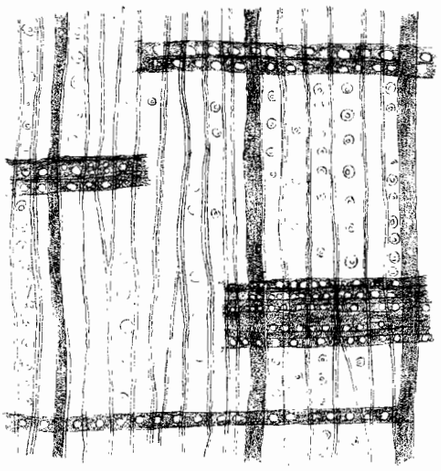

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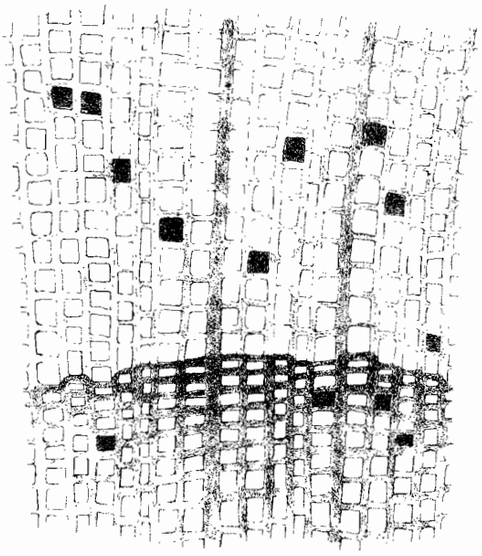

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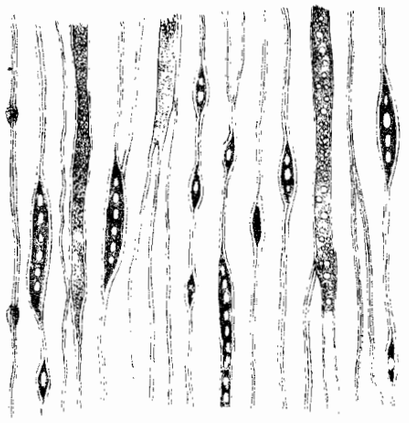

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