1871.

VICTORIA.

REPORTS

OF THE

MINING SURVEYORS AND REGISTRARS.

QUARTER ENDING 30TH SEPTEMBER 1871.

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

By Authority:
JOHN FERRES, GOVERNMENT PRINTER, MELBOURNE.

No. 103.

APPROXIMATE COST OF REPORTS.

	£	s.	d.
Preparation, about	12	10	0
Printing, lithographing, &c. (1150 copies)	104	6	6
Total	£116	16	6

INDEX.

Summary.—Gold Mining Statistics for the Quarter ending 30th September 1871.

Table showing the Yield of Gold from certain parcels of Quartz raised during the Quarter in some of the Deepest Mines in Victoria; with Depth of the deepest Shafts, Levels, Cross-cuts, &c.

Estimated Yield of Gold and Quantity of Gold Exported during the Quarter ending 30th September 1871.

Summary of Yield of Gold from Quartz, Quartz Tailings, &c., crushed during the Quarter ending 30th September 1871.

Number and Distribution of Miners on the Goldfields of the Colony, 30th September 1871.

BALLARAT MINING DISTRICT.

		Page.
Ballarat Central Division	Mr. Harrie Wood, Mining Registrar	7, 15, 17, 18, 23
Ballarat Southern Division	Mr. J. F. Coleman, Mining Registrar	7, 18, 23
Buninyong Division	Mr. Robert M. Harvey, Mining Surveyor and Registrar	7, 18, 23
Smythesdale Division	Mr. John Lynch, Mining Surveyor and Registrar	15, 18, 24
Creswick Division	Mr. James Stevenson, Mining Surveyor and Registrar	7, 15, 17, 18, 24
Gordon Subdivision	Mr. Thomas Cowan, Mining Surveyor and Registrar	7, 15, 18, 24
Steiglitz Subdivision	Mr. O. W. Collins, Mining Registrar	7, 18, 25
Blackwood Division and Blue Mountain South Subdivision	Mr. John F. Hansen, Mining Registrar	8, 18, 25

BEECHWORTH MINING DISTRICT.

Beechworth Division	Mr. Alexander Alderdice, Mining Registrar	8, 15, 18, 26
Yackandandah Division	Mr. Thos. G. Kennan, Mining Surveyor and Registrar	8, 17, 19
Indigo Division	Mr. R. Arrowsmith, Mining Surveyor and Registrar	8, 19, 26
Buckland Division	Mr. Lewis C. Kinchela, Mining Registrar	9, 17, 19, 26
Alexandra Subdivision	Mr. R. A. F. Murray, Mining Surveyor and Registrar	9, 15, 19, 27
Dry Creek Subdivision	Mr. Robert Pemberton, Mining Registrar	19, 27
Gaffney's Creek Subdivision	Mr. A. B. Ainsworth, Mining Surveyor and Registrar	10, 19, 27
Wood's Point Subdivision	Mr. A. B. Ainsworth, Mining Surveyor and Registrar	10, 17, 19, 28
Big River Subdivision	Mr. A. B. Ainsworth, Mining Surveyor and Registrar	10, 19, 28
Mitta-mitta Division	Mr. Andrew Trench, Mining Registrar	19
Jamieson Subdivision	Mr. H. C. Geneste, Mining Registrar	10, 19, 28

SANDHURST MINING DISTRICT.

Sandhurst Division	Mr. N. G. Stephens, Mining Registrar	10, 15, 17, 19, 29
Kilmore Division	Mr. James W. Osborn, Mining Registrar	10, 19, 29
Heathcote Division and Waranga South Subdivision	Mr. J. T. Strong, Mining Surveyor and Registrar	11, 15, 20, 29
Waranga North Subdivision	Mr. Henry B. Pitman, Mining Registrar	11, 15, 20, 29

MARYBOROUGH MINING DISTRICT.

Maryborough Division	Mr. P. Virtue, Jun., Mining Registrar	11, 16, 17, 20, 30
Amherst Division	Mr. Joseph Smith, Mining Surveyor and Registrar	11, 16, 20, 30
Avoca Subdivision	Mr. P. Simpson, Mining Surveyor and Registrar	11, 16, 20, 31
Dunolly and Tarnagulla Divisions	Mr. W. G. Couchman, Mining Surveyor and Registrar	11, 16, 17, 20, 31
Korong Division	Mr. Henry J. Hughes, Mining Registrar	12, 16, 20, 32
Redbank and St. Arnaud South Subdivisions	Mr. P. Simpson, Mining Surveyor and Registrar	12, 16, 20, 33
St. Arnaud North Subdivision	Mr. P. Simpson, Mining Surveyor and Registrar	12, 16, 20, 33

CASTLEMAINE MINING DISTRICT.

Castlemaine Division	Mr. Thos. L. Brown, Mining Surveyor and Registrar	12, 20, 33
Fryer's Creek Division	Mr. Mark Amos, Mining Surveyor and Registrar	12, 16, 20, 34
Hepburn Division	Mr. Thos. Hale, Mining Registrar	12, 16, 21, 34
Taradale and Kyneton Subdivision	Mr. Thomas Orwin, Mining Registrar	13, 21, 34
Tarrangower Division	Mr. Robt. Nankivell, Mining Surveyor and Registrar	13, 16, 21, 35
St. Andrew's East and St. Andrew's Central Subdivisions	Mr. Alfred Armstrong, Mining Surveyor and Registrar	13, 16, 21, 35
St. Andrew's West and South Subdivisions	Mr. C. Johnstone, Mining Surveyor and Registrar	21, 35
Blue Mountain North Subdivision	Mr. Graham McPherson, Mining Registrar	21, 35

ARARAT MINING DISTRICT.

Ararat Division	Mr. Charles Jas. Wm. Russell, Mining Surveyor and Registrar	13, 17, 21, 35
Pleasant Creek Division	Mr. W. Crellin, Mining Surveyor and Registrar	13, 21, 36
Barkly Division	Mr. W. Crellin, Mining Surveyor and Registrar	21, 36
Raglan Division	Mr. Augustus Poeppel, Mining Registrar	21, 36

GIPPSLAND MINING DISTRICT.

Omeo Subdivision	Mr. W. Phipps, Mining Registrar	14, 21, 36
Mitchell River Subdivision	Mr. John Grimes Peers, Mining Surveyor and Registrar	14, 21, 36
Boggy Creek Subdivision	Mr. George Allen, Mining Registrar	14, 21
Crooked River Division	Mr. James Travis, Mining Registrar	14, 22, 37
Jericho Division	Mr. A. B. Ainsworth, Mining Surveyor and Registrar	14, 22, 37
Donnelly's Creek Division	Mr. Arthur F. Walker, Mining Surveyor and Registrar	22, 37
Stringer's Creek Division	Mr. E. S. Gutteridge, Mining Registrar	14, 17, 22, 37
Russell's Creek Division	Mr. C. Gadd, Mining Registrar	14, 22, 38
Bendoc Subdivision	Mr. John Nichol, Mining Registrar	22, 38
Tarwin Subdivision	Mr. E. W. Turner, Mining Surveyor and Registrar	22, 38

Appendix.—Descriptions of new Vegetable Fossils of Victoria, with Lithograms 39

SUMMARY.

GOLD MINING STATISTICS FOR THE QUARTER ENDING 30th SEPTEMBER 1871.

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 ending 30th September 1871.

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 Engines employed in Winding, Pumping, Crushing, &c.										From	To
	Europeans.	Chinese.	Europeans.	Chinese.		Number.	Aggregate Horse-power.	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.	Number.	Aggregate Horse-power.	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.					
																												£			£ s. d.	£ s. d.
BALLARAT.																																
Central Division	4,090	485	586	..	5,161	97	3,610	127	20	45	41	1	..	..	..	..	..	4	32	686	..	375	..	..	16	..	..	226,550	7	24	4 0 6	4 3 6
Southern Division	795	719	70	3	1,587	9	137	8	..	62	4	11	2	1	10	1	..	8	2	10	145	..	60	..	..	6	7	..	27,550	6	14	4 0 0	4 0 9
Buninyong Division	940	250	300	..	1,490	32	846	27	6	23	15	1	5	..	17	..	..	..	..	14	280	..	102	3	..	..	..	..	44,500	14	13	4 0 0	4 0 6
Smythesdale Division	1,570	300	30	..	1,900	71	1,566	57	6	20	14	..	50	..	31	..	5	..	1	5	106	..	35	21	..	..	..	..	32,500	15	11	4 0 0	4 0 3
Creswick Division	850	400	850	..	2,100	12	218	13	1	110	13	2	1,000	..	..	..	..	..	..	33	1,107	1	265	21	..	4	1	2	113,500	12	15	4 0 0	4 0 0
Gordon Subdivision	26	22	196	..	244	..	..	..	..	5	4	..	..	..	..	..	..	..	..	13	320	..	80	..	..	7	..	..	11,435	3½	19	3 18 6	3 19 6
Steiglitz Subdivision	240	210	534	..	984	..	..	..	..	2	..	..	100	..	..	..	..	..	..	13	284	..	66	..	..	..	..	..	20,930	43	67	3 16 6	3 17 0
Blackwood Division and Blue Mountain South Subdivision	270	320	480	..	1,070	..	..	..	..	..	..	..	500	..	16	1	..	..	..	20	360	..	262	..	11	13	..	..	46,500	4	25		
Totals	8,781	2,706	3,046	3	14,536	221	6,427	232	33	267	91	15	1,657	1	74	2	5	18	7	140	3,318	1	1,245	24	11	46	8	2	523,465	104½	188		
BEECHWORTH.																																
Beechworth Division	1,148	960	110	..	2,218	25	270	10	..	..	15	5	5,000	3	59	28	..	..	2	7	99	3	64	..	..	5	..	..	53,980	47	90	3 19 6	4 1 3
Yackandandah Division	300	484	180	..	964	1	5	..	..	1	3	..	..	..	16	15	..	..	..	8	120	7	75	3	2	3	..	..	15,540	12	70	3 15 0	4 0 3
Indigo Division	269	212	95	..	576	15	390	12	..	39	10	38	250	..	15	..	..	..	1	5	52	..	50	..	..	1	6	..	33,298	2½	25	4 0 0	4 0 0
Buckland Division	164	1,264	396	10	1,834	2	22	..	..	..	..	..	1,500	6	..	41	..	..	..	19	269	15	252	..	..	..	..	..	43,015	60	381	3 17 0	3 18 0
Alexandra Subdivision	366	90	300	..	756	5	98	8	..	16	9	7	440	..	..	5	..	..	2	12	150	..	108	..	..	4	5	..	29,185	28	57	3 14 0	4 1 6
Dry Creek Subdivision	81	90	14	..	185	..	..	..	..	..	..	..	340	..	..	2	..	..	..	1	9	..	..	..	..	..	..	..	2,000	3	..	3 16 0	4 1 0
Benalla Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	10	3		
Gaffney's Creek Subdivision	90	25	95	35	245	..	..	..	..	..	..	..	250	..	25	25	..	..	..	8	88	10	173	2	..	4	1	1	29,487	24	18	3 9 0	3 17 6
Wood's Point Subdivision	186	13	252	..	451	..	..	..	..	..	..	1	320	..	24	24	2	..	..	8	115	10	255	2	..	4	1	1	62,979	18	93	2 9 0	3 17 6
Big River Subdivision	130	20	65	..	215	..	..	..	..	..	..	..	320	..	9	9	..	..	..	5	52	2	48	..	..	..	..	..	10,992	33	13	3 8 0	3 17 6
Mitta-mitta Division*	230	240	12	4	486	..	..	..	..	..	..	..	2,000	3	18	18	..	..	..	..	..	..	..	..	..	..	..	..	2,603	3	5	3 5 0	3 12 0
Jamieson Subdivision	100	150	200	..	450	..	..	..	..	..	..	..	400	..	..	..	..	..	..	5	78	1	77	..	..	..	..	..	15,200	8	22	3 16 6	3 18 0
Totals	3,064	3,548	1,719	49	8,380	48	785	30	..	56	37	51	10,820	12	166	167	2	..	5	78	1,032	48	1,142	5	2	17	12	1	268,279	248½	777		
SANDHURST.																																
Sandhurst Division	2,000	678	4,515	10	7,203	33	518	..	..	175	10	58	..	..	13	..	16	326	1	137	2,400	..	1,270	4	..	206	237	1	410,000	22	316	3 18 0	3 18 3
Kilmore Division	80	65	55	..	200	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	48	2	37	..	..	..	..	..	3,150	27	125	3 15 0	3 17 6
Heathcote Division and Waranga South Subdivision	357	40	468	8	873	..	..	..	..	64	4	10	74	..	..	..	..	..	..	18	264	..	138	..	..	10	21	..	21,660	81	165	3 17 0	4 1 0
Waranga North Subdivision	264	106	215	4	589	..	..	..	..	12	..	..	..	..	..	..	..	..	..	9	149	..	80	..	..	10	16	..	17,960	10½	101	3 15 0	4 0 6
Totals	2,701	889	5,253	22	8,865	33	518	..	..	251	14	68	74	..	13	..	16	326	1	169	2,861	2	1,525	4	..	226	274	1	452,770	140½	707		
MARYBOROUGH.																																
Maryborough Division	2,045	400	837	..	3,282	36	917	31	..	152	24	6	3	..	2	2	36	36	4	22	492	..	171	..	..	27	21	..	105,792	5	137	3 19 0	4 1 0
Amherst Division	823	90	85	..	998	19	371	26	..	100	15	12	84	..	130	1	22	..	..	8	110	..	50	..	..	8	8	..	35,420	6	45	3 17 6	4 1 0
Avoca Subdivision	1,023	1,487	22	..	2,532	10	264	8	..	62	8	13	28	..	11	..	1	36	1	2	32	..	10	..	..	2	..	..	14,913	16½	16	3 15 0	4 1 0
Dunolly and Tarnagulla Divisions	475	410	480	15	1,380	2	25	..	..	74	26	10	..	..	..	..	26	..	..	42	696	..	265	..	..	34	24	..	63,000	16	180	3 19 0	4 0 3
Korong Division	1,540	500	200	..	2,240	2	30	..	..	13	..	4	..	..	2	..	..	6	..	15	330	..	120	..	..	25	34	..	20,000	16	50	3 10 0	4 2 0
Redbank and St. Arnaud South Subdivisions	312	149	47	..	508	1	16	2	..	14	2	1	6	..	..	..	..	..	..	4	75	..	28	..	..	2	1	1	7,730	11½	26	3 17 6	4 1 0
St. Arnaud North Subdivision	95	104	146	..	345	..	..	..	..	8	..	..	6	..	8	..	3	..	..	15	322	..	90	..	..	14	15	..	28,546	7	65	3 15 0	4 1 0
Totals	6,313	3,140	1,817	15	11,285	70	1,623	67	..	423	75	46	127	..	153	3	88	78	5	108	2,057	..	734	..	..	112	103	1	275,401	77½	519		
CASTLEMAINE.																																
Castlemaine Division	550	540	600	..	1,690	5	82	4	..	138	..	6	120	..	17	..	100	..	..	33	520	..	236	..	..	30	40	..	57,120	9½	104	3 17 6	3 17 9
Fryer's Creek Division	1,200	1,080	310	..	2,590	7	109	..	..	140	6	15	300	..	75	2	3	52	..	17	303	..	124	2	..	6	11	..	61,308	28¾	32	3 18 0	3 18 3
Hepburn Division	1,021	691	765	..	2,477	6	105	2	..	61	9	57	320	..	55	1	...	52	1	27	434	..	196	1	3	56	94	..	31,971	82	88	3 16 6	3 19 6
Taradale and Kyneton Subdivision	250	270	348	..	868	5	126	..	..	31	31	..	40	..	6	..	..	..	..	13	279	..	156	..	..	..	..	..	27,395	22	19	3 17 6	3 19 0
Tarrangower Division	279	252	483	..	1,014	2	20	..	..	50	..	5	17	..	64	2	35	16	..	39	856	..	318	..	..	66	79	..	87,516	4½	74	3 17 6	3 19 3
St. Andrew's Division	169	120	229	..	518	2	16	..	..	8	9	..	100	..	5	3	..	..	..	13	134	2	72	..	3	..	..	..	9,800	14½	68	4 0 0	4 2 6
Blue Mountain North Subdivision	103	8	38	..	149	1	10	..	..	..	..	..	..	..	..	..	..	..	..	3	33	..	..	..	..	..	..	..	..	1,050	4½	4	3 17 0	3 18 0
Totals	3,572	2,961	2,773	..	9,306	28	468	6	..	428	55	83	897	..	222	8	138	100	1	145	2,559	2	1,102	3	6	158	224	..	276,160	165¼	389		
ARARAT.																																
Ararat Division	492	417	70	..	979	1	25	..	..	5	4	18	12	..	10	..	6	..	..	5	111	1	50	..	..	1	..	..	21,758	34	23	3 17 6	3 18 6
Pleasant Creek Division	150	170	800	..	1,120	4	56	..	..	2	..	..	40	..	..	..	25	36	..	27	797	..	328	1	..	46	10	2	96,914	25	35	3 11 6	3 19 6
Barkly Division	290	60	..	..	350	2	36	..	..	30	2	..	80	..	..	..	24	..	..	..	..	..	..	..	..	..	..	..	4,000	16	9	3 18 0	3 19 6
Raglan Division	295	370	..	..	665	2	24	..	..	39	10	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5,813	6¼	5	3 18 9	3 19 0
Totals	1,227	1,017	870	..	3,114	9	141	..	..	76	16	20	132	..	10	..	31	60	..	32	908	1	378	1	..	47	10	2	128,485	81¼	72		
GIPPSLAND.																																
Omeo Subdivision	140	395	30	..	565	..	..	..	..	..	..	..	800	..	20	20	..	..	..	1	17	..	15	..	..	..	..	..	4,600	9	19	3 10 0	3 17 6
Mitchell River and Boggy Creek Subdivisions*	181	150	40	..	371	..	..	..	..	..	..	..	100	..	..	..	..	..	..	2	22	..	17	..	..	..	..	..	2,000	8	16	3 3 0	3 19 0
Crooked River Division	218	113	60	..	391	..	..	..	..	..	..	..	550	..	35	50	..	..	..	11	149	7	132	..	..	..	..	1	33,700	49½	343	3 12 0	3 18 0
Jericho Division	98	56	52	..	206	..	..	..	..	..	..	..	150	..	13	13	..	..	..	5	65	3	80	..	..	..	..	..	18,672	25	30	3 0 0	3 17 0
Donnelly's Creek Division	106	17	40	..	163	..	..	..	..	..	..	..	40	..	..	..	..	..	..	4	53	..	51	..	..	..	..	..	9,775	6	15	3 8 0	3 16 0
Stringer's Creek Division	51	..	555	..	606	..	..	..	..	..	..	..	..	..	..	..	..	..	..	18	384	1	148	1	..	1	..	..	63,442	7½	12	3 16 3	4 1 0
Russell's Creek Division	160	..	30	..	190	..	..	..	..	4	..	..	195	..	10	9	..	..	..	4	41	2	35	..	..	2	..	..	3,500	3	12	3 10 0	3 15 0
Bendoc Subdivision	22	66	40	..	128	..	..	..	..	..	..	..	50	..	7	..	..	..	..	2	28	3	26	..	..	3	2	..	6,465	23	11	3 10 0	3 16 0
Tarwin Subdivision	392	..	8	..	400	..	..	..	..	3	3	3	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	375	2	1	3 15 6	3 15 6
Totals	1,368	797	855	..	3,020	..	..	..	..	7	3	3	1,896	..	85	92	..	..	..	47	764	16	504	1	..	6	2	1	142,529	133	459		
GRAND TOTALS	27,026	15,058	16,333	89	58,506	409	9,962	335	33	1,508	291	286	15,603	13	723	272	280	582	19	719	13,499	70	6,630	38	19	612	633	8	2,097,089	950½	3,111		

* The Mitta-mitta and Boggy Creek reports not having been received, the last returns have been adopted.

R. BROUGH SMYTH,
Secretary for Mines.

Office of Mines, Melbourne, 12th October 1871.

No. 103.

TABLE

SHOWING THE YIELD OF GOLD FROM CERTAIN PARCELS OF QUARTZ RAISED DURING THE QUARTER IN SOME OF THE DEEPEST MINES IN VICTORIA, WITH DEPTH OF THE DEEPEST SHAFTS, LEVELS, CROSS-CUTS, ETC.

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

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.	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.
			Feet.	Tons.	ozs. dwts. grs.	Ft. in.					Ft. in.	Ft. in.	Ft. in.	
BALLARAT.														
Central Division	Temperance	Band of Hope	550 to 650	1,860	0 5 6·63	2 3	W. 40°	..	Temperance	Band of Hope	670 0	560 0	180 0	
Southern Division	Speedwell	Staffordshire	110	50	1 10 0	4 0	..	..	Hopewell	Staffordshire	395 0	200 0	200 0	
Bnninyong Division	..	..	..	..	..	..	..	..	..	..	..	..	..	
Smythesdale Division	..	..	..	..	..	..	..	..	New Britannia	Britannia	328 0	..	..	
Creswick Division	New North Clunes	Clunes	240 to 590	13,424	0 12 6·88	2 to 30 0	W. 15°	N. 5° E.	New North Clunes	Clunes	841 6	790 0	790 0	
	Port Phillip	Clunes (Reefs) *	— to 690	17,296	0 4 23·61	3 to 10 0	W. / E. 15° to 30°	..	Clunes Consols	Clunes	750 0	651 0	430 0	* The quartz from different levels is mixed and crushed.
Gordon Subdivision	Egerton	Learmonth's	400 to 500	3,610	0 7 9·34	67 0*	— 20°	..	Egerton	Learmonth's	600 0	600 0	..	*67 feet proved, but actual width not known.
Steiglitz Snbdivision	Albion	Portuguese	— to 806	1,258	0 7 11·84	3 0	W. 2°	N. and S.	Albion	Portuguees	866 0	855 0	..	No cross-cuts; the reef is in the shaft. In the bottom level there is coarse gold in the stone.
Blackwood Division and Blue Mountain South Subdivision	Cornish	Simmons'	150	200	0 10 0	2 0	W. 25°	..	Cornish	Simmons'	200 0	200 0	200 0	
BEECHWORTH.														
Beechworth Division	Rechabite	Rechabite	100	42	1 7 3·42	1 0	W. 15°	N. and S.	Homeward-bound	Homeward-bound	400 0	400 0	..	
Yackandandah Division	Homeward-bound	Homeward-bound	160	838	0 7 0	..	..	..	..	..	..	..	..	
Indigo Division	Magenta	Magenta	230	130	0 10 18·33	2 6	W. 3°	N. 25° W.	United Consols	West's	320 0	290 0	290 0	
Buckland Division	John Davis	Victoria	220	30	11 16 0	0 10	E. 87°	N.E.	Alta and Nelson	Nelson	200 0	..	..	
Alexandra Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	
Maindample Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	
Benalla Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	
Gaffney's Creek Subdivision	Rose of Denmark	Eureka	220	245	0 10 4·02	2 0	N.E. 85°	N. 50° W.	Victoria	Homeward-bound	310 0	310 0	310 0	
Wood's Point Subdivision	Hope	Morning Star	310	141	0 4 14·81	2 6	N. 30°	N. 52° W.	Hope	Morning Star	435 0	435 0	..	
Big River Subdivision	Luck's-All	Warner's	250	200	1 6 1·20	3 6	S. 45°	N. 45° W.	Peppin and Co.	Seek-and-Find	280 0	280 0	280 0	
Mitta-mitta Division	..	..	..	..	..	..	..	..	..	..	..	..	..	
Jamieson Subdivision	Gleeson's	Hungarian	350	67	1 2 0	10 0	W. 78°	N. 3° 11′ E.	Gleeson's	Hungarian	300 0	340 0	340 0	
SANDHURST.														
Sandhurst Division	Collmann and Tacchi	Wetheral	646 to 720	1,525	0 16 8·51	2 6	N. 30°	N. 20° E.	Collmann and Tacchi	Wetheral	748 0	720 0	..	Shaft still sinking. Contract let to sink to 813 feet in depth.
Kilmore Division	..	..	..	..	..	..	..	..	..	..	..	..	..	
Heathcote Division and Waranga South Subdivision	Costerfield	Costerfield	230 to 420	365	0 5 0	..	E. 80°	N. 15° W.	Costerfield	Costerfield	430 0	420 0	420 0	
Waranga North Subdivision	Perseverance	South Nuggety	510	651	1 15 18	0 6	..	E. and W.	Perseverance	South Nuggety	570 0	510 0	450 0	
MARYBOROUGH.														
Maryborough Division	Goldstone	Merehant's	190	115	1 12 6	0 10	N. 30°	E. and W.	Williams and Co.	Blucher's	400 0	400 0	..	
Amherst Division	Nuggety	Blucher's	150	300	0 6 0	8 0	W. 70°	N. 5° 24′ W.	Forbach	White Horse	270 0	270 0	..	
Avoca Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	
Dunolly and Tarnagulla Divisions	Golden Hope	Sandstone	420	5	0 7 0	7 2	N. 18°	E. and W.	United Poverty	Poverty	540 0	530 0	535 0	
Korong Division	Maxwell's	Maxwell's	120	100	0 5 0	20 0	..	..	Maxwell's	Maxwell's	330 0	328 0	328 0	
Redbank and St. Arnaud South Subdivisions	New Isis	Oxonian	300	760	0 7 22·67	3 0	W. 48°	N. 50° 30′ W.	New Isis	Oxonian	300 0	300 0	180 0	
St. Arnaud North Subdivision	Chrysolite	Western	400	400	0 8 4·27	3 0	W. 87°	N. 20° W.	Rising Star	Rising Star	406 0	400 0	400 0	
CASTLEMAINE.														
Castlemaine Division	..	..	..	..	..	..	..	..	..	..	..	..	..	
Fryer's Creek Division	Small and Co.	Cattle's	210	315	0 9 12	15 0	E. 84°	N. 14° W.	Fryer's	Cattle's	322 6	300 6	300 6	
Hepburn Division	Cornish	Cornish	380	4,702	0 11 0·55	25 0	S.W. 47°	N. 20° W.	Crown Quartz	St. George	204 0	196 0	196 0	
Taradale and Kyneton Subdivision	Central Energetic	Lauriston	195	1,965	0 10 5·44	..	..	..	Green Hill	Stead's	270 0	270 0	270 0	
Tarrangower Division	Eaglehawk Union	Eaglehawk	450	652	0 16 3·09	7 6	W. 75°	N. 12° W.	Great Western	Beehive	552 0	470 0	470 0	
St. Andrew's Division	Nickenson and Co.	Oram's	230	4	7 14 10·50	0 4	W. 2°	N. 11° E.	Nickenson and Co.	Oram's	230 0	230 0	..	
Blue Mountain North Subdivision	..	..	..	..	..	..	..	..	..	Alma	250 0	..	..	
ARARAT.														
Ararat Division	..	..	..	..	..	..	..	..	Kangaroo	Campbell's	570 0	570 0	..	
Pleasant Creek Division	North Cross	Cross	500	7,528	1 18 0	6 0	S.W. 30°	N. 31° W.	Extended Cross	Cross	830 0	..	800 0	
Barkly Division	..	..	..	..	..	..	..	..	..	..	..	..	..	
Raglan Division	..	..	..	..	..	..	..	..	..	..	..	..	..	
GIPPSLAND.														
Omeo Subdivision	..	..	..	..	..	..	..	..	Black Prince	Eureka	160 0	130 0	..	
Mitchell River and Boggy Creek Subdivisions	Tubal Cain / Sons of Freedom	Tubal Cain / Sons of Freedom	70	20	2 0 0	0 9	W. 68°	N. and S.	Tubal Cain	Tubal Cain	160 0	140 0	..	
Crooked River Division	Willmott and Co.	Time-will-tell	80	50	0 10 14·88	4 0	W.	N.	Galway	Galway	150 0	78 0	150 0	The Good Hope Company are raising quartz from 620 feet in depth, which is expected to yield 2 oz. of gold to the ton.
			220	19	1 2 12	0 10	N. 45°	N.E.	Good Hope	Good Hope	630 0	500 0	620 0	
Jericho Division	Harbinger	Harbinger	160	500	0 11 22·08	4 0	S.W. 80°	N. 42° W.	Eldorado	Eldorado	280 0	280 0	280 0	
Donnelly's Creek Division	..	..	..	..	..	..	..	..	Prince Alfred	Edwards'	260 0	..	..	
Stringer's Creek Division	Longfellow's	Longfellow's	230	366	0 9 10·04	3 0	E. 45°	..	Long Tunnel	Cohen's	315 0	243 0	243 0	The depth of the shaft is given from the adit level.
Russell's Creek Division	Pheasant Creek	Pheasant Creek	120	80	1 7 12	0 7	N. 20°	E. and W.	Reunion	Empire	80 0	80 0	..	
Bendoc Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	
Tarwin Subdivision	..	..	..	..	..	..	..	..	..	..	..	..	..	

Office of Mines, Melbourne, 12th October 1871.

R. BROUGH SMYTH,
Secretary for Mines.

ESTIMATED YIELD OF GOLD AND QUANTITY OF GOLD EXPORTED.

FROM information obtained from Gold Buyers and others by the Mining Surveyors and Mining Registrars, 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 ending 30th September 1871 ...	165,909	6	181,768	18	347,678	4

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 ending 30th September 1871	306,660	4

SUMMARY.

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

MINING DISTRICTS.	Quantity Crushed.			Average Yield of Gold per Ton.			Total Yield of Gold from Quartz, &c., Crushed.		
Quartz.	tons	cwt.	qr.	oz.	dwt.	gr.	oz.	dwt.	gr.
Ballarat	80,111	10	0	0	5	15·69	22,647	9	20
Beechworth	29,739	10	0	0	9	14·54	14,283	16	4
Sandhurst	40,945	10	0	0	15	2·97	30,962	9	23
Maryborough	12,486	1	0	0	8	4·46	5,110	10	14
Castlemaine	32,148	0	0	0	9	5·06	14,805	9	3
Ararat	26,967	17	0	0	17	9·45	23,453	17	11
Gippsland	9,738	10	0	1	11	15·32	15,405	13	0
Total Quartz	232,136	18	0	0	10	21·91	126,669	6	3
Quartz Tailings, Cement, and Mullock.									
Ballarat	2,610	0	0	0	1	21·58	247	17	18
Beechworth	153	0	0	0	4	16·25	35	15	15
Sandhurst	16,698	0	0	0	2	10·02	2,018	13	12
Maryborough	4,229	0	0	0	2	14·91	554	5	7
Castlemaine	7,125	0	0	0	1	16·23	597	4	17
Ararat	2,820	0	0	0	1	0	141	0	0
Gippsland	260	0	0	0	3	7·75	43	4	0
Total Quartz Tailings, Cement, &c. ...	33,895	0	0	0	2	3·51	3,638	0	21
Pyrites and Blanketings operated on.									
Ballarat	335	0	0	3	7	11·24	1,130	2	0
Beechworth	110	8	0	3	18	20·17	435	4	0
Sandhurst	350	0	0	2	12	2·46	911	16	0
Maryborough	25	0	0	4	4	15·28	105	15	22
Castlemaine	...				...		...		
Ararat	...				...		...		
Gippsland	39	0	0	2	1	14·76	81	3	0
Total Pyrites and Blanketings ...	859	8	0	3	1	23·94	2,664	0	22

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, 12th October 1871.

R. BROUGH SMYTH,
Secretary for Mines.

MINING SURVEYORS AND REGISTRARS' RETURNS.

QUARTZ.

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

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
BALLARAT MINING DISTRICT.					
CENTRAL DIVISION.					
Red Streak	Poverty Point ...	1,370 0 0	0 2 9·81	165 0 0	
Llanberris	Gum-tree Flat ...	2,474 0 0	0 2 14·73	323 7 0	
Old Post-office Hill ...	Old Post-office Hill ...	1,800 0 0	0 0 16	60 0 0	
New Sovereign	Canadian Hill	350 0 0	0 2 0	35 0 0	250 feet
Mount Clear	White-horse Ranges ...	900 0 0	0 3 10·66	155 0 0	60 feet
St. Andrew	White-horse Ranges ...	600 0 0	0 1 12	45 0 0	50 feet
Two-ton	Black Hill	750 0 0	0 3 12·16	131 10 0	65 feet
Jarvie and party ...	Black Hill Ranges ...	70 0 0	0 7 0	24 10 0	
Tunnel	Little Bendigo ...	520 0 0	0 3 12	91 0 0	
Evening Star	Little Bendigo ...	220 0 0	0 11 4·95	123 5 9	
Temperance	Little Bendigo ...	1,860 0 0	0 5 6·63	490 14 0	450, 550, 650, & 670 ft.
Black Hill	Black Hill	3,000 0 0	0 2 21·36	433 10 12	
Endeavour	Specimen Gully ...	1,278 0 0	0 2 11·34	158 0 0	60 feet, and from 150 to 200 feet
Britannia	Specimen Gully ...	675 0 0	0 5 22·09	199 16 9	130 feet
Queen Victoria	Canadian Hill	3,476 0 0	0 2 12·62	439 0 0	160 to 200 feet
Crocodile	Black Hill	124 0 0	1 2 11·03	139 5 0	
Band of Hope (on hire) ...	Little Bendigo ...	490 0 0	0 5 12	134 15 0	
Bennetts and party ...	Poverty Point ...	156 10 0	0 4 12	35 4 6	
Llanberris (crushed on hire)	Various places ...	1,242 0 0	0 5 0	310 10 0	
SOUTHERN DIVISION.	Total	21,355 10 0	0 3 6·54	3,494 7 12	
Speedwell	Staffordshire Reef ...	1,154 0 0	0 2 9·22	137 11 9	110-ft. level, 7-ft. lode
Hopewell	Staffordshire Reef ...	161 0 0	0 4 15·76	37 9 18	80-ft. level, 2½-ft. lode
Black Swan	Staffordshire Reef ...	570 0 0	0 2 0	57 0 0	80-ft. level, 3-ft. lode.
BUNINYONG DIVISION.	Total	1,885 0 0	0 2 11·09	232 1 3	
One-and-all	Hiscock's Reef ...	1,800 0 0	0 1 7·54	118 6 0	140 feet
Imperial	Hiscock's Reef ...	2,232 0 0	0 2 22·79	329 3 12	130 to 320 feet
Tower of London ...	Tower Hill Reef ...	1,150 0 0	0 2 21·76	167 3 0	120 feet
Homeward-bound ...	Homeward-bound Reef, Scotchman's	1,600 0 0	0 5 17·28	457 12 6	150 feet
CRESWICK DIVISION.	Total	6,782 0 0	0 3 3·88	1,072 4 18	
Port Phillip	Clunes Reefs	17,296 0 0	0 4 23·61	4,310 0 0	Surface to 690 feet
New North Clunes ...	Clunes Reefs	13,424 0 0	0 12 6·88	8,246 18 0	240 to 590 feet
South Clunes	Clunes Reefs	1,613 0 0	0 2 11	198 5 7	172 to 316 feet
Lothair	Clunes Reefs	925 0 0	0 10 11·55	484 15 12	282 feet
Marks and party ...	George's Reef ...	94 0 0	0 4 22·46	23 4 0	Surface
Dungey and party ...	Frenchman's Reef ...	26 0 0	0 9 18·46	12 14 0	Surface
Little and party ...	Armagh Reef	17 0 0	0 3 5·64	2 15 0	20 feet
Waterman and party ...	Sulky Gully Reef ...	42 0 0	0 13 23·64	29 7 9	20 to 60 feet
GORDON SUBDIVISION.	Total	33,437 0 0	0 7 23·04	13,307 19 4	
Egerton	Mount Egerton ...	3,610 0 0	0 7 9·34	1,333 16 0	400 to 500 feet
Black-horse	Mount Egerton	732 0 0	0 10 15·08	389 0 0	390 to 460 feet
Courier	Morrow's pre-emptive right	300 0 0	0 3 10	51 5 0	15 to 40 feet
Shamrock and Thistle ...	Mount Doran	60 0 0	0 12 0	36 0 0	100 feet
Summer Hill	Summer Hill	750 0 0	0 7 5·44	271 0 0	65 feet
Jenny Lind	Moorabool West ...	100 0 0	0 10 0	50 0 0	40 feet
Victoria	Gordon	130 0 0	0 2 18	17 18 0	400 feet
STEIGLITZ SUBDIVISION.	Total	5,682 0 0	0 7 13·53	2,148 19 0	
Tam-o'-Shanter	Tam-o'-Shanter Reef ...	50 0 0	3 2 0	155 0 0	150 feet.; water-level 160 feet
A 1	A 1 Reef	70 0 0	5 9 3·42	382 0 0	120 feet
Britannia	Junction Reef ...	40 0 0	1 15 12	71 0 0	
Hit-or-Miss	Yankee Reef	11 0 0	2 10 21·81	28 0 0	50 feet
East Albion	East Albion	12 10 0	1 4 19·20	15 10 0	70 feet
Mickey Free	Mickey Free Reef ...	51 0 0	0 7 7·52	18 13 0	
Brazilian	... ...	10 0 0	0 14 0	7 0 0	
Hanover	Hanover Reef	51 0 0	0 5 6·58	13 9 0	
Albion	Portuguese Reef ...	1,258 0 0	0 7 11·84	471 7 0	
	Total	1,553 10 0	0 14 23·01	1,161 19 0	

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

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
BLACKWOOD DIVISION AND BLUE MOUNTAIN SOUTH SUBDIVISION.		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
Lerderderg	Simmons' Reef ...	300 0 0	0 1 12	22 10 0	80 feet
Cornish	Simmons' Reef ...	200 0 0	0 10 0	100 0 0	150 feet
Crown	Simmons' Reef ...	3,380 0 0	0 1 0·8	169 12 0	40 feet
Big Hill	Simmons' Reef ...	1,300 0 0	0 1 22·89	127 0 0	60 feet
Imperial	Simmons' Reef ...	52 0 0	0 3 15·69	9 10 0	100 feet
Cosmo	Snake Gully	150 0 0	0 0 11·36	3 11 0	85 to 130 feet
Morning Star	Bald Hill	600 10 0	0 4 8·71	131 0 0	40 to 100 feet
Red, White, and Blue ...	Wright's Reef ...	199 0 0	0 7 1·81	70 8 0	Surface to 40 feet
Homeward-bound ...	Homeward-bound Reef	1,050 0 0	0 0 14·93	32 13 5	Surface
Sultan Tributers ...	Barry's Reef	235 0 0	0 4 23·29	58 8 0	70 feet
True Blue Tributers ...	Barry's Reef	240 0 0	0 3 13·30	42 13 0	180 to 250 feet
Sultan	Barry's Reef	644 0 0	0 6 18·67	218 5 0	300 to 400 feet
Constellation	Wright's Reef ...	160 0 0	0 5 10·35	43 9 0	Surface to 30 feet
Sultan, Tributers No. 1 ...	Barry's Reef	18 0 0	0 6 22·67	6 5 0	20 feet to surface
Sultan, Tributers No. 2 ...	Barry's Reef	40 0 0	0 3 6	6 10 0	20 feet
Sultan, Tributers No. 3 ...	Barry's Reef	144 0 0	0 9 8	67 4 0	30 and 170 feet
Trewhella's Tributers, No. 1	Barry's Reef	137 0 0	0 2 11·34	16 18 18	160 feet
Trewhella's Tributers, No. 2	Barry's Reef	155 0 0	0 6 19·82	52 18 0	Surface
Faugh-a-Ballagh ...	Barry's Reef	412 0 0	0 2 11·67	51 4 8	130 feet
	Total... ...	9,416 10 0	0 2 14·70	1,229 19 7	

BEECHWORTH MINING DISTRICT.

BEECHWORTH DIVISION.					
Rechabite	Hurdle Flat	42 0 0	1 7 3·42	57 0 0	100 feet
Caed Mille Failtha ...	Hurdle Flat	128 0 0	0 8 18	56 0 0	100 feet
Hope Reef	Hurdle Flat	11 0 0	1 7 0	14 17 0	Surface
All Nations	Hurdle Flat	10 0 0	0 2 0	1 0 0	Surface
Excelsior	Wooragee	16 0 0	0 11 21	9 10 0	
	Total	207 0 0	0 13 8·81	138 7 0	
YACKANDANDAH DIVISION.					
Homeward-bound ...	Homeward-bound, Sutton	838 0 0	0 7 0	293 6 0	160 feet
Bigelow and Co.	Eureka, Hillsborough ...	520 0 0	0 4 19·38	125 0 0	60 feet
Bon Accord	Eureka, Hillsborough ...	280 0 0	0 10 0	140 0 0	30 and 80 feet
Bigelow and Co.	Pride, Back Creek ...	267 0 0	1 5 0	333 15 0	
Bigelow and Co.	Stringer's, Back Creek...	410 0 0	0 7 0	143 10 0	
R. S. Eccleston	Sutton Reef, Sutton ...	120 0 0	0 7 16	46 0 0	60 feet
Homeward-bound ...	Twist's Creek ...	54 0 0	0 16 15·11	44 18 0	
Friday	Twist's Creek ...	16 0 0	0 16 18	13 8 0	
Big Tunnel	Twist's Creek ...	20 0 0	0 6 12	6 10 0	
Excelsior	Twist's Creek ...	26 0 0	0 13 20·30	18 0 0	
Scandinavian	Twist's Creek ...	128 0 0	0 5 13·12	35 10 0	30 feet
Polar Star	Twist's Creek ...	16 0 0	0 11 16·5	9 7 0	
Caledonian	Twist's Creek ...	13 0 0	0 9 14·77	6 5 0	Surface
Souter Johnny	Twist's Creek ...	24 10 0	0 10 0	12 5 0	
	Total... ...	2,732 10 0	0 8 23·66	1,227 14 0	
INDIGO DIVISION.					
United Consols	West's Reef	703 0 0	0 3 18·57	132 13 0	230 to 320 feet
Magenta	Magenta Reef... ...	130 0 0	0 10 18·83	70 2 0	230 feet
Moore and Co.	Hibernian Reef ...	27 0 0	0 3 14·22	4 17 0	Surface to 20 feet
Buchan and Co.	Banner's Reef... ...	48 10 0	1 9 11·13	71 9 0	100 feet
O'Neil and Co.	Happy-go-Lucky Reef...	48 0 0	2 12 12	126 0 0	120 to 130 feet
Tomkins and Co.... ...	Happy-go-Lucky Reef...	30 0 0	7 19 8	239 0 0	120 to 130 feet
Costin and Co.	Prince of Wales Reef ...	27 0 0	0 8 13·33	11 11 0	50 feet
Able and Co.	... ...	25 0 0	0 19 17·28	24 13 0	40 feet
Tidyman and Co. ...	Eureka Reef	22 0 0	0 10 7·63	11 7 0	60 feet
Sowerby and Co.... ...	... ...	33 0 0	0 7 21·09	13 0 0	Surface stone
Various Trial Crushings ...	Various reefs ...	96 0 0	0 16 0	76 16 0	Surface to 50 feet
Garabaldi	Garabaldi Reef ...	35 0 0	0 17 3·42	30 0 0	80 feet
Jones and Co.	Hope Reef	30 0 0	1 12 0	48 0 0	120 feet
Moss and Co.	Pipeclay Reef ...	10 0 0	0 14 0	7 0 0	40 feet
Quin and Co.	Quin's Reef	5 0 0	0 16 0	4 0 0	90 feet
	Total	1,269 10 0	0 13 17·09	870 8 0	

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

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
Buckland Division.	*Harrietville.*				
Law, Hanna, and Co. ...	United Miners' Reef ...	1,500 0 0	0 10 16	800 0 0	288 feet
Hines and Co.	Woodcutters' Reef ...	16 0 0	0 8 15	6 18 0	40 feet
McLean, Gitchell, and Co....	Johnson's Reef ...	208 0 0	0 11 12·92	120 0 0	400 feet
Grimsley and Harrison ...	Providence Reef ...	20 0 0	3 2 0	62 0 0	25 feet
Hadden and Johnson ...	Lyre Bird	10 0 0	0 10 0	5 0 0	20 feet
Howman and Co. ...	Morning Light ...	40 0 0	0 4 7·20	8 12 0	50 feet
Gitchell and Co.	Chrysolite Reef ...	900 0 0	0 2 21·33	130 0 0	30 feet
Osborne and Co.	Champion Reef ...	50 0 0	2 17 4·80	143 0 0	400 feet
Dale, Hansen, and Co. ...	Good Hope Reef ...	140 0 0	0 4 0	28 0 0	70 feet
	Morse's Creek.				
Peabody	Prince of Wales Reef ...	185 0 0	0 8 10·37	78 0 0	180 feet
Johnson Stephens ...	Canton Reef	18 0 0	0 3 21·33	3 10 0	118 feet
John Davis	Victoria Reef	26 0 0	0 14 14·77	19 0 0	220 feet
Kinkade and Co. ...	Independent	28 0 0	1 0 17·14	29 0 0	15 feet
Townsend and Co. ...	Reef not named ...	7 0 0	0 4 12	1 11 12	40 feet
Rawlings and Co. ...	Cobbler's Reef ...	3 0 0	0 3 16	0 11 0	40 feet
Oriental Perseverance ...	Oriental Reef ...	656 0 0	0 5 8·93	176 4 6	80 to 120 feet
Lewis and James ...	Dreadnought	12 0 0	0 2 10	1 9 0	Not stated
W. Jowett	Butler's Reef, &c. ...	4 0 0	0 4 9	0 17 12	Not stated
E. Carlisle	Oriental Hill	22 0 0	0 3 20·73	4 5 0	Not stated
J. Senior	... ...	4 0 0	0 3 0	0 12 0	Not stated
J. Taylor	Oriental Hill	7 0 0	0 3 15·43	1 5 12	Not stated
David Scott	Forlorn Hope Reef ...	30 0 0	0 9 8	14 0 0	Surface
	Growler's Creek.				
H. Gladders	Albion Reef	6 0 0	0 5 18	1 14 12	Not stated
Johnson and party ...	Old Perseverance ...	18 0 0	0 4 0	3 12 0	Not stated
Home Reef	Golden Bar Reef ...	130 0 0	0 2 13·84	16 15 0	35 feet
Home Reef	Home Reef	100 0 0	0 4 0	20 0 0	60 feet
Wallaby	Wallaby Reef	593 0 0	0 9 14·89	285 5 0	100 feet
Rickards, Gregory, and Co.	Gunnie's Lake Reef ...	70 0 0	0 7 3·42	25 0 0	100 feet
Laugher, Robson, and Co. ...	Sundown Reef ...	227 0 0	0 8 4·65	93 0 0	70 feet
Johnson and Hughes ...	Old Perseverance Reef...	10 0 0	0 5 2·40	2 11 0	Not stated
J. Jones	... ...	2 0 0	3 7 0	6 14 0	Not stated
Orchard Brothers ...	Alpine Reef	116 0 0	0 3 22·24	22 15 12	Not stated
	Ovens River.				
Martin and Co.	Old Lisbon	6 0 0	2 6 16	14 0 0	70 feet
Brown, Robertson, and Co.	Harp of Erin Reef ...	80 0 0	0 3 0	12 0 0	30 feet
Stephens and McDonald ...	Sultana Reef	36 0 0	0 12 18	22 19 0	20 feet
McFadyean and Co. ...	Heape's Reef	8 0 0	0 7 12	3 0 0	30 feet
George and Co.	Smoko Creek Reef ...	35 0 0	0 10 6·85	18 0 0	Not stated
Saundercock and Co. (tributers No. 1)	Unity Reef	17 0 0	3 0 0	51 0 0	Not stated
Schubert and Co. (tributers No. 2)	Unity Reef	20 0 0	0 16 0	16 0 0	
	Buckland.				
Howman and Co. ...	Lady Darling Reef ...	59 0 0	1 3 13·02	69 9 0	Surface
Hall and Co.	King of Denmark Reef...	50 0 0	0 14 7·68	35 16 0	60 feet
Clemens and Co.	Chance Reef	33 0 0	0 8 0	13 4 0	70 feet
	Duke of Edinburgh Reef	16 0 0	0 11 10·50	9 3 0	30 feet
Ward and Co.	Chinaman's Reef ...	6 0 0	0 9 12·33	2 17 2	20 feet
Learmonth and Co. ...	Miner's Right Reef ...	83 0 0	1 0 23·13	87 0 0	120 feet
Maguire and Co. ...	... ...	59 0 0	0 9 8·54	27 12 0	80 feet
	Happy-go-Lucky Reef...	13 0 0	0 7 1·84	4 12 0	Surface
Ratcliffe and Co. ...	... ...	18 0 0	0 11 6·66	10 3 0	Surface
Ballantine and Co. ...	General Jackson Reef ...	15 0 0	0 18 3·20	13 12 0	20 feet
D. Murdock	Eureka Reef ...	70 0 0	1 1 3·43	74 0 0	Surface
D. Murdock	Sir Walter Scott Reef ...	14 0 0	0 11 1·71	7 15 0	Surface
Alps	Leinster Reef	20 0 0	0 6 0	6 0 0	100 feet
Brian Boru	Brian Boru Reef ...	40 0 0	0 3 22·80	7 18 0	Not stated
	Running Creek.				
Happy Valley	Happy Valley Reef ...	1,514 0 0	0 11 0·36	833 17 0	240 feet
Happy Valley	Christmas Reef ...	131 0 0	3 6 15·57	436 11 0	Surface to 100 feet
Step and Co.	Root-Hog Reef ...	54 0 0	2 4 10·66	120 0 0	
Happy Valley	Happy Valley, Porepunka, Back Reef	1,839 0 0	0 10 3·26	932 0 0	70 feet below tunnel
Happy Valley	Christmas Reef ...	261 0 0	1 9 6·52	382 0 0	100 feet
	Total	9,655 0 0	0 11 0·56	5,321 10 20	
Alexandra Subdivision.					
Mysterious	Mysterious Reef ...	140 0 0	1 6 0·51	182 3 0	
Albert	Lucky Reef	684 0 0	0 9 15·26	329 11 0	
Ajax	Lucky Reef	36 0 0	8 9 13·33	305 4 0	
Galatea	Galatea Reef	11 0 0	1 8 4·36	15 10 0	
Spinks and Co.	Morning Star Reef ...	8 0 0	0 10 5·25	4 1 18	
Salt and Co.	Zebra Stripes Reef ...	10 0 0	2 19 0	29 10 0	
Haley and Co.	Victoria Reef	30 0 0	0 5 16	8 10 0	
Northern	Northern Reef ...	173 0 0	0 10 23·58	95 0 0	
Last Chance	Last Chance Reef ...	78 0 0	2 8 7·69	188 9 0	
Hammer and Co. ...	Last Chance Reef ...	16 0 0	1 1 7·50	17 1 0	
Providence	Providence Reef ...	8 0 0	0 10 0	4 0 0	

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

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
ALEXANDRA SUBDIVISION—*continued.*					
Rose of Australia ...	Rose of Australia Reef...	15 0 0	0 12 16	9 10 0	
Kirk and Co.	Shamrock Reef ...	2 0 0	0 6 0	0 12 0	
Bruce and Ralph ...	Union Reef	348 0 0	0 4 22·34	85 16 0	
Marlo and Co.	1 and 2 North Union Reef	248 0 0	0 9 12·29	117 19 0	
Lewis and Co.	Albion Reef	40 0 0	0 10 7·65	20 12 18	
Thompson and Co. ...	1 and 2 North Reef ...	62 0 0	0 2 7·06	7 2 6	
Menzie and Co.	Topsy Reef	53 0 0	0 8 14·49	22 16 0	
Palmateer and Co. ...	3 and 4 Durham Reef ...	19 0 0	2 0 17	38 13 11	
Sawyer and Watson ...	Perseverance Reef ...	8 0 0	1 5 21·87	10 7 7	
McMahon and Co. ...	Smile of Fortune Reef ...	1 10 0	1 0 16	1 11 0	
Fitzgerald and Hunt ...	Stranger Reef... ...	1 0 0	3 10 0	3 10 0	
	Total	1,991 10 0	0 15 0·93	1,497 9 12	
GAFFNEY'S CREEK SUBDIVISION.					
A 1	Castle Reef	250 0 0	0 12 9·98	155 4 0	About 100 feet
Golden Belt	Homeward-bound Reef...	500 0 0	0 3 14·25	89 16 22	About 100 feet
Lauraville	... ...	100 0 0	0 1 17·76	8 14 0	About 150 feet
Gaffney's Creek	... ...	400 0 0	0 2 8·04	46 14 0	About 250 feet
Great Eastern	... ...	300 0 0	0 1 14·05	23 15 14	About 150 feet
Dempsey's	... ...	40 0 0	0 2 12·25	5 0 10	About 100 feet
Rose of Denmark ...	Eureka Reef	245 0 0	0 10 4·02	124 11 0	About 220 feet
Phœnix...	Eureka Reef	25 0 0	0 3 9·64	4 5 1	About 100 feet
Wallaby	Wallaby Reef... ...	800 0 0	0 2 21·63	116 1 0	About 150 feet
Hunt's	Homeward-bound Reef...	1,000 0 0	0 1 14·40	80 0 0	About 320 feet
	Total... ...	3,660 0 0	0 3 13·78	654 1 23	
WOOD'S POINT SUBDIVISION.					
Prospectors	Morning Star Reef ...	800 0 0	0 6 3·90	246 10 0	About 300 feet
Nos. 1 and 2 North ...	Morning Star Reef ...	650 0 0	0 4 12·31	146 13 12	About 250 feet
Hope	Morning Star Reef ...	2,058 0 0	0 13 22·17	1,432 15 0	Different levels below 200 ft
Age of Progress.... ...	Morning Star Reef ...	60 0 0	0 1 18·15	5 5 9	About 200 feet
Sir John Franklin ...	Franklin Reef ...	1,240 0 0	0 11 0·23	682 12 0	About 175 feet
New All Nations... ...	Atlantic Reef ...	280 0 0	0 7 3·43	100 0 0	About 100 feet
All Nations	All Nations Reef ...	900 0 0	0 8 21·60	400 10 0	About 200 feet
Oriental	Oriental Reef	330 0 0	0 3 8·95	55 13 0	About 100 feet
Leviathan	Leviathan Reef ...	671 0 0	0 4 8·92	146 13 12	About 250 feet
Alpine Rose, Tributers ...	Alpine Rose Reef ...	118 0 0	0 0 13·11	3 4 12	About 50 feet
That'll Do	Shamrock Reef ...	20 0 0	0 8 4·80	8 4 0	About 125 feet
Strap-and-buckle... ...	Standard Reefs ...	1,000 0 0	0 3 9·12	169 0 0	About 50 feet
	Total	8,127 0 0	0 8 8·64	3,397 0 21	
BIG RIVER SUBDIVISION.					
Luck's-all, Tributers ...	Warner's Reef ...	900 0 0	0 18 15·47	839 0 0	From 50 to 150 feet
Londonderry	Railway Reef... ...	400 0 0	0 4 14·40	92 0 0	200 feet
Retriever	Railway Reef... ...	697 0 0	0 5 7·54	185 4 0	100 feet
	Total	1,997 0 0	0 11 4·29	1,116 4 0	
JAMIESON SUBDIVISION.					
Star of the West... ...	Mack's Creek... ...	50 0 0	0 17 19·68	44 11 0	Various depths
Belle of Venicia ...	Fryer's Creek ...	50 0 0	0 6 13·92	16 9 0	Surface
	Total... ...	100 0 0	0 12 4·80	61 0 0	

SANDHURST MINING DISTRICT.

SANDHURST DIVISION.*					
Bird's Reef	Kangaroo Flat ...	2,665 0 0	0 7 3·52	952 6 0	Mixed lots from various reefs (*See* page 29)
Bendigo and Melbourne ...	Kangaroo Flat ...	2,366 0 0	0 9 1·61	1,072 13 0	
Ellesmere	New-chum Gully ...	1,869 0 0	0 8 9·30	783 17 0	
Fortuna Crushing Works ...	New-chum Gully ...	1,015 0 0	1 11 19·74	1,615 0 0	
Wm. Rae	Happy Valley ...	2,717 0 0	0 17 13·77	2,387 8 0	
Pioneer Crushing Works ...	Long Gully	7,862 0 0	1 7 9·87	10,775 9 0	
Johnson's Reef	California Gully ...	2,368 0 0	0 6 7·77	748 15 0	
Beehive	Eaglehawk	1,861 0 0	0 6 21·11	640 3 12	
Eagle	Eaglehawk	4,950 0 0	0 9 4·65	2,275 10 0	
Frederick the Great ...	Sebastian	2,649 0 0	1 12 7·47	4,279 13 0	
Great Britain	Golden Square ...	2,354 0 0	0 6 0·22	707 6 6	
Sundry lots	Various machines ...	3,594 0 0	0 9 14·90	1,728 17 16	
	Total... ...	36,270 0 0	0 15 10·11	27,966 18 10	
KILMORE DIVISION.					
Providence	Providence Reef, Yea ...	28 0 0	5 15 17·14	162 0 0	About 80 feet
Flat Lead	Flat Lead, Yea ...	20 0 0	0 5 0	5 0 0	Surface
Ryan and Co.	Sunday Creek, Ryan's Reef	114 0 0	0 10 0	57 0 0	Various
Perseverance	Perseverance Reef ...	4 0 0	1 5 0	5 0 0	40 feet
Olson and Co.	Mountain Reef ...	1 10 0	5 6 16	8 0 0	30 feet
	Total... ...	167 10 0	1 8 7·16	237 0 0	

* The managers of companies are so very busy that great difficulty has been experienced in getting any information from them, so that the returns are incomplete this quarter.

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

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
HEATHCOTE DIVISION AND WARANGA SOUTH SUBDIVISION.		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
Neptune	Old Racecourse Reef ...	130 0 0	0 17 20·30	116 0 0	81 feet
Union Jack	Old Racecourse Reef ...	288 0 0	0 9 18·33	140 12 0	
Allison	Kilburn and Babidge's Reef	77 0 0	0 16 10·96	63 7 4	Part 70 and part 200 feet
Collins' machine	Redcastle	349 0 0	0 10 19·46	188 13 0	Various depths
Myrtle Creek	Amelia Reef, Myrtle creek	575 0 0	1 9 6·88	842 0 0	Tunnel workings
Hall and Marchesi's machine	Miscellaneous crushings	124 0 0	0 11 18	72 17 0	Various depths
Archibald and Co.'s machine	Horseshoe Bend ...	79 0 0	1 15 22·78	142 0 0	Various depths
Costerfield	Costerfield	365 0 0	0 5 0·98	92 0 0	Between 230 & 420 ft.
Parker's machine ...	Miscellaneous crushings	152 0 0	1 0 6·31	154 0 0	
Von der Luft's machine ...	Miscellaneous crushings	236 0 0	0 11 14·23	136 16 0	
WARANGA NORTH SUBDIVISION.	Total	2,375 0 0	0 16 9·75	1,948 5 4	
John Holmes	Rushworth	266 0 0	0 14 6·72	189 18 12	
Victoria machine ...	Coy's Diggings ...	445 0 0	0 4 15·27	103 3 6	
Balaclava Hill	Whroo	980 0 0	0 5 14·24	274 1 15	
Alex. Darrock	Whroo	442 0 0	0 11 0·05	243 3 0	
	Total	2,133 0 0	0 7 14·35	810 6 9	

MARYBOROUGH MINING DISTRICT.

MARYBOROUGH DIVISION.					
Mariner's Reef	North Mariner's Reef ...	557 0 0	0 4 17·19	131 6 23	Surface to 120 feet
Mariner's Reef	Public crushings ...	776 0 0	0 8 15·75	335 17 6	Various
Penny and Claussen ...	Public crushings ...	847 0 0	0 14 11·56	613 6 0	Various
North German	Public crushings ...	1,212 0 0	0 8 0	484 16 0	Various
Havelock crushing machine	Public crushings ...	184 0 0	0 7 12·65	69 5 0	Various
	Total	3,576 0 0	0 9 3·40	1,634 11 5	
AMHERST DIVISION.					
Cosstick and Co.	Laura Reef	756 0 0	0 5 0·77	190 4 6	120 feet
Usher and Co.	Churchill Reef ...	42 0 0	0 4 8·28	9 2 12	30 feet
Tresider and Co.	Prince of Wales Reef ...	20 0 0	0 9 9·60	9 8 0	60 feet
Petersen, Busche, and Fenton	Prince of Wales Reef ...	26 0 0	0 10 10·61	13 11 12	Surface to 50 feet
Ansell and Co.	Big Reef	34 0 0	0 5 19·06	9 17 0	50 feet
Harrison and Co. ...	Williams' Reef ...	18 0 0	0 5 3·33	4 12 12	30 feet
Reynolds and Co. ...	Grecian Gully Reef ...	33 0 0	0 5 19·64	9 12 0	10 feet
Hughes and Co.	Adelaide Lead Reef ...	14 0 0	0 5 8·57	3 15 0	20 feet
Deed Brothers	Prince Alfred Reef ...	11 0 0	10 7 19·64	114 6 0	130 feet
Smith and Clarke ...	Nuggety Reef	300 0 0	0 6 0	90 0 0	170 feet
Hogan and Co.	Welcome Reef ...	33 0 0	0 3 16·73	6 2 0	20 to 50 feet
Wilson and Brass ...	Prussian Reef ...	37 0 0	0 4 19·78	8 18 12	50 to 60 feet
T. Bartlemore	Various small parcels ...	695 0 0	0 2 5·87	78 0 0	Various depths
	Total	2,019 0 0	0 5 10·15	547 9 6	
AVOCA SUBDIVISION.					
Evertsen and Co. ...	Vale's Reef	12 0 0	1 3 0	13 16 0	
Clark and Co.	Vale's Reef	11 0 0	0 4 0	2 4 0	
Tuck and Co.	Honeycomb Reef ...	37 0 0	0 3 15·57	6 15 0	70 feet
Hunter and Co.	Honeycomb Reef ...	14 0 0	0 4 6·86	3 0 0	
Murdoch and Co. ...	Reliance Reef ...	13 0 0	0 5 23·08	3 17 12	
Perseverance	Perseverance Reef ...	50 0 0	0 1 8·16	3 7 0	Surface to 40 feet
Barnes Brothers	Plumb Reef	25 0 0	0 11 4·80	14 0 0	140 feet
Ward and Co.	Mystery Reef	13 0 0	1 9 12	19 3 12	Near surface
	Total	175 0 0	0 7 13·44	66 3 0	
DUNOLLY AND TARNAGULLA DIVISIONS.					
Queen's Birthday ...	Goldsborough	1,182 0 0	0 8 19·51	520 17 0	274 feet
Bet-Bet	Mona Reef	57 0 0	0 11 8·84	32 8 0	
	Horizontal Reef ...	19 0 0	1 0 5·05	19 4 0	
	Morgan's Reef ...	11 0 0	0 8 8·72	4 12 0	
	Caledonian Reef ...	82 0 0	0 12 0·87	49 7 0	50 feet
Glamorganshire	Advance Bealiba Reef ...	95 0 0	1 13 19·95	160 14 0	100 feet
Harrap and Co.	Dunolly	0 1 0	900 0 0	45 0 0	Surface
Bonsfield's ...	New-chum	203 0 0	0 6 0·11	60 19 0	
	South Sandstone ...	411 0 0	0 14 14·13	299 16 0	225 feet
	Star Reef	15 0 0	0 7 3·20	5 7 0	
	Atkins' Reef	16 0 0	0 5 22·50	4 15 0	
	Maori Chief Reef ...	64 0 0	0 11 19·12	37 15 0	
	London Reef	2 0 0	1 5 0	2 10 0	
	Growler's Reef ...	67 0 0	0 7 9·31	24 15 0	
United Poverty ...	Poverty Reef	350 0 0	0 4 6·72	74 18 3	150 to 320 feet
	North Poverty Reef ...	42 0 0	0 4 0	8 8 0	100 feet
	Prince of Wales Reef ...	18 0 0	0 4 8·33	3 18 6	150 feet
	Sabbath Reef ...	12 0 0	0 6 16	4 0 0	Surface
	Total	2,646 1 0	0 10 6·56	1,359 3 9	

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

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
KORONG DIVISION.		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
Morning Star	Inglewood	108 0 0	0 3 8·88	18 4 0	240 feet
Baragwanath and party ...	Inglewood	101 0 0	0 8 21·38	44 18 0	240 feet
Selwyn	Thompson's Gully ...	5 0 0	0 18 14·40	4 13 0	10 to 50 feet
Cambrian	Cambrian Reef, Inglewood	42 0 0	0 5 2·85	10 15 0	175 feet
Hanlal	Maxwell Reef, Inglewood	34 0 0	0 11 21·88	20 5 0	85 feet
British Sovereign ...	Wehla	70 0 0	0 3 14·05	12 11 0	200 to 232 feet
Maxwell	Inglewood	600 0 0	0 4 4·80	126 0 0	120 feet
Kingower	Kingower	600 0 0	0 2 0	60 0 0	200 feet
	Total	1,560 0 0	0 3 19·47	297 6 0	
REDBANK AND ST. ARNAUD SOUTH SUBDIVISIONS.					
New Isis	Oxonian Reef ...	760 0 0	0 7 22·67	301 18 0	300 feet
Swanton and Co.	Eureka Reef ...	37 0 0	1 8 7·51	52 7 14	70 to 90 feet
	Total	797 0 0	0 8 21·37	354 5 14	
ST. ARNAUD NORTH SUBDIVISION.					
Chapman and Co. ...	Paddy's Reef	37 0 0	0 18 22·05	35 0 0	400 feet
Higgins and Co.	Rising Star Reef ...	294 0 0	0 15 10·61	227 0 0	400 feet
Chrysolite Hill	Western Reef ...	810 0 0	0 8 4·27	331 4 5	At various depths to 400 feet
Craig and Co.	Fish-hook Reef ...	26 0 0	1 0 0	26 0 0	20 to 60 feet
Benson and Co.	Fish-hook Reef ...	14 0 0	1 0 0	14 0 0	20 to 60 feet
Whiting and Co. ...	Tommy Dodd Reef ...	18 0 0	1 0 0	18 0 0	40 to 100 feet
Struthers and Co. ...	Black Rock	7 0 0	0 2 20·57	1 0 0	
Phœnix	Greenock Reef ...	141 0 0	0 14 4·51	100 0 12	200 to 275 feet
Tucker and Co.	Gap Reef	76 0 0	0 5 1·09	19 3 11	125 feet
Not stated	London Reef	23 0 0	0 9 5·22	10 12 0	Near surface
McMahon and Co. ...	Bristol Reef	53 0 0	0 5 0	13 5 0	Surface to 40 feet
Clegg and Co.	Shewring's Reef ...	117 0 0	0 3 0	17 11 0	150 feet
Clegg and Co.	Shewring's Reef ...	97 0 0	0 8 0	38 16 0	200 feet
	Total	1,713 0 0	0 9 22·63	851 12 4	

CASTLEMAINE MINING DISTRICT.

CASTLEMAINE DIVISION.					
James	Dead-cat	169 0 0	0 11 0·71	93 4 0	60 feet
Nuggety Extended ...	Nuggety Reef ...	328 0 0	0 17 23·92	295 3 21	50 feet
Moore	Nuggety Reef ...	71 0 0	1 7 0·08	95 17 6	50 feet
Crankey Ned's	Barker's Creek ...	822 0 0	0 5 11·48	225 3 9	10 to 50 feet
Lewis and others ...	Nimrod Reef	374 0 0	0 5 21·47	110 4 14	60 to 120 feet
Anderson	Blarney Reef	137 0 0	0 15 0	102 15 0	45 feet
Walker and others ...	Forest Creek	861 0 0	0 8 10·40	363 1 6	Various
Callander and others ...	Forest Creek	540 0 0	0 6 12	175 10 0	Various
Straede and Beck ...	Sebastopol	458 0 0	0 4 6·16	97 9 16	Various
	Total	3,760 0 0	0 8 6·95	1,558 9 0	
FRYER'S CREEK DIVISION.					
Mills, Hilton, and Co. ...	Cattle's Reef	600 0 0	0 10 0	300 0 0	100 to 140 feet
Cattle and Co.	Cattle's Reef	100 0 0	0 3 14·40	18 0 0	129 to 180 feet
Rowe Bros.	Cattle's Reef	1,385 0 0	0 13 6·76	919 15 6	120 feet to 180 feet
Rowe Bros.	Ferron's Reef ...				
Rowe Bros.	Clark's Reef				
Heath and Co.	Cemetery Reef ...	29 0 0	0 5 0	7 5 0	45 feet
Garnet and Co.	Hit-or-Miss	11 0 0	1 2 0	12 2 0	Surface to 8 feet
Small and Co.	Cattle's Reef	315 0 0	0 9 12·57	150 0 0	210 feet
Finch and Dale	Bullock Reef	13 0 0	1 9 5·53	19 0 0	70 feet
	Total	2,453 0 0	0 11 15·05	1,426 2 6	
HEPBURN DIVISION.					
Vineyards	St. George's Reef ...	1,255 0 0	0 4 23·10	311 8 0	108 feet
Cornish	Cornish Reef	4,702 0 0	0 11 0·55	2,591 10 0	380 feet
North Cornish	Cornish Reef	1,385 0 0	0 15 4·92	1,052 19 0	270 feet
Dunstan	Mauritius Reef ...	491 0 0	0 8 19·16	216 0 0	140 feet
Argus United	Collier's Reef ...	207 0 0	0 4 0	41 8 12	140 feet
McDonald	New Racecourse Road ...	70 0 0	1 12 19·31	114 16 8	40 feet
McQueen	Italian Hill	22 0 0	0 11 4·54	12 6 4	70 feet
Freehold	Mauritius Reef ...	837 0 0	0 6 1·52	253 15 6	75 to 128 feet
Crown	St. George's Reef ...	415 0 0	0 8 2·83	168 9 0	124 feet
Barkler, public	Various Reefs ...	281 0 0	0 6 7·17	88 10 0	40 to 75 feet
Jenkins, public	Various Reefs ...	172 0 0	0 4 23·54	42 16 17	40 to 75 feet
Blearkeny and Co. ...	Dry Diggings ...	507 0 0	0 4 18·10	120 10 11	140 feet
Warrior	Doctor's Gully ...	54 0 0	0 6 7·11	17 0 0	20 feet
Perini and Co.	Commissioner's Reef ...	276 0 0	1 2 12·87	311 0 0	70 feet
P. Lorcini	Commissioner's Reef ...	462 0 0	0 4 0·62	93 0 0	10 feet
Crown and Cornish ...	Collier's Reef	28 0 0	2 9 21	69 16 12	140 feet
Freeman and Co. ...	Collier's Reef	50 0 0	0 4 4·44	10 9 6	50 feet
Pope and Co.	Nuggety Reef ...	523 0 0	0 2 1·88	54 7 0	30 feet
Noble and Co.	Nuggety Reef ...	102 0 0	0 10 14·82	54 3 0	
Park	Dry Diggings ...	12 0 0	0 3 16	2 4 0	
	Total	11,851 0 0	0 9 11·88	5,626 9 4	

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

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
TARADALE AND KYNETON SUBDIVISION.		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
Central Energetic ...	Lauriston	1,965 0 0	0 10 5·44	1,005 0 0	195 feet
Energetic	Lauriston	1,166 0 0	0 6 20·66	400 0 0	180 feet
Maggie Lauder	Lauriston	186 0 0	0 2 11·74	23 3 0	95 feet
Napier	Lauriston	228 0 0	0 1 2·84	12 15 0	94 feet
North Star	Lauriston	1,225 0 0	0 5 0·56	307 14 0	150 feet
Eureka	Lauriston	60 0 0	0 10 0	30 0 0	90 feet
Taradale United	Taradale	1,604 0 0	0 9 17·11	779 0 0	10 feet from surface to 96 feet
Fenton	Taradale	2,800 0 0	0 3 21·68	546 10 0	40 to 75 feet
Nelson	Taradale	92 0 0	0 8 5·73	37 18 0	130 feet
Callaghan	Barfold	12 0 0	0 10 0	6 0 0	20 feet
	Total	9,338 0 0	0 6 17·81	3,148 0 0	
TARRANGOWER DIVISION.					
Caledonian mills	Eaglehawk, Parkins', Wilson's, and Linscott's, Reefs	517 0 0	0 10 8·26	267 8 0	200 to 400 feet
Phœnix mills	Eaglehawk, Nuggety, Excelsior, Cambrian, and Linscott's Reefs	378 0 0	0 8 20·25	167 3 0	40 to 90 feet
Linscott's mills	Eaglehawk, Nuggety, Beehive, and Linscott's Reefs	1,147 0 0	0 14 13·57	835 7 0	100 to 300 feet
Great Western	Beehive Reef	1,053 0 0	0 5 6·83	278 4 20	From 470 feet
Nelson	Wilson's Reef... ...	239 0 0	0 15 4·09	181 5 18	300 feet
Eaglehawk Union ...	Eaglehawk Reef ...	652 0 0	0 16 3·09	525 16 0	450 feet
Union (Green Valley) ...	Thornhill's, Nuggety, and John Bull Reefs	180 0 0	0 2 16	24 0 0	10 to 200 feet
	Total	4,166 0 0	0 10 22·60	2,279 4 14	
ST. ANDREW'S EAST AND CENTRAL SUBDIVISIONS.					
Müller and Co.	Crown Prince Reef ...	19 0 0	0 7 1·89	6 14 12	20 feet
Müller and Co.	Crown Prince Reef ...	23 0 0	2 13 13·56	61 12 0	30 feet
Müller and Co.	Crown Prince Reef ...	25 0 0	0 18 1·96	22 12 1	25 feet
Hopkinson and Co. ...	Comet Reef	8 0 0	0 12 20	5 2 16	54 feet
Hopkinson and Co. ...	Comet Reef	4 10 0	1 9 18·66	6 14 0	Surface
Hopkinson and Co. ...	Comet Reef	4 10 0	0 11 8	2 11 0	40 feet
Clarke and Co.	Comet Reef	4 0 0	0 3 6	0 13 0	50 feet
Clarke and Co.	Comet Reef	1 10 0	0 6 0	0 9 0	
Coutie and Co.	Eureka Reef	6 0 0	0 18 22	5 13 12	70 feet
Murray and Co.	Allen's Reef	36 0 0	2 0 0	72 0 0	25 feet
Murray and Co.	Allen's Reef	51 0 0	1 8 7·05	72 3 0	20 feet
Murray and Co.	Allen's Reef	8 0 0	0 8 18	3 10 0	Surface
Murray and Co.	Allen's Reef	39 0 0	1 10 12·30	59 10 0	15 feet
Hillier and Co.	Victoria Reef ...	3 15 0	0 16 0	3 0 0	
Simpson and Co.	Antimony Reef ...	7 10 0	0 13 6·13	4 19 10	80 feet
Simpson and Co.	Antimony Reef ...	8 0 0	0 12 12	5 0 0	85 feet
Hartley	Eureka Reef	2 15 0	0 5 15·27	0 15 12	
Manduell	By Chance Reef ...	4 0 0	0 3 15	0 14 12	
Derby	Crown Prince Reef ...	14 0 0	0 12 0	8 8 0	35 feet
Marriott	Victoria Reef	3 10 0	0 8 0	1 8 0	
McNab	By Chance Reef ...	4 10 0	1 8 4	6 6 18	
No. 4 North Oram's Reef ...	Panton's Hill	4 0 0	0 17 1·50	3 8 6	180 feet
No. 1 South Oram's Reef ...	Panton's Hill	3 10 0	5 8 13·71	19 0 0	
No. 5 South Oram's Reef ...	Panton's Hill	2 0 0	1 11 16	3 3 8	
No. 4 South Oram's Reef ...	Panton's Hill	4 0 0	7 14 10·50	30 17 18	230 feet
Cleopatra	Sailor's Reef	19 10 0	0 14 0	13 13 0	
Cleopatra	Sailor's Reef	12 10 0	0 4 14·40	2 17 12	
Mansfield's Lease ...	4th Hill	3 0 0	1 3 0	3 9 0	
Coleman and Co. ...	Flagstaff Hill	6 0 0	0 16 7	4 17 18	
Paterson's Lease ...	4th Hill	6 10 0	1 12 22·15	10 14 0	25 feet
Jacob and Co.	Moss Reef, 5th Hill ...	2 0 0	0 2 3	0 4 6	
Yarra Tunnelling ...	Warrandyte	8 0 0	1 9 22·25	11 19 10	98 feet
Union	Warrandyte	7 0 0	7 17 17·14	55 4 0	80 feet
Union	Diamond Creek ...	224 10 0	1 2 23·52	257 19 0	180 feet
	Total	580 0 0	1 6 10·93	767 4 3	

ARARAT MINING DISTRICT.

ARARAT DIVISION.					
North Star (Invincible) ...	Campbell's Reef ...	450 0 0	0 13 18·66	310 0 0	450 feet
Kangaroo	Campbell's Reef ...	1,100 0 0	0 4 18·09	261 9 12	250 feet
	Total	1,550 0 0	0 7 8·97	571 9 12	
PLEASANT CREEK DIVISION.					
Pioneer and Galatea ...	Various	4,804 17 0	0 19 14·82	4,713 0 7	200 to 600 feet
Wimmera	Various	4,138 0 0	0 15 8·77	3,179 2 15	
Moonlight	Various	5,334 0 0	1 2 16·79	6,054 0 0	
Victoria	Various	1,684 0 0	0 6 13·97	554 4 12	
St. George	Various	3,658 0 0	1 2 7·11	4,078 0 0	
Leviathan	Various	4,058 0 0	0 18 17·43	3,799 12 13	
Rose of Denmark ...	Own claim, Perthshire reef	407 0 0	0 12 22·17	263 0 0	
Germania	Germania	1,084 0 0	0 3 23·82	216 8 0	About 45 to 100 feet
New Dundee	Darlington Co.'s Reef ...	250 0 0	0 10 0	125 0 0	About 250 feet
	Total	25,417 17 0	0 18 2	22,982 7 23	

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

Division and Subdivision, and Name of Company.	Where Quartz was obtained.	Quartz Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Quartz was obtained, &c.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
GIPPSLAND MINING DISTRICT.					
OMEO SUBDIVISION.					
Black Prince (late Eureka)	Swift's Creek ...	749 0 0	1 2 14	845 14 22	Surface
MITCHELL RIVER SUBDIVISION.					
Try-again	Try-again Reef ...	57 0 0	0 14 0	39 18 0	30 feet
Tubal Cain	Tubal Cain Reef ...	20 0 0	2 0 0	40 0 0	70 feet
	Total	77 0 0	1 0 18·07	79 18 0	
BOGGY CREEK SUBDIVISION.					
Sons of Freedom	... ...	90 0 0	0 5 0	22 10 0	50 feet level
Galway	... ...	34 0 0	0 9 10	16 0 0	70 feet
Southern Cross	... ...	6 0 0	2 5 12	13 13 0	40 feet
Bulumwaal	... ...	8 0 0	0 18 0	7 4 0	Surface
	Total	138 0 0	0 8 14·43	59 7 0	
CROOKED RIVER DIVISION.					
Anchor of Hope	New Bendigo Reef ...	30 0 0	0 16 22·80	25 8 12	80 feet
Moore and Thomas ...	No. 1 West Jeweller's Shop	14 0 0	2 0 5·28	28 3 2	40 feet
Kelly and Co.	Triumph Reef ...	3 0 0	8 8 21·66	25 6 17	Surface to 20 feet
Golden Fleece	Golden Fleece Reef ...	22 0 0	0 4 17·45	5 4 0	90 feet
Hubbard and Doolan ...	Brother Jonathan Reef	22 0 0	0 10 21·81	12 0 0	94 feet
Hurley and Co.	Jeweller's Shop Reef ...	21 0 0	0 10 12·57	11 1 0	80 feet
Trebilcock and Co. ...	Time-will-tell Reef ...	19 0 0	1 2 12	21 7 12	220 feet
Eagle Vale	Eagle Vale Reef ...	8 0 0	0 12 21·5	5 3 4	70 feet
C. F. Ruel and Co. ...	Black Snake Reef ...	23 0 0	0 6 16·69	7 14 0	150 feet
	Total	162 0 0	0 17 10·95	141 7 23	
JERICHO DIVISION.					
Lochfyne	Lochfyne Reef ...	30 0 0	1 7 16	41 10 0	About 70 feet
Harbinger	Harbinger Reef ...	500 0 0	0 11 22·08	298 0 0	About 130 feet
	Total	530 0 0	0 12 19·47	339 10 0	
STRINGER'S CREEK DIVISION.					
Long Tunnel	Company's lease, Cohen's Reef	3,539 0 0	2 19 23·99	10,616 19 0	171 and 243 feet levels
Walhalla	Company's lease, Cohen's Reef	2,002 0 0	0 13 13·31	1,356 17 0	Above the adit level
North Gippsland ...	Company's lease, Cohen's Reef	2,004 0 0	0 16 4·37	1,621 9 0	From 164 to 194 feet
Golden Fleece	Company's lease, Cohen's Reef	65 0 0	0 4 18·09	15 9 0	Above the adit level
Happy-go-Lucky ...	Company's lease, Happy-go-Lucky	26 10 0	1 15 5·88	46 14 0	Above the adit level
Longfellow's	Company's lease, Longfellow's Reef	366 0 0	0 9 10·04	172 7 3	230 feet level
	Total	8,002 10 0	1 14 13·52	13,829 15 3	
RUSSELL'S CREEK DIVISION.					
Pheasant Creek Prospecting	Pheasant Creek ...	80 0 0	1 7 12	110 0 0	120 feet

QUARTZ TAILINGS, CEMENT, ETC.

THE following information has been obtained from Returns made by the Mining Surveyors and Registrars relative to the Quantity of QUARTZ TAILINGS and CEMENT, &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 Cement, &c., were obtained.	Quartz Tailings and Cement, &c., Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Cement, &c., were obtained.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
BALLARAT MINING DISTRICT.					
CENTRAL DIVISION.					
Llanberris, crushed on hire	... ...	104 0 0	0 1 4·84	6 5 0	
SMYTHESDALE DIVISION.					
Prince Alfred	Tailings of Old Britannia claim, Carngham	2,000 0 0	0 0 14·04	58 10 18	
CRESWICK DIVISION.					
Hard Hill	Hard Hills, Creswick ...	420 0 0	0 8 4·17	171 13 0	
GORDON SUBDIVISION.					
Black Horse	... ...	86 0 0	0 2 15·90	11 9 0	
BEECHWORTH MINING DISTRICT.					
BEECHWORTH DIVISION.					
Mullock...	Rechabite Reef ...	82 0 0	0 4 15·21	19 0 0	
ALEXANDRA SUBDIVISION.					
Just-in-time	Mysterious Reef ...	71 0 0	0 4 17·45	16 15 15	
SANDHURST MINING DISTRICT.					
SANDHURST DIVISION.					
Guy, Clough, and Co. ...	White Hills	3,547 0 0	0 2 6·23	400 16 0	Surface to 45 feet
Felix	White Hills	2,037 0 0	0 0 22·50	95 10 0	Surface to 45 feet
Huntly Deep Lead Extended	Huntly	2,200 0 0	0 2 23·25	326 12 0	110 feet
Telegraph	Huntly	1,976 0 0	0 4 2	403 9 0	120 feet
Morning Light	Huntly	1,960 0 0	0 3 0·29	295 4 0	136 feet
Ballarat and Bendigo ...	Huntly	970 0 0	0 2 17·81	133 0 0	120 feet
Alabama	Huntly	787 0 0	0 5 5·39	205 12 0	114 feet
	Total	13,477 0 0	0 2 18·25	1,860 3 0	
HEATHCOTE DIVISION AND WARANGA SOUTH SUBDIVISION.					
Costerfield	Costerfield	792 0 0	0 1 14·90	64 4 0	
Neil's machine	Red Hill	1,100 0 0	0 0 19·63	45 0 0	
Von der Luft's machine ...	Red Hill	42 0 0	0 2 6·28	4 15 0	
	Total	1,934 0 0	0 1 4·28	113 19 0	
WARANGA NORTH SUBDIVISION.					
Victoria machine ...	Coy's Diggings ...	1,287 0 0	0 0 16·62	44 11 12	Surface

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

Division and Subdivision, and Name of Company.	Where Quartz Tailings and Cement, &c., were obtained.	Quartz Tailings and Cement, &c., Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Cement, &c., were obtained.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
MARYBOROUGH MINING DISTRICT.					
MARYBOROUGH DIVISION.					
Penny and Claussen ...	Tailings	570 0 0	0 1 11·78	42 10 0	Public crushings
North German	Tailings	64 0 0	0 3 0	9 12 0	Public crushings
Havelock machine ...	Mullock	20 0 0	0 18 14·40	18 12 0	Public crushings
Havelock machine ...	Cement	13 0 0	0 9 5·53	6 0 0	Public crushings
	Total	667 0 0	0 2 7·19	76 14 0	
AMHERST DIVISION.					
Cruise and Co.	United Kingdom ...	12 0 0	0 3 3·50	1 17 18	106 feet cement
Stone and party	Cockatoo	5 0 0	0 7 4·80	1 16 0	30 feet cement
	Total	17 0 0	0 4 8·12	3 13 18	
AVOCA SUBDIVISION.					
Bosanko's mill	Old Avoca Lead ...	300 0 0	0 1 0	15 0 0	Mixed tailings
Bosanko's mill	Old Avoca Lead ...	270 0 0	0 2 0	27 0 0	Cement
Clapperton's mill ...	Various claims on Fiddler's Creek Lead	918 0 0	0 2 17·18	124 13 0	Washdirt
Dawe's mill	No. 2 Creek	55 0 0	0 4 12·51	12 8 16	Cement
	Total	1,543 0 0	0 2 7·71	179 1 16	
DUNOLLY AND TARNAGULLA DIVISIONS.					
Glamorganshire	Bealiba	219 0 0	0 8 0	87 12 0	
United Poverty	Poverty Reef	342 0 0	0 1 7·47	22 8 12	
	Total	561 0 0	0 3 22·13	110 0 12	
KORONG DIVISION.					
Golden Gate machine ...	Korong (cement) ...	600 0 0	0 2 0·08	60 2 0	10 feet
Daly Lead	Daly Lead, Inglewood ...	214 0 0	0 4 4·93	45 0 0	118 feet
Flight's	Daly Lead, Inglewood ...	25 0 0	0 3 11·76	4 7 6	
	Total	839 0 0	0 2 14·62	109 9 6	
REDBANK AND ST. ARNAUD SOUTH SUBDIVISIONS.					
Lancashire mill	... ...	390 0 0	0 2 18·84	54 6 3	
ST. ARNAUD NORTH SUBDIVISION.					
Tucker and Co.	Gap Reef	200 0 0	0 1 12	15 0 0	Mullock
Malcolm's mill	Peter's	12 0 0	0 10 0	6 0 0	Cement
	Total	212 0 0	0 1 23·55	21 0 0	
CASTLEMAINE MINING DISTRICT.					
FRYER'S CREEK DIVISION.					
Table Hill	Table Hill	500 0 0	0 2 3·84	54 0 0	100 to 120 feet
Jenkins and Co. ...	Table Hill	78 0 0	0 10 0	39 0 0	70 feet
Jenkins (public)	Table Hill	50 0 0	1 0 0	50 0 0	Various
Thomas and Co.	Bald Hill	50 0 0	0 4 0	10 0 0	90 feet
William Tell	Guildford Hill	108 0 0	0 3 0	16 4 0	80 to 90 feet
	Total	786 0 0	0 4 7·32	169 4 0	
HEPBURN DIVISION.					
Coupin and Co.	New Adamis Reef ...	200 0 0	0 1 7·56	13 3 0	
Old Cornish	Wombat	297 0 0	0 1 9·26	20 11 16	
	Total	497 0 0	0 1 8·55	33 14 6	
TARRANGOWER DIVISION.					
Prince of Wales	Cement	2,178 0 0	0 0 23·16	105 1 18	Surface
Caledonian mills	Tailings	922 0 0	0 2 0	92 4 0	Surface
Caledonian mills	Banks	222 0 0	0 1 19·78	20 5 0	Surface
Linscott's mills	Banks	193 0 0	0 1 14·05	15 6 0	Surface
Phœnix mills	Banks	1,972 0 0	0 1 8·74	134 10 0	Surface
ST. ANDREW'S EAST AND ST. ANDREW'S CENTRAL SUBDIVISIONS.	Total	5,487 0 0	0 1 8·13	367 6 18	
Tutton	Cemetery Gully ...	28 0 0	0 1 9·42	1 19 0	
3rd Hill	Mullock	43 0 0	0 1 5·42	2 12 17	
Mansfield's lease	4th Hill	24 0 0	0 7 22	9 10 0	
Patterson's lease	4th Hill	180 0 0	0 1 2·26	9 17 0	
Cattach and Co.	1st Hill	80 0 0	0 0 18·30	3 1 0	
	Total	355 0 0	0 1 12·48	26 19 17	

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

Division and Subdivision, and Name of Company.	Where Quartz Tailings and Cement, &c., were obtained.	Quartz Tailings and Cement, &c., Crushed.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Cement, &c., were obtained.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
ARARAT MINING DISTRICT.					
ARARAT DIVISION.					
Cambrian	Various	1,820 0 0	0 1 0	91 0 0	
Ah Chow and Co. ...	Deep Lead	1,000 0 0	0 1 0	50 0 0	
	Total	2,820 0 0	0 1 0	141 0 0	
GIPPSLAND MINING DISTRICT.					
STRINGER'S CREEK DIVISION.					
Happy-go-Lucky ...	Company's Lease, Happy-go-Lucky	260 0 0	0 3 7·75	43 4 0	

PYRITES AND BLANKETINGS.

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

Division and Subdivision, and Name of Company.	Where Pyrites and Blanketings were obtained.	Pyrites and Blanketings operated on.	Average Yield of Gold per Ton.	Total Yield of Gold.	Remarks relative to the Depth at which the Pyrites, &c., were obtained.
		tons cwt. qr.	oz. dwt. gr.	oz. dwt. gr.	
BALLARAT MINING DISTRICT.					
CENTRAL DIVISION.					
Llanberris	From various places ...	35 0 0	1 13 21·94	59 7 0	
CRESWICK DIVISION.					
Port Phillip	Clunes Reefs	116 0 0	4 16 19·44	561 10 0	
New North Clunes ...	Clunes Reefs	184 0 0	2 15 8·47	509 5 0	
	Total	300 0 0	3 11 9·20	1,070 15 0	
BEECHWORTH MINING DISTRICT.					
YACKANDANDAH DIVISION.					
Scandinavian	Twist's Creek... ...	1 0 0	10 0 0	10 0 0	
BUCKLAND DIVISION.					
Happy Valley	Happy Valley Reef ...	59 0 0	3 6 18·71	197 0 0	
Johnson Stephens' mill ...	... ...	7 0 0	0 14 6·85	5 0 0	
	Total	66 0 0	3 1 5·09	202 0 0	
WOOD'S POINT SUBDIVISION.					
Hope	Morning Star Reef ...	43 8 0	5 2 20·57	223 4 0	275 feet
SANDHURST MINING DISTRICT.					
SANDHURST DIVISION.					
Pioneer Crushing Works ...	Long Gully	350 0 0	2 12 2·46	911 16 0	Obtained by means of reverberatory furnace
MARYBOROUGH MINING DISTRICT.					
MARYBOROUGH DIVISION.					
Penny and Claussen ...	Public crushings ...	2 0 0	30 0 0	60 0 0	
DUNOLLY AND TARNAGULLA DIVISIONS.					
	New-chum	23 0 0	1 19 19·73	45 15 22	
GIPPSLAND MINING DISTRICT.					
STRINGER'S CREEK DIVISION.					
Walhalla	Company's lease, Cohen's Reef	39 0 0	2 1 14·76	81 3 0	

NUMBER AND DISTRIBUTION OF MINERS ON THE GOLDFIELDS OF THE COLONY, FOR THE QUARTER ENDING 30TH SEPTEMBER 1871.

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

Name of Place.	No.	Total.
BALLARAT DISTRICT.		
Central Division:		
Ballarat West	1,500	
Ballarat East	1,100	
Ballarat North	150	
Sebastopol	1,325	
Cambrian Hill	320	
The Springs	132	
Little Bendigo	309	
Dead-horse	240	5,161
Sago Hill	85	
Southern Division:		
Long Gully	20	
Staffordshire Reef	55	
Italian Gully	80	
Splitters' Gully	20	
Kangaroo	30	
Moonlight	20	
Bulldog	100	
Rokewood Junction	70	
Mount Misery	350	
Jackson's Gully	15	
Yankee Hill	22	
Grassy Gully	150	
Spring Creek	20	
Sawpit Gully	20	
Whim Holes	50	
Hard Hills	40	
Frenchman's Gully	30	
Pinchgut	120	
Break-o'-day	100	
Western Creek	250	1,587
Raglan	25	
Buninyong Division:		
Watson's Hill	50	
Durham and South Durham	300	
Green Hills and Devonshire	80	
Scotchman's	90	
Union Jack and Glencoe	200	
Winter's Flat	80	
Hiscock's	160	
Magpie and Cobbler's	80	
One-eye and Spring Hill	50	
Black Lead and Wattle Gully	50	
Durham Ranges, Napoleon, Kitty's, and Gympie	350	
		1,490
Smythesdale Division:		
Smythesdale	130	
Scarsdale	600	
Brown's and Monkey Gully	70	
Italian Gully	70	
Derwent Jack's	20	
Piggoreet	100	
Bottle Hill	80	
Snake Valley	90	
Bulla Flat	5	
Springdallah Creek	30	
Happy Valley	80	
Haddon	320	
Golden Lake	140	
Madden's Flat	10	
Linton	150	
Moonlight Flat	5	
		1,900
Creswick Division:		
Creswick	100	
Clunes	1,100	
Springhill	60	
Red Streak	260	
Union Hill	30	
Carried forward		10,138

Name of Place.	No.	Total.
Brought forward		10,138
Creswick Division—continued.		
Longpoint	100	
Diamond Gully	30	
Cobbler's Gully	40	
Bald Hills	20	
Sulky Gully	35	
Slaty Creek	50	
Mopoke	70	
Humbug Hill	30	
Portuguese Flat	50	
Back Creek	35	
Rocky Lead	30	
Pinchgut Gully	60	
		2,100
Gordon Subdivision:		
Egerton	135	
Moorabool	22	
Gordon	68	
Lal-lal	19	
		244
Steiglitz Subdivision:		
Steiglitz	534	
Morrison's and Tea-tree Creek	300	
Dolly's Creek	90	
Mount Doran and Stony Rises	60	
		984
Blackwood Division and Blue Mountain South Subdivision:		
Golden Point	200	
Red Hill	100	
Barry's Reef and Split-tree	220	
Yankee Reef and Creek	60	
Simmons' Reef and Back Creek	120	
Sebastopol and Lower Lerderderg	180	
Brown's Reef	50	
Snake Gully	30	
Goodman's Creek	20	
Ballan Flat	40	
Johnston's Reef	10	
Werribee	10	
Garibaldi and Two-mile Diggings	20	
Wright's Reef	10	
		1,070
Total for Ballarat District		14,536
BEECHWORTH DISTRICT.		
Beechworth Division:		
Spring Creek	115	
Silver Creek	25	
Deep Creek	22	
Hurdle Creek	48	
Pennyweight Flat	52	
Two-mile Creek	60	
Three-mile Creek	210	
Six-mile Creek	55	
Bowman's Forest, &c.	120	
Myrtleford, &c.	90	
Wooragee, &c.	170	
Reid's Creek	38	
Woolshed	190	
Sebastopol	143	
Eldorado, &c.	430	
Stanley, &c.	450	
		2,218
Carried forward		2,218

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

Name of Place.	No.	Total.
Brought forward		2,218
Yackandandah Division:		
German Flat	30	
Muddy Creek	35	
Hayes' Point	30	
Kirby's Flat	50	
Township Hills	40	
Pyke's Flat	14	
Rowdy Flat	30	
Osborne's Flat	53	
Allan's Flat	9	
Staghorn Flat	18	
Kinchington's Creek	35	
Twist's Creek	170	
Clear Creek	120	
Hillsborough and Sutton	150	
Sandy Creek	180	
		964
Indigo Division:		
Chiltern and New Ballarat Leads ...	157	
Indigo Lead	162	
Glencoe Lead	60	
Durham Lead	26	
Magenta Reef	7	
Banner's Reef	4	
Lancashire and Black-dog	20	
All England Lead	14	
Various Leads	42	
Various Quartz Mining Companies ...	84	
		576
Buckland Division:		
Harrietville	184	
Harrietville to Bright	327	
Bright to Boundary	112	
Running Creek	134	
Morse's and Growler's Creeks ...	229	
Buckland branches to Upper Bridge ...	217	
Upper Bridge to Lower Bridge ...	337	
Lower Bridge to Ovens Junction ...	294	
		1,834
Alexandra Subdivision:		
Alexandra and vicinity	150	
Godfrey's Creek	90	
Devil's River and tributaries ...	50	
Johnson's Creek and tributaries ...	110	
Growler's Gully and vicinity ...	60	
U T Creek	10	
Goulburn River	30	
Ghin-ghin	8	
Spring Creek and tributaries ...	110	
Merton and vicinity	50	
Brilliant Creek and vicinity ...	20	
Maindample	12	
Hayfield	16	
Prospectors	40	
		756
Dry Creek Subdivision:		
Brankeet Creek	45	
Dry Creek	120	
Hell's Hole	20	
		185
Gaffney's Creek Subdivision:		
Goulburn River	24	
Gaffney's Creek	75	
Cannon's Creek	44	
Raspberry Creek and branches ...	48	
Lyrebird Creek	8	
Wallaby Creek	32	
Cornhill Reef, &c.	2	
Moving population	12	
		245
Wood's Point Subdivision:		
Wood's Point and Morning Star ...	130	
Lower Goulburn	60	
Right and left branches	54	
Gooley's Creek, &c.	62	
Carried forward		6,778

Name of Place.	No.	Total.
Brought forward		6,778
Wood's Point Subdivision—continued.		
Harper's and Pheasant Creek ...	8	
Perkins' Creek and Waverley ...	12	
Emerald Claims	4	
All Nations, &c.	28	
Toorak to Columbia	2	
Black River	65	
Moving population	21	
Maori Creek	3	
Bald Hills to Matlock	2	
		451
Big River Subdivision:		
Frenchman's Creek	6	
Ten-mile	4	
Warner's Creek	38	
Enoch's Creek	6	
Railway Creek	28	
Jim Thomas' Creek	4	
Big River South	10	
Big River North	18	
Fryer's Creek	15	
Jerusalem Creek	75	
Moving population	11	
		215
Mitta-mitta Division:		
Thunder-and-lightning Creek ...	156	
Snowy Creek	280	
Mitta-mitta River	50	
		486
Jamieson Subdivision:		
Howqua River and tributaries ...	65	
Goulburn from Howqua to Jamieson	123	
Mack's Creek	70	
Goulburn from Jamieson to Swampy Creek	87	
Sailor Bill's Creek	72	
Flume Creek	20	
Baker's Creek	8	
Prospectors	5	
		450
Total for Beechworth District...		8,380

Sandhurst District.

Sandhurst Division:		
Back Creek and Spring Gully, and Milkmaid's Flat	290	
Sheepshead and Golden Gully ...	450	
Golden Square and Kangaroo Flat ...	565	
Crusoe Gully and neighborhood	125	
Marong and Bullock Creek ...	185	
Victoria Reef and New-chum ...	618	
Long Gully, Maiden and Derwent Gullies	578	
Ironbark	620	
Bendigo Flat	312	
White Hills	60	
Epsom and Pottery Flat	80	
Huntly	508	
Sydney Flat and Whipstick ...	320	
Specimen Hill, Eaglehawk	278	
Devonshire and Deadhorse Gullies ...	350	
Windmill Hill and California Gully ...	535	
Eaglehawk Gully and Flat	324	
Sailor's, Snoh's, and Pegleg Gullies ...	440	
Raywood	130	
Elysian Flat	150	
Sebastian...	90	
Kamarooka	45	
Scattered and prospecting	150	
		7,203
Kilmore Division:		
Reedy Creek	137	
Tea-tree	9	
Sunday Creek	18	
Higinbotham and Yea	21	
Thornton...	12	
Mountain Rush	3	
		200
Carried forward		7,403

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

Name of Place.	No.	Total.
Brought forward	...	7,403
Heathcote Division and Waranga South Subdivision:		
Spring Creek	220	
Redcastle	120	
Heathcote	180	
Costerfield	118	
Tooborac	35	
Kimbolton and Campaspe	40	
Coliban and Myrtle Creek	100	
Wild-duck Creek	20	
Major's Town	40	
		873
Waranga North Subdivision:		
Rushworth	253	
Whroo	124	
White Hills and Nine-mile Creek ...	81	
Good Friday	8	
Buffalo	84	
Noorilim	4	
Fontainebleau	35	
		589
Total for Sandhurst District		8,865

MARYBOROUGH DISTRICT.

Maryborough Division:		
Waterloo, Inkerman, Alma, Adelaide Lead, Moonlight	560	
Golden Point, Carisbrook, Majorca, Craigie, and Four-mile Flat ...	950	
Mosquito, Blucher's, Mariner's, Bristol Hill, and other reefs	600	
Chinaman's Flat, Newtown, Havelock, Lucknow, Maryborough ...	1,172	
		3,282
Amherst Division:		
About Talbot	84	
Scandinavian Lead	80	
Rocky Flat	150	
Mount Greenock	160	
Nuggety and Long Gullies	30	
Kangaroo Flat and Gully	30	
Mia-mia Flat and tributaries ...	30	
Daisy Hill and tributaries	150	
Adelaide Lead South	60	
Blacksmith's Gully	30	
Emu and Cockatoo	150	
McCallum's Creek	40	
Mount Glasgow	4	
		998
Avoca Subdivision:		
Amphitheatre	36	
Old Avoca Lead	286	
Green Hill Creek	8	
Percydale	1,013	
Homebush	96	
Lamplough	21	
Mountain Hut	30	
No. 1 Creek	135	
No. 2 Creek	45	
Raggedy Gully	750	
Yorkey's Hill	20	
Donkey Hill	86	
Vale's Hill and Fryingpan	6	
		2,532
Dunolly and Tarnagulla Divisions:		
Dunolly	280	
Burnt Creek	110	
Goldsborough	85	
Inkerman	75	
Moliagul	225	
Bealiba	110	
Murphy's Flat	20	
Jones' Creek	130	
Carried forward	...	6,812

Name of Place.	No.	Total.
Brought forward	...	6,812
Dunolly and Tarnagulla Divisions—contd.		
Tarnagulla	195	
Half-way	30	
Llanelly	120	
		1,380
Korong Division:		
Jericho	30	
Jordan's	30	
Berlin	1,700	
Kingower	50	
Craigie Lea	35	
McIntyre's	20	
Sinnott's	20	
Burke's Flat	50	
New Inglewood	160	
Thompson's Gully	20	
Korong	100	
Old Inglewood	25	
		2,240
Redbank and St. Arnaud South Subdivisions:		
Stuartmill	64	
Redbank	53	
Hard Hills	14	
Forest Hut	8	
Moonambel	51	
Middle Creek	200	
Sandy Creek and Canterbury ...	110	
Darling Flat	8	
		508
St. Arnaud North Subdivision:		
New Bendigo	72	
St. Arnaud	101	
Armenian and Sawpit Gullies ...	11	
Stuartmill	33	
Silver Mines	6	
Jerejaw and Fishook	8	
Emu	15	
Carapooce	32	
Rostron's and Wattle Flat	26	
Bald Hills	5	
John Bull Creek	4	
Blink Bonnie and other reefs ...	12	
Bolangum	20	
		345
Total for Maryborough District		11,285

CASTLEMAINE DISTRICT.

Castlemaine Division:		
Guildford	200	
Campbell's Creek	350	
Castlemaine	250	
Barker's Creek	195	
Myrtle Creek	48	
Chewton	477	
Golden Point	170	
		1,690
Fryer's Creek Division:		
Golden Gully and Fryerstown ...	390	
Spring Gully and Specimen Hill ...	200	
Church's Flat to Vaughan	440	
Butcher's and Kangaroo Hills ...	50	
German and Mopoke Gullies ...	120	
Loddon: Vaughan to Pennyweight ...	130	
Table Hill and Tarilta	90	
Guildford Hills	300	
Loddon: Vaughan to Holcombe ...	310	
Nuggety Gully and Irishtown ...	150	
Green and Sailor's Gullies	140	
Pickpocket and Hard Hills	30	
Strathloddon and Hit-or-Miss ...	240	
		2,590
Carried forward	...	4,280

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

Name of Place.	No.	Total.
Brought forward	...	4,280
Hepburn Division:		
Glenlyon Section and Dry Diggings ...	181	
Yandoit Section	268	
Boots' Gully Section	108	
Italian Gully Section	220	
Spring Creek Section	130	
Doctor's Gully Section	195	
Brandy-hot Section	57	
Deep Creek Section	190	
Blind Creek Section	76	
Stony Creek Section	177	
Wombat Creek Section	164	
Daylesford Section	617	
Connel's Gully Section	94	
		2,477
Taradale and Kyneton Subdivision:		
Taradale	240	
Taradale South	202	
Piper's Creek	8	
Kangaroo	57	
Malmsbury	60	
Coliban North	28	
Belltopper	49	
Redesdale	33	
Barfold	40	
Lauriston	130	
Mudlark	15	
Glenlyon	6	
		868
Tarrangower Division:		
Beehive Hill	80	
Eaglehawk Gully	170	
Long Gully	128	
Pegleg Gully	77	
Growler's Gully	24	
Porcupine Flat	69	
Mount Tarrangower	66	
Fiddler's Flat	4	
Sandy Creek	154	
Nuggety and Bradford	56	
Green Valley and Blacksmith's Hill ...	45	
Frenchman's and Mia-mia	26	
Muckleford	84	
Newstead, Strangways, and Clydesdale	31	
		1,014
St. Andrew's East and Central Subdivisions:		
Anderson's Creek	82	
Long Gully	32	
Fern-tree Gully	13	
Smith's Gully	23	
Yow-yow Gully	25	
Wild-dog	24	
Diamond Creek and Pioneer ...	35	
Sailor's Gully	9	
The Knobs	6	
Back Creek	28	
Cherry-tree and Watery Gully ...	14	
Black Calf	20	
Hoddle's Creek	45	
McMahon's Creek	4	
Steel's Creek	11	
Warburton	13	
Starvation Creek	14	
Queenstown	36	
Kingstown	30	
One-tree Hill	16	
Donovan's Creek	8	
		488
St. Andrew's West and South Subdivisions:		
Tubba Rubba Creek (near Snapper Point)	27	
Sassafras Creek	3	
		30
Blue Mountain North Subdivision:		
Trentham	30	
Columbia	7	
Newbury	45	
Garlick's Lead	51	
Alma	16	
		149
Total for Castlemaine District ...	...	9,306

Name of Place.	No.	Total.
ARARAT DISTRICT.		
Ararat Division:		
Ararat, including the White Lead, Canton Lead, Commissioner's Hill, Old Korns, Hopkins' and Black Lead, Mitchell's Reef, and Picnic ...	285	
Armstrong's, with Dutton's Gully, Long and Napoleon Gullies, and Hospital Hill, Eaglehawk, and Fly Muck ...	153	
Philip's Flat, Nil Desperandum, and Slaughteryard Hill	40	
Cathcart, with Spring Lead, Bowman's Flat, and Black Hill Lead ...	53	
Rhymney, Shea's Flat, McNab's, Good Friday Gully, and Preston Reefs ...	58	
Opossum Gully, Soldier's Flat, Wattle Gully, and Port Curtis	210	
Moyston, with Campbell's Reef, Alluvial Flat, Camp, Jonathan's, Shepherd's Gully, and Gray's Hut Lead and Londonderry	180	
		979
Pleasant Creek Division:		
Silver Shilling	15	
Deep Lead	170	
Great Western	15	
Stawell	800	
Seventy-foot	70	
Germania	20	
Bonnie Dundee	10	
Darlington	20	
		1,120
Barkly Division:		
Landsborough	100	
Dividing Range	25	
Barkly	40	
Molony's	70	
Frenchman's	20	
Malakoff	30	
Glenpatrick	30	
Walter's	20	
Cambrian	15	
		350
Raglan Division:		
Beaufort	95	
Jock's Gully and Geelong Flat ...	130	
Main Lead	90	
Tributaries to ditto	90	
Warterloo tributaries	30	
Poverty Point	2	
Sailor's Gully and tributaries ...	81	
Sulky Gully	40	
Waterloo	50	
Surface Hill	7	
Charlton	50	
		665
Total for Ararat District ...	...	3,114
GIPPSLAND DISTRICT.		
Omeo Subdivision:		
Livingstone Creek	190	
Upper Mitta-mitta, from Cobungara to Wombat Creek	80	
Wombat Creek	55	
Gibbo River	50	
Swift's Creek	160	
River Tambo	30	
		565
Mitchell River and Boggy Creek Subdivisions:		
Nicholson River, Store Creek, and tributaries	170	
Clifton Creek	6	
Boggy Creek	100	
Merrijig and Sandy's Creek ...	70	
Lower Sandy's Creek	25	
		371
Carried forward	...	936

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

Name of Place.	No.	Total.
Brought forward	...	936
Crooked River Division:		
Grant	18	
Wongungarra	8	
Crooked River	82	
Good-luck Creek	9	
Jungle Creek	25	
Black Snake	6	
Twelve-mile Creek...	12	
Twenty-five-mile	20	
Thirty-mile	3	
Wentworth River	50	
Upper Dargo	60	
Middle Dargo	8	
Lower Dargo	45	
Upper Mitchell	25	
Good Hope	20	
		391
Jericho Division:		
Matlock to Alhambra	3	
Lochfyne and Ferntree	32	
B B Creek and spurs	48	
Jericho and Jordan	60	
Blue Jacket	1	
Red Jacket	16	
Eldorado	3	
Dry Creek	28	
Moving population	10	
Prospecting	5	
		206
Donnelly's Creek Division:		
Store Point and Donnelly's Creek ...	50	
Aberfeldy	18	
South Crinoline	8	
Edwards' Hill	20	
Lee's Creek	18	
Tullamore and North Crinoline ...	24	
Freestone Creek	5	
Gladstone	9	
Upper Gladstone	11	
		163
Carried forward	...	1,696

Name of Place.	No.	Total.
Brought forward	...	1,696
Stringer's Creek Division:		
Walhalla	336	
Golden Eagle	3	
Happy-go-lucky	9	
Longfellow's Reef	24	
Shamrock Reef	8	
Thomson River	38	
Pliedes Ranges	3	
Mount Look-out	170	
Fulton's Creek and Aberfeldy River ...	15	
		606
Russell's Creek Division:		
Lower Tangil	75	
Upper Tangil and Russell's Creek ...	55	
Crossover	40	
Pheasant Creek, Hawthorn, and La Trobe	20	
		190
Bendoc Subdivision:		
Bendoc	28	
Lower Bendoc	4	
Bog	38	
Bonang	10	
Back Creek	20	
Delegate River	18	
Prospecting	10	
		128
Tarwin Subdivision:		
Stockyard Creek	200	
Cement Hill	45	
Whipstick Gully	30	
New Zealand Hill	75	
Prospecting	50	
		400
Total for Gippsland District		3,020
GRAND TOTAL		58,506

R. BROUGH SMYTH,
Secretary for Mines.

Office of Mines,
Melbourne, 12th October 1871.

MINING SURVEYORS AND REGISTRARS' REPORTS.

BALLARAT MINING DISTRICT.

CENTRAL DIVISION.

Mr. Harrie Wood, Mining Registrar.

The events most worthy of remark during the quarter are, the discovery of alluvial deposits in Ballarat East, and the development of auriferous quartz reefs both at Dead Horse and Little Bendigo. The alluvial deposits are in old ground, heretofore supposed to be exhausted. Several companies, however, are now at work in this ground, with satisfactory results, and several more are sinking with a fair prospect of achieving a like success. The quartz mining at Dead Horse and Little Bendigo, thus far, is remunerative, and bids fair to be more and more important, and give employment to a large number of men.

Several of the largest claims are now worked on tribute, and this system, thus far, has been found to operate advantageously, both for owners and tributers. Among the number thus worked, either wholly or partially, are the Band of Hope and Albion Consols, the St. George and Band of Hope United, the Bonshaw, the Great Gulf, the Working Miners', the Rose Hill, the Northern Junction, and others.

Many companies work co-operatively, but the profits of such companies, whatever the profits may be, are not included in the return of dividends.

GOLD obtained from Alluvial Claims during the Quarter ending 30th September 1871.

Name of Company.	Quantity.			Name of Company.	Quantity.		
	oz.	dwt.	gr.		oz.	dwt.	gr.
Band of Hope and Albion Consols ...	9,321	16	0	No. 1 Block on the Llanberris claim ...	48	0	0
St. George and Band of Hope United ...	249	10	18	Leviathan	2,647	7	0
United Working Miners	510	3	15	Rose Hill	1,178	5	18
Bonshaw	1,221	0	0	Durham	520	0	0
Recovery	215	17	0	Emperor	27	0	0
Koh-i-noor	858	11	0	Prince Imperial	38	2	0
Hand-in-Hand and Band of Hope United	6,206	16	0	Cardigan Consols	343	14	12
Park	3,146	5	0	Go-Ahead	360	18	0
Great Gulf	451	12	12	Burra-Burra	103	15	6
Prince of Wales	3,787	16	0	Phœnix	40	0	0
Eastern Star	180	0	0	Winter's Freehold	402	15	0
Sedan	287	10	6	Co-operative Companies	4,000	0	0
Golden Gate	50	0	0				
Ah How and party	32	0	0	Total	36,228	15	15

DIVIDENDS.

Name of Company.	Amount.			Name of Company.	Amount.		
	£	s.	d.		£	s.	d.
Band and Albion Consols	8,418	15	0	Park	3,200	0	0
Hand-in-Hand and Band of Hope United...	9,600	0	0	Temperance	1,200	0	0
Prince of Wales	5,422	19	0				
				Total	£27,841	14	0

SOUTHERN DIVISION.

Mr. J. F. Coleman, Mining Registrar.

The rush to Grassy Gully is my most important item of mining news for the quarter. The depth is from 15 to 30 feet, the sinking being somewhat difficult, because of a stratum of extremely hard cement in some cases, and a loose sandy drift in others. The gold is found in fissures (locally, cracks) in the reef, which vary from four to seven inches in width. The yield is from 2 to 9 ozs. per load. At Bulldog, Nil Desperandum Hill, and Mia Mia, there is also a rush in progress. The depth is 57 feet, and the yield from 1 to 3 ozs. per load, a return esteemed excellent. During the early portion of the quarter, the Speedwell Company, Staffordshire Reef, struck very rich quartz at the 110-foot level; but later the stone obtained was very poor.

Throughout the division generally mining matters are improving.

BUNINYONG DIVISION.

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

ALLUVIAL MINING.

The yield from alluvial mines in this division during the quarter has been good, and indicates a prosperous condition of general mining. No new discoveries have been made.

The system of working mines by tribute parties is becoming more common, three mines in the division having during the quarter been added to the number worked on this system.

Very active mining operations are being carried on in the township of Buninyong by the Independent and Defiance Companies; neither have yet struck the gutter, which must be very level, and is likely to prove payable for a long distance; the present course is trending towards Mount Buninyong.

Kitty's still yields well; and the shallow workings are in general good.

The South Durham has again been taken up to its junction with the Main Durham Lead, the yields from the upper portion having been good.

The following is a return of gold obtained from the managers of some of the principal mines (alluvial) in the division, together with as near an approximate as I can arrive at of gold obtained from other sources :—

	ozs.
Independent Company, Glenco	450
Victoria Company, Union Jack	421
John Bull, Durham	80
Garibaldi, Durham	259
Duke of Cornwall, Durham	100
Perseverance Company, Durham	300
Speculator Company, Winter's Flat	200
Small Companies	500
Kitty's rush and shallow workings, &c.	720

QUARTZ MINING.

A very good prospect has been obtained from the Gympie Reef, at Napoleon, giving an impetus to prospecting in this branch of mining in this locality.

The quartz from the Tower Hill Company's claim has lately improved.

The average yield for this division is as usual very low, being 3 dwts. 3·95 grs. per ton, while some of the quartz crushed is under 2 dwts.; even this affords working expenses, and when so small a yield per ton can be made to cover the outlay necessary, there is every probability of more attention being paid in future to the quartz reefs of this division, many being known to exist that will yield more than the abovenamed average.

There is no water sold for mining purposes in this division.

SMYTHESDALE DIVISION.

Mr. John Lynch, Mining Surveyor and Registrar.

The total yield during the quarter was 17,762 ozs. 5 dwts., being 3,849 ozs. less than that of the previous quarter. The decrease is attributable to the extinction of the Golden Horn at Piggoreet, which has been worked out. Along the Main Lead, and its tributaries, there are some excellent claims, the most prosperous being the Golden Stream, Golden Lake, and Galatea. A little further south the Grand Trunk is giving some evidences of improvement, but beyond this, to the extremity of the division, all is expectation, there being no claims bottomed there. The mines at Haddon are turning out very well, although not yet to the extent of which they are capable. The conditions under which work in the Reform have had to be hitherto conducted have been very unfavorable, and, as a consequence, the returns, from the mine have been seriously affected, but as the difficulties of working will be continually lessening a corresponding increase in the returns may be reasonably expected. Prospecting ahead is going on with commendable activity in this part of the district. Carngham still creditably maintains its old reputation for productiveness, especially Bottle Hill, which is as prosperous as ever. There is nothing particular to report as regards Lintons and Happy Valley. At Smythesdale and Browns surfacing seems to be in good repute. The Smythesdale Sluicing Company, whose works I described in my last report, have had two washings lately, which have given very much satisfaction. At Browns also there are some very good surfacing claims. The want of a full and regular supply of water will, however, always act here as a serious drawback to the success of this branch of mining. The machinery claims on the Old Deep Lead, Smythesdale, are going on steadily; the most advanced of them are meeting with occasional interruptions from sudden and overpowering rushes of water from the old workings. In quartz mining nothing has been done during the quarter, this branch of mining being more disregarded than ever.

The yield from the principal mines are—

	oz.	dwt.
Golden Stream	3,112	0
Galatea	1,917	14
Golden Lake	1,893	3
Reform	1,650	1
Haddon	1,397	0
Bute	548	5
Little Stream	196	10
Golden Horn	183	11

CRESWICK DIVISION.

Mr. James Stevenson, Mining Surveyor and Registrar.

I have the honor to report that the yields from the alluvial mines still continue small. The Australasian Company has not yet re-commenced washing, but will, I hope, do so shortly. The Cosmopolitan Company have obtained a favorable prospect in their mine.

The Clunes quartz reefs are, however, progressing favorably; the average is improving, and the yield for the quarter is considerably in excess of that obtained last quarter.

The yield of the principal alluvial mines is as follows, viz. :—

	oz.	dwt.	gr.
Lothair, Clunes	96	19	23
Hit-or-Miss	78	11	0
Golden Point	141	7	0
Royal Standard	231	12	0
Key	142	12	0

Water is let at the following rates :—Clunes Consols Company, water pumped from shaft to the New North Clunes Company at £20 per month; the Creswick Borough Council, about half a sluice a head, £30 per annum; Licenses No. 2 and 12 Back Creek, at £240 per annum; Humbug Hill Sluicing Company at £2 10s. per sluice-head per week.

GORDON SUBDIVISION.

Mr. Thomas Cowan, Mining Surveyor and Registrar.

ALLUVIAL MINING.

There is nothing new to report in alluvial mining this quarter. The Bonshaw Company are still engaged in sinking, and are now down 260 feet. It seems likely that this company will prove the existence of a lead.

QUARTZ MINING.

Very little progress has been made in quartz mining in this district, the only improvement to notice being the improved yields of the Black Horse Company from the last two crushings, 210 tons giving a yield of 268 ozs. 19 dwt. The company is sanguine that it will again take a prominent position among the dividend paying mines of the district.

The yield of gold from the Egerton Company's mine is still satisfactory, and as quartz has been proved to a depth of 600 feet, it is likely to be for a long period one of the best paying mines in the district. Quartz mining in the neighborhood of Gordon is almost at a standstill; the residents, however, have faith in the district. A few claims have lately been taken up through the discovery of what is believed to be a continuation of the Kangaroo Bob Reef, and from which good returns are anticipated. Ryland and party are now engaged in prospecting the mine of the Kangaroo Bob Company; they are driving in the 230-foot level, and are daily expecting to cut the lode. The claims situate to the south and east of Morrow's pre-emptive right are still working, but they have not proved so remunerative as was anticipated when they first commenced work.

STEIGLITZ SUBDIVISION.

Mr. O. W. Collins, Mining Registrar.

A marked improvement in mining matters in this division may be recorded during the past quarter.

Several new reefs have been discovered from which payable returns have been obtained, and which promise well for the future. Old reefs (for a long time abandoned) have been re-occupied, sunk deeper and driven on, and in nearly all cases the prospects exceed anticipations. The other working claims still maintain their average in the yield of gold and size of lode.

From the Tam o'Shanter Company's claim a crushing of 50 tons yielded 155 ozs. of gold; the thickness of the vein at the lowest depth (150 feet) is 12 inches, with gold throughout the stone.

From the A 1 Reef, two crushings have taken place. The first of 50 tons gave a return of 302 ozs.; the second of 20 tons, 80 ozs. In the latter case a portion only of the quartz on the machine floor was crushed, owing to an accident to the machinery, but this result may be taken as a fair average of the total amount. This claim may justly be considered the richest in the division, from the richness of the vein and its permanent thickness. At the lowest depth it is 3 feet wide, and appears far richer than any yet crushed from there. It still keeps its eccentric E. and W. course and dip south.

From the Britannia Company's claim, 40 tons of quartz crushed yielded 71 ozs. This company, in sinking a new air shaft S. and E. of their present main shaft, struck a vein bearing gold, the vein about 8 inches in thickness.

A crushing from the Hit-or-Miss Company's claim, Yankee Reef (for a long time abandoned) gave 28 ozs. of gold. Equally rich stone is still being raised. The vein averages 8 inches in thickness.

A trial crushing of 2½ tons from the East Albion Claim yielded 75½ ozs. of gold. A new shaft has been sunk, and at 70 feet in depth the vein is 9 inches in thickness, and shows gold throughout.

The Mickey Free Company from a crushing of 51 tons obtained 18 ozs. 13 dwts. The next crushing is expected to give a far better return, as the vein is larger, better defined, and freer from mullock than where at first operated on.

A crushing from the Brazilian Reef of 10 tons yielded 7 ozs. The vein there is 9 inches in thickness. This was a trial crushing and considered very satisfactory.

From the Hanover Reef, 51 tons of quartz, mullock, &c., crushed, gave a return of 13 ozs. 9 dwts.

The returns from the Albion Quartz Mining Company's claim of quartz, &c., crushed, and gold obtained therefrom, are 1,258 tons crushed (of which one-third was mullock) for 471 ozs. of gold. At the lowest level (855 feet deep) there is coarse gold in the stone, with vein 3 feet thick. Better returns may be expected.

Several other reefs are being worked, from which good returns may be expected, viz., the Dundee, Eton, Band of Hope, and Scotchman's. In the last mentioned, about 30 tons are already raised, and some of the stone is remarkably rich. The size of the vein is 18 inches, with very coarse gold.

In the neighborhood of Stony Rises and Mount Doran there is nothing new to report. The reefs mentioned in the last report are doing but poorly. Most of them are waiting for the completing of the erection of the Glencoe crushing plant. Two or three new reefs have been opened about Mount Doran, showing gold, but not sufficiently rich to induce miners to prospect them, except near the surface.

In alluvial mining on Morrison's, Dolly's Creek, and Stony Rises, I have nothing new to report. The returns for the quarter are about the usual average.

BLACKWOOD DIVISION AND BLUE MOUNTAIN SOUTH SUBDIVISION.

Mr. John F. Hansen, Mining Registrar.

Quartz Mining.

The discovery of a new reef at the beginning of the quarter caused some considerable excitement among the inhabitants of Ballan and its vicinity. The reef alluded to is situated about eight miles south-west of Blackwood, and about six miles north of Ballan, near Blake's sawmill, on the Korweingerboorer Creek. The character of the land is schist, intersected by quartz reefs; there is also a slight overlay of volcanic soil. Seven claims, comprising an area of 9,600 feet, on the supposed line of reef, have been applied for and registered. The reef has been named Brown's Reef by the prospectors; and there are about fifty miners at present working and prospecting the reef and its neighborhood. The prospectors are the only party who have struck gold bearing quartz. The gold, although fine, is well distributed through the stone, and excellent prospects have been, and are still being, obtained. I have been given to understand that arrangements have been made for procuring and erecting machinery for crushing purposes; and it is confidently expected that the reef will prove remunerative.

A portion of the ground lately held by the All Nations Company, on the Manheim Reef, has been taken up by a party of six co-operative miners, and the small engine and battery owned by the former company have been purchased by them. The reef having an underlay to the east of about one in two, a new shaft has been sunk lower down the hill, and, at a depth of 60 feet, a very promising gold bearing reef has been struck. Drives are being carried on at this level north and south. About 60 tons have already gone through the mill, and it is expected that the cleaning up will take place during the week. From the appearance of the plates, over half an ounce of gold per ton is expected.

Simmons' Reef.—The Imperial Company having been unable, through the breakage of their dam, to obtain a sufficient supply of water from the Back Creek to drive their water-wheel, are now cutting a race about seven miles long to divert the waters of the Upper Lerderderg for that purpose.

The Kent (late Achilles) Company have let their mine on tribute. They have been bailing for the last four weeks with an engine and a horse whim, and the water has been reduced twenty-five feet below the water-level. They will have to reduce it a further depth of fifteen feet before they reach the level where they intend to open out.

I have nothing of importance to report from the other portions of the district. Very little has been done on the Snake Gully line of reef. The Garibaldi and Yankee Reefs are completely at a standstill, and very little work has been done on the new reef at the head of Goodman's Creek.

Alluvial Mining.

The majority of the miners previously engaged at the tunnel claims, Upper Werribee, are now located about Brown's Reef. The workings of the Camp Reserve, Blackwood, are being sluiced, and one party so engaged has averaged about £1 sterling per day each man. There is an abundance of water, and sluicing is going on very extensively. The returns, however, in the majority of instances, are far below wages.

BEECHWORTH MINING DISTRICT.

BEECHWORTH DIVISION.

Mr. Alexander Alderdice, Mining Registrar.

At no time for many years past has mining been so dull as during the quarter just ended. Sluicing was almost at a standstill until the recent rains gave a moderate supply of water; but as the warm season is approacing, it is thought that the supply will not keep up unless supplemented by more showers.

Quartz mining seems almost to be abandoned in this division, the only reefs at work being those in the vicinity of Hurdle Flat, the returns from which are remunerative. Quartz miners say that it requires capital to test the reefs at greater depths, as has been done in other districts, and no doubt good results would be obtained. Unless capitalists can be induced to try the reefs here, quartz mining as a branch of industry must soon cease; for the usual plan has been to work a reef until it ceased to pay wages, then give it up and find another, and so on. No attempt has yet been made to follow the reefs to great depths, with the exception of two instances—that of the Excelsior Reef, at Wooragee, to 300 feet, and the Homeward-bound Reef, at Rocky Point, to 400 feet. Both these have paid well all through, but both are now at a standstill on account of their last crushings not being so good as formerly, and the proprietors not being wealthy enough to continue working until the gold "makes" in the reef again. These instances prove that the reefs in this division are worthy of trial at greater depths than has yet been gone to.

INDIGO DIVISION.

Mr. R. Arrowsmith, Mining Surveyor and Registrar.

There is nothing of importance to report in respect to mining in this division. The few quartz reefs in occupation continue to yield remunerative returns to the miners who steadily pursue this branch of mining industry.

The alluvial claim of the Sons and Doma Consols Company, Chiltern Lead, is now sufficiently opened up to give employment to 155 men. Blocking out operations are progressing favorably, the chief difficulty to contend against is the large quantity of water; but as the ground is being opened up by cross drives, &c., it may be anticipated there will shortly be no more water than will absolutely be required for washing and sluicing purposes.

The Glencoe Junction Company have obtained very satisfactory prospects, the blocking out has resulted in 260 ozs. of gold being obtained with four picks constantly at work. The average returns are about 16 ozs. per week to each pick. The depth of alluvium is 280 feet, and the height of washdirt 6 feet; it is said 400 feet in width have been driven through. Sixty men are now constantly employed.

BUCKLAND DIVISION.

Mr. Lewis C. Kinchela, Mining Registrar.

I regret to say that little improvement in mining affairs has taken place within this division for the quarter now terminated, and that any matters of public interest connected with that industry may be comprised in very few sentences.

Two companies which employ much labor—the Happy Valley Company and the United Miners Company—still continue to yield well, and when some necessary outlay is incurred upon the claim of the former company, a continuance of prosperity may be confidently anticipated for both.

The tunnel of the Alta and Nelson Company, Buckland, will, in all probability, be completed within the ensuing six weeks.

A transaction, fraught with importance to quartz mining in this district, has this day been completed, viz., the union under one proprietary of the locally well-known Oriental and Australasia reefs, as I am informed; one-fourth of the interests are held in Bright, while the remainder of the shares are held by Sandhurst men, who express their intention of testing, by means of a deep shaft, the question of payable gold existing at a lower level than it has hitherto been found here. I may add that the lowest workings in these reefs are fully 1,000 feet above the workings of the Canton Reef, situated not above one mile from them in a northerly direction.

Several new reefs have, as usual, been registered during the quarter, but none seem worth any special notice excepting the Homeward Bound Reef, situated at Smoko Creek, Ovens River, which was lately discovered by Messrs. W. Jones and O'Grady, and which I am led to believe will prove a really valuable discovery.

In alluvial shallow mining the most noticeable fact is the discovery of a limited patch of ground upon the Upper Buckland, in a gully running from the Ellerslie Reef. There is only room for four mens' claims, but there are so very many apparently similarly circumstanced gullies in this division that in all likelihood, upon being prospected, equally satisfactory results will accrue. It is reported the ground above referred to is paying £2 per man per day, but I do not vouch for that statement being accurate.

The Phœnix Deep Lead Prospecting Claim, at Harrietville, having erected their new plant, have commenced sinking, and are now down about 50 feet. They expect to bottom, if no unforeseen accident intervenes, within the next two months.

A prospecting boring company has been floated here, with a view of testing the existence of deep leads in this locality, and it is reported that operations will be commenced between Bright and Porepunkah within the next ten days.

My impresssion is that, from the foregoing causes, and likewise from circumstances of a trivial though significant nature, mining in this district will be much improved in the ensuing three months.

Water sold in the Buckland Mining Division for quarter ending 30th September 1871:—

No. of heads	15
Average cost ,, ...	12s. 6d. per. head.

ALEXANDRA SUBDIVISION.

Mr. R. A. F. Murray, Mining Surveyor and Registrar.

Alluvial Mining.

With the exception of having obtained good prospects in the second prospecting bore put down on the U T Flat, no new feature in alluvial mining has arisen since my last quarterly report. In connection with this, I give herewith the strata cut in the two bores, the first being the more northerley, and bottomed shallow:—

No. 1 Bore.

	Feet.
Surface soil, brown loam	5
White sandy clay, with gravel	11
Brown clay, with gravel	20
Gravel, much waterworn	4
Red clay and gravel	40
Black clay, no gravel	12
Black sandy clay, no gravel	6
Red sandy clay and gravel	33
Light-brown sand drift	1
White pipe clay	1
Total depth to bed-rock	133 ft.

No. 2 Bore.

	Feet.
Commenced in old shaft sunk to a depth of } Material cut, unascertained ... ... }	63
Red clay and sand	40
Brown clay and ironstone gravel	5
Brown clay and ironstone, with boulders ...	10
Black clay	1
Red gravel	0¾
Dark-brown clay	4
Black clay	6
Brown clay	2
Brown clay, red seams	1½
Gravel drift	6
Dark-brown clay	6
Black clay	1
Wash-dirt, containing gold	3
Total depth	148¾ ft.

It will be observed that there is a marked change in the stratification, although the distance between them is of small extent. The prospects obtained have been of such an encouraging character that the machinery for working this ground, already on it, will be erected forthwith, and a working shaft simultaneously proceeded with. The whole of the ground extending towards the Goulburn River, and about two miles easterly from the prospector's holding, has been again taken up under the frontage bye-laws, and there can be no doubt that ere the year expires several companies will have commenced operations on this new field opened up to the miners.

With regard to the Royal Standard Lead, the mine which claims precedence on that lead, from the number of men and machinery employed thereon, viz., the Apsley Company, has, since my last report, broken through into the main lead traversing the Robinson Crusoe Gully, and has obtained, as far as I have been able to ascertain, satisfactory results. Returns, however, I have not obtained from either of the claims on this lead. The Oberon Company have been engaged erecting puddling machines, &c., and have commenced active mining operations, which have not yet sufficiently advanced to obtain washdirt. The returns from the Working Miners' Lead, owing to an injunction on the Working Miners' Claim, and the Gobur Company having again lost their shaft, have been of a limited character. Prospecting operations still continue to be carried on for ascertaining the lead supposed to traverse the valley of Spring Creek; and the tributary lead in Durham Gully, known as the Tritton, has again assumed a more important character, and a number of claims have been re-taken up, the results obtained in the new gutter having given over 1 oz. of gold to the load of washdirt, and is spoken of by the miners as being of a more defined character than those previously worked. Growler's Gully, the Hit-or-Miss Lead, Merton, and the workings of Dry Creek, are all confined to the old workings, no new discoveries having arisen during the quarter. Prospecting operations have been proceeding for the last three months on a creek known as the Brilliant, a tributary of the Home Creek. Two shafts have been bottomed, and in both instances shallow. The prospectors have, however, started a third, and have every confidence that the shaft now in progress will reach the deep ground, and that their labor will be amply repaid.

Quartz Mining.

There has been no change of any importance in quartz mining during the present quarter. The Mysterious Company have been sinking their main shaft, but have not yet reached the depth at which they expect to cut the reef, and those on the Luckie line of reef are in a progressive state. The Consolation Company at Maindample have not yet raised any stone during the quarter, their machine has consequently been idle. The Bryant's Creek Company there have, however, raised and crushed several parcels of stone, the results of which I have been unable to ascertain, owing to the absence of the manager on my late visit there. The All Nations Company at Hayfield have been engaged for some months sinking a shaft to cut the reef at the 200-foot level. This shaft is nearly down, and it is expected the claim will again soon be in a condition to send quartz to the mill.

DRY CREEK SUBDIVISION.

Mr. R. Pemberton, Mining Registrar.

I have nothing of any importance or interest to report, there having been no new discovery made. I may however mention, that there are three sluice-heads of water used per day, and the price paid for the same is £5 per week.

GAFFNEY'S CREEK SUBDIVISION.

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

In alluvial mining this subdivision makes little progress, though from two to three late finds it would appear that the Bank claims are likely to be more valuable in this subdivision than had been hitherto anticipated.

In quartz mining the erection of a new battery for the Victoria Claim, by Messrs. Blair and Kennedy, has added improved machinery, and seven additional stampheads to the crushing power of the district. The battery works well, and the mine has been let on a sliding-scale of tribute, while the proprieters have also let a contract for a tunnel—now in 80 feet nearly—which will strike the reef a little above creek level in 460 feet, giving about 300 feet backs. The Rose of Denmark Company's new management have made a very successful start, and there is good reason to anticipate that in a few months this mine will again give handsome and regular yields. The A Company are preparing to crush at the Castle Company's mill—that is, by water—stone hitherto cast aside as mullock, and which it is believed is likely to yield payable returns.

The Lauraville Company have hardly opened out as yet, but will have crushings shortly.

Altogether the prospects of the quartz mines in this subdivision have materially improved during the past quarter. No new discoveries have been made.

Average quantity of water sold per diem—Nil.

Price per sluicehead, when sold—say 10s.

WOOD'S POINT SUBDIVISION.

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

I have no new discoveries to record in this subdivision.

The yield of quartz gold for the past quarter is above the average of the last three years, and, despite the floods, the alluvial miners have obtained a fair quantity—from bank claims chiefly. There is a falling off in the produce of the Morning Star Reef, for which the Hope mine is partly answerable; and it is becoming more evident daily that it is only by enlarging the area from which it derives its business and profits that the commercial interest of Wood's Point can maintain itself. The Hope Company discharged twenty-three men on the 23rd, and has, since then (30th September), discharged ten more; the first reduction of labor was due to the poor appearance of the face of their workings on the middle and new reef, the last to the great quantity of surface water, due to heavy rains, which made it impossible for them with present appliances to continue sinking their deep prospecting shaft. I forward herewith a plan with sections of the claim from my surveys, which I think gives a comprehensive idea of the Hope Reefs, and the manner they are being worked, and also of the permanency for many long years of this mine, should the reefs prove payable below their present main level. It will be seen that the blind deep shaft above referred to is now 99 feet below their lowest level, and in all probability the reef known as the Bore Reef will be struck within 20 feet more. Next to the Hope mine the Sir John Franklyn shows the highest average for the quarter, namely, 11 dwts. 0·23 grs. The New All Nations Company's crushings, owing to a fall of stuff in the mine, have not been as rich as usual; but better yields are anticipated shortly.

Average quantity of water sold per diem.—Six (6) sluice-heads: price per sluice-head, ranging from 10s. to 20s.

BIG RIVER SUBDIVISION.

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

I have to record in alluvial mining the finding of a handsome nugget by Thos. Davis, in Specimen Creek, a tributary of the Big River, south of Enoch's Point. Its gross weight was 86 ozs., reduced, after smelting, to 65 ozs. The lately opened-up tributary of the Jerusalem, known as Wilson's Creek, has given payable returns, and is now occupied by about seventy-five miners. Two veins of quartz have been struck, but, so far, little prospected. Ninety-five alluvial and seven quartz claims were registered during the quarter, one-half of which remain unworked or have been abandoned. In other parts of the subdivision little is doing in alluvial mining.

In quartz mining the Luck's All tributers continue to obtain very handsome yields; and a washing up of some 250 tons is now pending, from which no less than 700 or 800 ozs. are expected; the mine therefore is looking well.

The Maid of Erin has been again abandoned, owing to the poor yields obtained.

The Londonderry Company and the Retriever have had fair average crushings; and, in connection therewith, I may mention that Mr. A. K. Smith is preparing to shift his battery higher up the creek, in which case it will be both more accessible to the claims crushing there at present and available for the ground now being opened up.

Mining generally, especially quartz mining, is looking up in this subdivision.

I hear of only one case of water now being sold on the Big River. Approximate quantity delivered—two sluice-heads; price per sluice-head, 5s.

JAMIESON SUBDIVISION.

Mr. H. C. Geneste, Mining Registrar.

There is little to report this quarter, beyond the information contained in my tabulated statements.

In alluvial mining the yield has been almost identical with that of last quarter, 1104 ozs. as against 1100 ozs.; but from quartz mines the yield has been very small, owing to the fact that many companies are engaged in opening out their ground, and other dead work. The present decrease of quartz gold will, however, it is expected, be more than made up next quarter, as several companies are now washing up, and others will shortly commence crushing.

The only company which can be said to have fairly opened out their ground (Gleeson's Lease Company) have now got the reef 10 feet thick in the lower tunnel, and are driving along it before stoping out. They will shortly have a crushing of from 800 to 1000 tons. A former crushing of a small lot of stone from the same level yielded 1 oz. 2 dwts. to the ton.

Belle of Venicia.—The first crushing from this reef, which is given in my tabulated return, did not equal expectations, owing, it is stated, to some defect in the erection of the machinery. Another crushing is now being made, the return from which will be recorded in my next report.

Richardson's Reef.—This mine has lately changed hands, and the present proprietors are about to have a trial crushing of 50 tons. Considerable interest is felt in the result, as this is the first of a class of mines known in the district as "granite reefs," which has yet been discovered in the neighborhood of Jamieson. Should this mine yield well, a great impetus will be given to prospecting.

The Augusta.—The ground lately held by this company has been taken up by a new company, who are opening the reef in a fresh part of the ground, and from the appearance of the stone good returns are expected. A crushing is now being taken out, the result of which will appear in my next report.

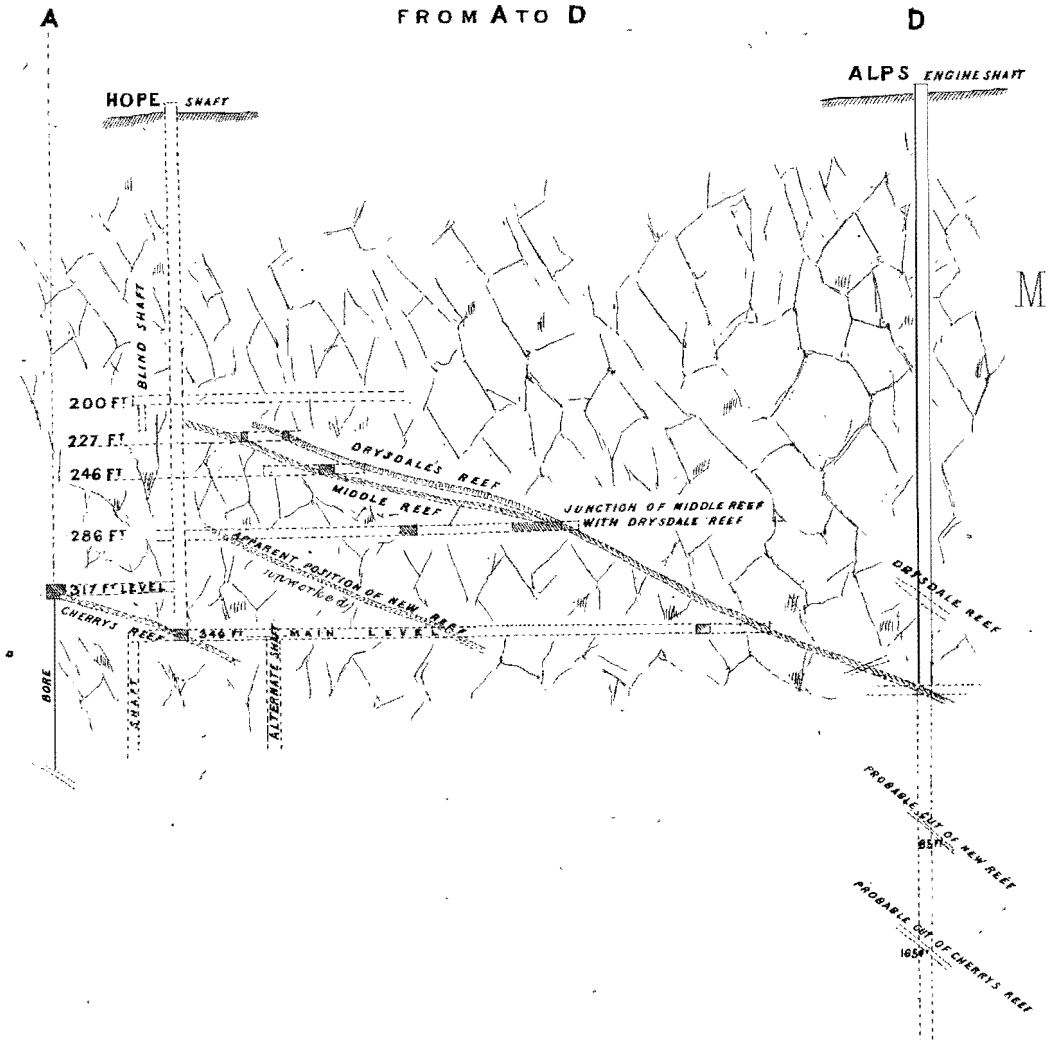
PLANS AND SECTIONS
OF
HOPE REEFS
MORNING STAR DYKE — WOODSPOINT

SCALE

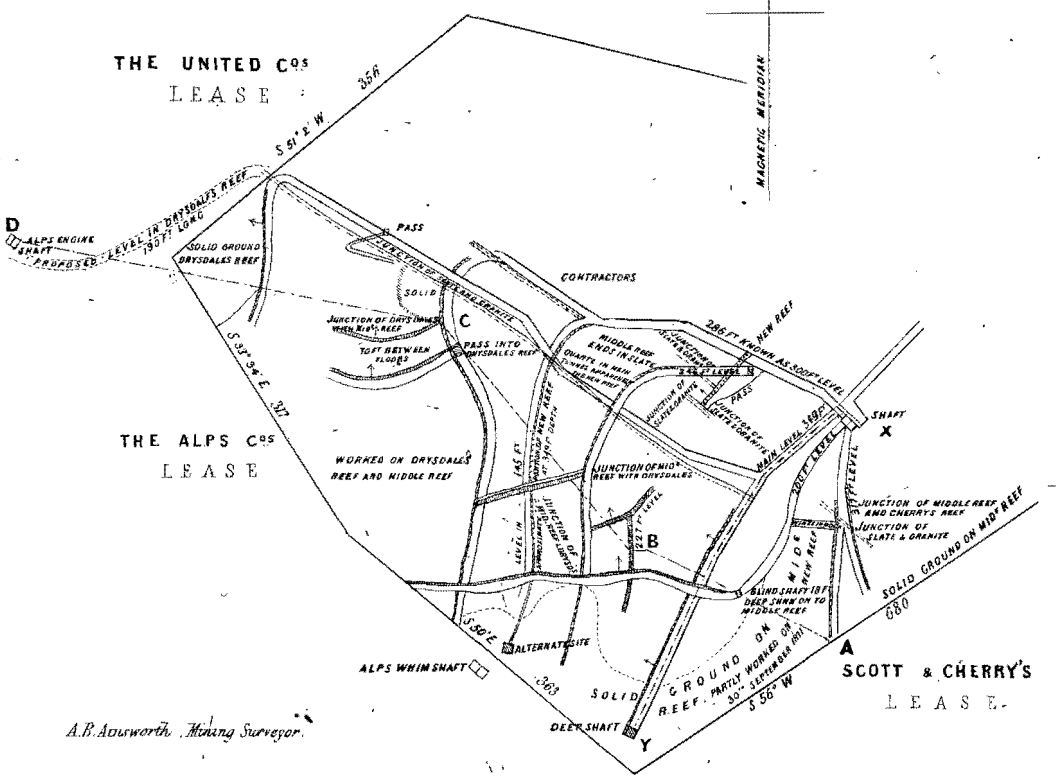
50 0 100 200 300 ft

NOTE. CHERRY'S REEF SHEWN THUS
DRYSDALE'S D°
MIDDLE D°
NEW D°

SECTION ALONG COURSE OF DYKE FROM A TO D

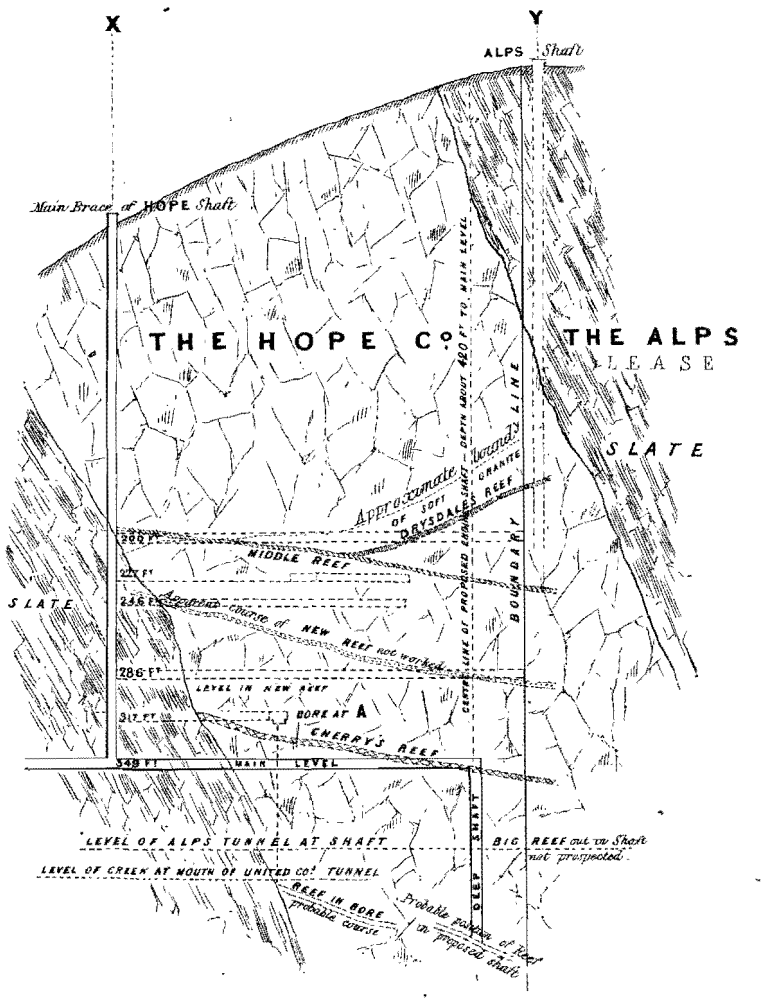


PLAN



A.B. Ainsworth, Mining Surveyor.

SECTION ACROSS DYKE FROM X TO Y



SANDHURST MINING DISTRICT.

SANDHURST DIVISION.

Mr. N. G. Stephens, Mining Registrar.

I have the honor to report that mining operations in this division have extended very much during the past quarter. An immense quantity of new ground has been taken up, and claims that have been abandoned are eagerly sought after.

The yield of gold from quartz crushed is above the average.

The prospects of those who have taken up new ground are very encouraging.

More drainage machines are required on various reefs, and in all probability the present crushing machinery will shortly be found quite inadequate for the requirements of the district.

The reefs in Golden Gully, Spring Gully, Milkmaid's Flat, and Big Hill, have attracted considerable attention, and mining is reviving at Shelbourne, but the greatest excitement has been caused by the discovery of a very rich reef at the Whipstick by an alluvial miner. Already a great many claims have been marked out, and quite a rush has taken place there. In alluvial mining there is nothing worthy of note.

Information respecting some of the quartz crushed during the past quarter:—

Name of Company.	Name of Reef.	Tons.	Total Yield of Gold.	Average per Ton.	Depth at which the Quartz was obtained.	Original Water-level.	Width of Reef, &c.
			oz. dwt. gr.	oz. dwt. gr.		feet.	
North Garden Gully ..	Garden Gully ..	2,003	5,428 5 0	2 14 4·82	308 feet	..	3 to 7 feet
Unity	Garden Gully ..	873	2,039 3 12	2 6 17·19	356 feet	..	3 to 7 feet
Bell and Watson ..	Garden Gully ..	500	262 14 0	0 10 12·19	290 feet	140	3 feet
Carlisle	Garden Gully ..	1,219	2,202 17 0	1 16 3·40	300 feet	100	5 feet
Pandora	Garden Gully ..	1,267	2,037 0 0	1 12 3·71	246 feet	130	3 to 6 feet
Bonati and Co.	New-chum ..	1,040	462 10 0	0 8 21·46	350 to 410 feet ..	..	30 feet of spurs
Young Chum	New-chum ..	1,281	633 18 0	0 9 21·52	310 feet	150	14 feet
Ellesmere	New-chum ..	1,869	783 17 0	0 8 9·30	270 to 350 feet ..	48	3 to 10 feet
North Albion	Bird's	1,545	591 12 0	0 7 15·79	..	..	Over 36 feet
White's Freehold, No. 2 ..	Bird's	940	506 2 0	0 10 18·43			
White's Freehold, No. 1 ..	Bird's	414	123 11 0	0 5 23·24			
Bendigo and Melbourne ..	Bird's	1,426	620 3 0	0 8 16·74	200 feet	50	17 feet
Great Extended Hustler's	Hustler's	4,786	3,551 9 0	0 14 20·18	450 to 600 feet ..	90	25 feet
Alpine	Perfect Cure ..	415	443 10 0	1 1 8·96			
Albert	Stafford	146	227 0 18	1 11 2·42	250 to 275 feet ..	175	1 foot
Wm. Rae	Victoria	963	284 5 0	0 5 21·68	150 feet	..	30 feet of spurs
Collmann and Tacchi's ..	Wetheral	1,525	1,247 1 0	0 16 8·51	Between 646 & 720 ft.	90	2 feet 6 inches, dips north 1 in 6 Engine shaft 748 feet deep, and still sinking
Johnson's Reef	Johnson's	1,934	532 0 0	0 5 12·03	180 to 375 feet ..	..	6 inches to 2 feet
Argus	Eagle, Eaglehawk ..	921	409 8 12	0 8 21·38	300 to 420 feet ..	170	2 inches to 2 feet
New Moon	Moon, Eaglehawk ..	3,703	1,337 10 12	0 7 5·37	220 feet	150	100 feet
Prince of Wales	Prince of Wales, E.H.	650	139 15 12	0 4 7·21	100 feet	160	About 4 feet—spurs
Nil Desperandum ..	Raywood	900	212 10 0	0 4 17·33	130 feet	150	12 feet
Frederick the Great ..	Sebastian	2,649	4,279 13 0	1 12 7·47	300 feet	151	45 feet
Great Britain	Prince Alfred and Caledonia, Golden Square	2,354	707 6 6	0 6 0·22	190 to 202 feet ..	120	30 to 60 feet
		35,323	29,063 2 0	0 16 10·93			
Pyrites.							
Pioneer Crushing ..	Perseverance ..	350	911 16 0	2 12 2·46	Obtained by means of reverberatory furnace.		
Great Extended Hustler's	Hustler's	57	142 4 0	2 9 21.47	Obtained by means of reverberatory furnace.		
South Alliance	Caledonia	11	26 7 12	2 7 22·90	Obtained by means of reverberatory furnace.		
Ellesmere	New-chum ..	6	19 4 0	3 4 0	Obtained by means of reverberatory furnace. Blanketings.		
Beehive	Devonshire ..	3	4 10 0	1 10 0	Obtained by means of revolving barrels.		
		427	1,104 1 12	2 11 17·11			

KILMORE DIVISION.

Mr. James W. Osborn, Mining Registrar.

The Leaseholders of the Providence Claim, Yea, have had an excellent crushing, and the two claims north have been taken up and registered by a party of 11 miners. Quartz mining at Reedy Creek is dull. The Landgridge Company has been re-organized, and has again commenced work. Chapman and Russell have a crushing nearly ready.

Two claims are at work on the old Tonstal lease, but no crushings to report.

At Sunday Creek, Ryan and Co., Tobin and Co., and Tollitt and Co., are at work. The Perseverance Antimony and Gold Mining Company (registered), after carrying on operations for three months, wound up, the water being so excessive. In alluvial mining no new ground has been found. The old is still being worked both by European and Chinese, but bare returns are the result.

HEATHCOTE DIVISION AND WARANGA SOUTH SUBDIVISION.

Mr. J. T. Strong, Mining Surveyor and Registrar.

During the last quarter there has been a little more animation in mining matters in the Heathcote portion of my district. The ground held by Parker Brothers, under lease, near the Wild Duck Creek, is exhibiting encouraging prospects; it is now in the hands of a company.

A new reef has been discovered since my last report; it is situated on the south side of the Heathcote and Kyneton road, about two miles from Heathcote; the reef is about 2 feet thick, the strike is north-westerly, and the under-lie to the east. About 100 tons have been crushed with encouraging results. I have nothing of any importance to report with reference to any other part of my division.

WARANGA NORTH SUBDIVISION.

Mr. Henry B. Pitman, Mining Registrar.

There has been no change during the last quarter. A few alluvial rushes have taken place, but no lead has been discovered; and, with the exception of a few holes in the immediate neighborhood of the prospectors, no gold has been found.

Many of the quartz mills have been idle part of the time from want of water. I have no return from the Perseverance Company, Rushworth.

MARYBOROUGH MINING DISTRICT.

MARYBOROUGH DIVISION.

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

Alluvial Mining.

The chief number of the mines at the Alma, Chinaman's Flat, and Majorca, are still only in the progressive stage. The great want at Majorca, for years past, has been heavy machinery to contend with water in the deep ground. This want, however, is now being gradually supplied; and the splendid prospects which have recently been obtained from the Reliance and Kong Meng claims, at the north end of Majorca lead, and also from the Enterprise claim, at the south end of it, afford great encouragement to hope that the deep ground there will now be successfully developed. A remarkable feature in the Carisbrook and Majorca leads, is the abundance of fine gold which is found in them. The value of this description of gold which is contained in the sludge, derived from several of the claims on those leads, may be partially estimated from the following facts:—The Phœnix Company, Carisbrook, recently sold to a party of Chinese the sole right to their sludge, for a period of one year, for the sum of £1,000. The Dan. O'Connell Company, Carisbrook, and the Enterprise Company, Maiden Hill, have also each sold a similar right, on the same terms, for £270 and £750.

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

	ozs.	dwts.	grs.		ozs.	dwts.	grs.
Band of Hope, Chinaman's Flat ...	2,172	0	0	Phœnix, Carisbrook	710	10	0
Alma Consols, Alma	1,452	3	0	Cosmos, Majorca	211	0	0
Seaham, Alma	1,366	15	0	Reform, Majorca	122	10	0
Golden Gate, Alma	777	15	0	Britannia, Craigie	65	15	0
Havelock, Havelock	144	4	12	Northern Light, Majorca	120	0	0
Kong Meng, Majorca	133	7	16	Morning Light, Majorca	58	0	0
Phœnix, Majorca	85	0	0				
United Kingdom, Gibraltar ...	107	15	0	Total	7,526	15	4

Dividends as under have been paid during the quarter by the companies named:—

	£	s.	d.
Band of Hope	2,550	0	0
Alma Consols	2,400	0	0
Seaham	1,200	0	0
Golden Gate	943	10	1
	£7,093	10	1

Quartz Mining.

There has been a considerable falling off in the returns of gold from quartz during the quarter, mainly in consequence of the stoppage of several of the crushing machines. The North German Company are about to be reorganized. They propose to sink the shaft on the Leviathan Reef 100 feet beyond the present depth. The Bristol Hill Company have sunk their eastern shaft to a depth of 284 feet. Two reefs were discovered in the cross-cut from east to west, averaging in thickness 8 feet. The Mariners' Reef Company are now preparing to cut down their engine shaft to a depth of 1000 feet. The Telegraph Reef, situated between Maryborough and Carisbrook, is at present yielding most satisfactory returns. There are five claims on this reef, which is 18 inches thick; the depth of sinking is 160 feet, and the average yield of gold is 15 dwts. per ton.

AMHERST DIVISION.

Mr. Joseph Smith, Mining Surveyor and Registrar.

Quartz Mining.

Deed's claim, on Prince Alfred Reef, keeps up its extraordinary rate of yield, the last quarter giving nearly 10½ ozs. to the ton; but the lode is only about 10 inches in thickness, and very difficult to extract from the mine.

The Forbach Company, on White Horse Reef, are now nearly ready to commence quartz mining at a depth of 270 feet, from which they will have a great quantity to stope out between that and the surface. The stone in this locality formerly paid good dividends.

The yields of the remaining lodes are nothing very bright; but, under ordinary circumstances, 5 dwts. to a ton gives handsome wages to the people employed.

Alluvial Mining.

There is a falling off in the numbers employed, and also the total yield of gold during the quarter; this is owing to our shallow old workings being nearly exhausted, which will not give a living except for sluicing with hose and a high pressure of water; therefore, all those miners who have been in a position to move have departed for other gold-fields, those left behind being, for the most part, married men with families, and who have blocks of ground under the recent Land Acts.

The deep mines have not, as a rule, produced so much gold as formerly. The mines which are let on tribute being fixed at so high a rate that the operators can barely make a living, which has been the cause of several of the parties suspending operations with the view of getting the tribute money reduced, and has had a prejudicial effect on the yield of gold in the division.

The following is a statement of the gold obtained from some of the principal mines in the division during the quarter, viz.:—

	Ozs.	dwts.
Sadowa	934	6
Nichol's Freehold	659	8
Band of Hope, Cockatoo...	542	15
Brunswick, ditto	466	0
Union Company	358	5

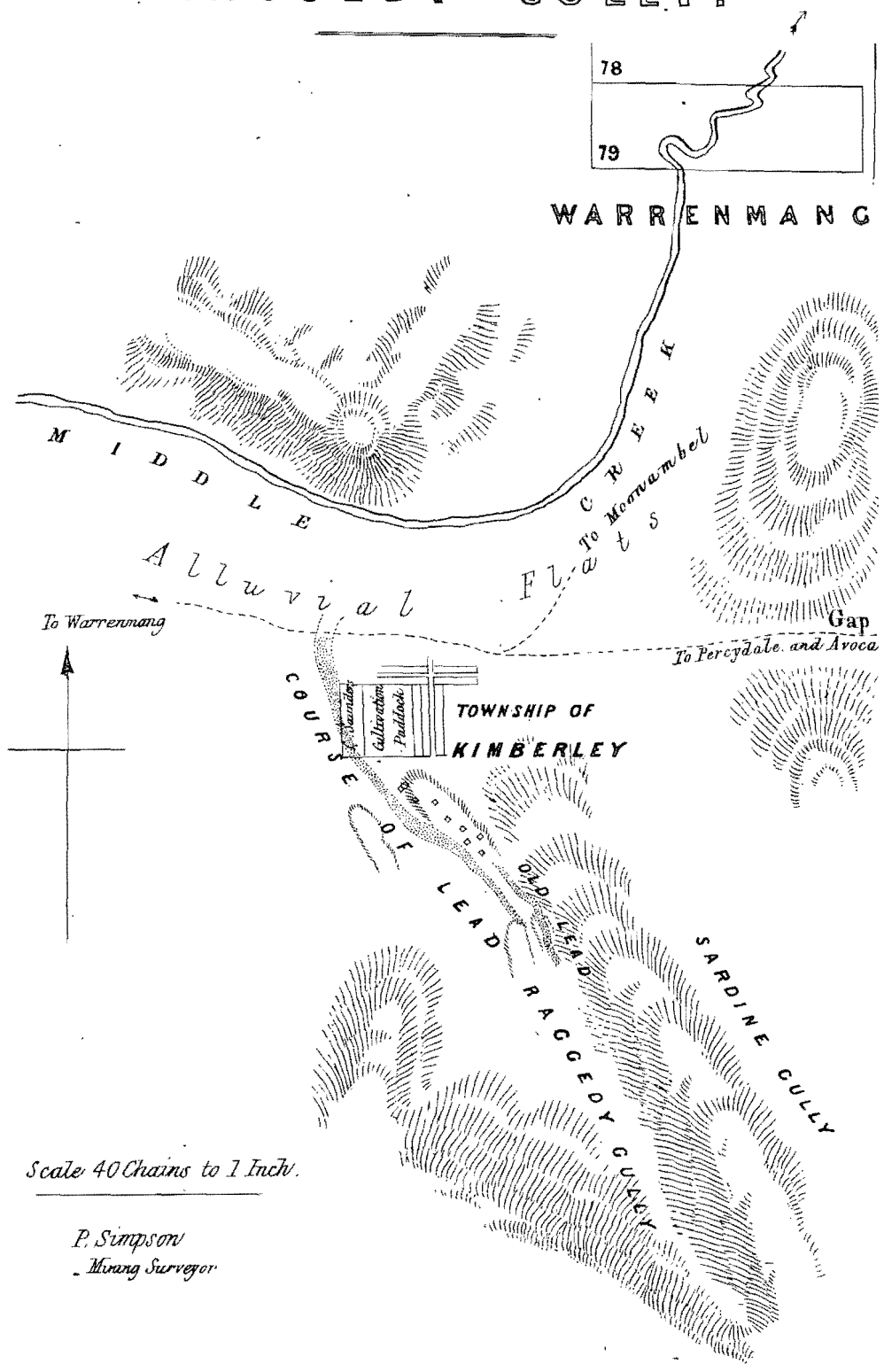
The reservoir and races of Messrs. Stewart and Farnsworth will be the same as my former returns. The following is the revenue collected during September quarter, viz:—

Seven sluicing parties at two sluice-heads each, at 40s. per week each party	£182
Six puddling machines at one sluice-head each, at 20s. per week each	78
Total	£260

PLAN

shewing position and extent of New Rush

RAGGEDY GULLY.



Scale 40 Chains to 1 Inch.

P. Simpson
Mining Surveyor

AVOCA SUBDIVISION.

Mr. P. Simpson, Mining Surveyor and Registrar.

I have to report that the Melbourne and Avoca Company have overcome the water in their mine. This was done about six weeks ago. Eighty men are now engaged in driving; there are two main drives east and west of shaft, and five cross drives. They have driven about 350 feet east and 200 feet west; the eastern drive has been much retarded by a body of hard cement, but this is thinning out. Eastwards the width of the lead is supposed to be about 160 feet, and the thickness from 1 to 4 feet; westwards it is not yet known. All the washdirt treated up to the present has been from the drives, and has yielded about 200 ozs.

The amount of gold obtained by the Golden Lake Company this quarter is 495 ozs. A lease has been applied for on the eastern side of the Golden Lake, on the supposition that the lead is trending that way.

Within the last week or two a considerable rush has set in to Raggedy Gully, a gully about three or four miles westerly of Percydale. This gully has, I believe, been opened many years, but has never attracted more than a very small number of miners until now. The sinking is from 25 to 60 feet, and dry. The average prospect, from 4 to 8 dwts.

In quartz mining, as will be seen by the tables, there is not much being done. This is doubtless due to a want of capital for the proper testing of the mines, and not to the want of payable reefs. Messrs. Clapperton have not long completed the erection of machinery on their lease at Fiddler's Creek. This is the only quartz mine in the subdivision on which there is steam machinery.

There is no sale of water in this division.

Mining Surveyor's Office,
Avoca, 21st October 1871.

Sir,

I have the honor to report that the rush to Raggedy Gully, alluded to in my last quarterly report, is still progressing, and the number of miners and others cannot, at the present time, I think, be less than one thousand.

This goldfield is situated partly in a gully (trending N.N.W) and partly on a flat almost entirely surrounded by hills (spurs of the Pyrenees), the only outlet, about half a mile north-east, through which Middle Creek runs, being that on to the Warrenmang Flats. It is between three and four miles south-easterly of Moonambel, and about the same distance westerly of Percydale, with both of which places there is easy communication.

The nearest gold workings of importance are those of Donkey Hill, about one and a half or two miles east. The old lead (which has been opened many years) is situated towards the head of the gully, and is about half a mile long. It is still being worked by a few. The sinking here is from 20 to 25 feet and dry, through shingle, gravel, and sandy clay. The gold is found in a kind of rough sandstone wash. Several small nuggets have been obtained here. The yields in the Prospectors' claim have averaged 7 dwts. The highest has been 1¼ oz. The washdirt is about 1 foot 6 inches thick, and from 15 to 20 feet wide.

The new lead which is about one mile in length, as worked over, runs close to and almost parallel to the old lead (which is probably a tributary of the former), as shown on accompanying sketch, for about two or three hundred yards. The prospectors of the old lead have a claim at the head of this. They are obtaining gold from 4 to 6 feet from the surface. The strata are surface soil, gravel, red clay, and white washdirt, with flat sandstone boulders; seventeen loads have averaged 11 dwts. per load. At Messrs. Duffy's claim, near the supposed junction of the two leads, the depth of sinking is 38 feet. There are two kinds of washdirt here, white and yellow, 5 feet in thickness. The former averages 6 dwts. the latter 3 dwts. Just below this the sinking is 45 feet and the average yield 4 dwts. About 200 yards further down the sinking is 52 feet, through coarse shingle 15 feet, blue and red clay 30 feet, cement 6 feet, on to a yellow washdirt. This is about 3 feet thick and yields from 4 to 5 dwts. About half a mile from the head of the lead the prospects improve, after crossing a gully formed by a low spur which intersects the lead at this point; a hole was sunk here, and half an ounce got off the bottom—the average yield being from 7 to 8 dwts. The lead is four or five claims wide here, or from 240 to 300 feet, the thickness 1 foot 6 inches, depth of sinking 68 feet and dry, through shingle, a great body (50 feet) of red clay and close gravel. Towards the lower end the depth of sinking is 72 feet; through surface soil 6 feet, cement 3 feet, clay over 40 feet, and close gravel 20 feet; up to this point the sinking is dry; very little is yet known beyond. One or two holes have been sunk and bottomed at about 90 feet within the last few days, and the sinking has, I believe, become wet. The prospects are not so good as expected. It is noticeable, however, throughout this rush that no very extraordinary finds have been made (the earliest average from 7 to 10 dwts.), and the cause of the rush seems to have been more the certainty of obtaining something payable, than anything so attractive, say, as the yields of the Prospectors' and a few other claims at Sandy Creek. The gold is of a rough quality; £3 18s. is given for it on the ground.

There are quartz reefs on the prominent spurs which form Raggedy Gully, particularly on those to the east, but judging from surface appearances (none have yet been worked) they are not promising. The nearest payable quartz reefs are at Donkey Hill.

There are nine or ten stores erected, and several more in course of erection.

I do not think there are more than 300 Europeans, but there are from 700 to 900 Chinese who are almost monopolizing the lower end of the lead. This result is doubtless due to their untiring energy. No sooner is a hole, say 70 feet sunk, which proves profitless, than they set to work at another, and are, in the end, apparently successful.

Water is scarce at present, although a dam on the main Middle Creek, which runs past the end of the lead, not quite half a mile from same, might, if the season were propitious, soon, I think, remedy this evil.

As regards the probable permanency of this goldfield. The success attending those who are working in Raggedy Gully has turned the attention of miners again to Sardine Gully, in which gold was found some years ago, and which is immediately to the east and almost parallel to the former. I have not yet heard of the result of the prospecting. Opposed to these two gullies is the only opening (alluded to above) in the ranges by which not only they, but country for six or seven miles to the west, including the Middle Creek goldfield, is almost entirely enclosed. Beyond this opening, about half a mile across perhaps, are the extensive Warrenmang Flats.

Although the average yield up to the present time is not high, I cannot help thinking, from the formation of the country, that this rush is the most promising which has taken place in this district since the discovery of gold at Fiddler's Creek.

I have the honor to be, Sir,
Your most obedient servant,
P. SIMPSON, Mining Surveyor.

The Honorable the Minister of Mines, Melbourne.

DUNOLLY AND TARNAGULLA DIVISIONS.

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

Dunolly Division.

Mining has improved considerably during the quarter and is likely still further to improve.

Goldsborough Company resumed operations on the 4th ultimo, and are now putting in two crosscuts from the 274-foot level; one to cut the western block, from which a payable crushing was had before, and the other to cut the eastern reef. It is intended to sink the shaft deeper on the main reef very shortly. This company has lately purchased the lease of the ground adjoining its mine on the north side in which they expect to find payable stone.

Queen's Birthday Company. The mine has improved very much during the quarter; the last crushing of 243 tons having given over 197 ozs., and the stone underfoot looks very well. They are breaking out stone from between the 204 and 274-foot levels, and have a good strong reef; and are also sinking the shaft deeper.

Goldsborough Extended Company.—This company, which holds the lease south of the Queen's Birthday Company, intends to recommence working operations forthwith. They have a good shaft down about 110 feet, and are going to sink deeper.

Mona Reef.—William's prospecting claim is not looking so well at present; two crushings have been had during the quarter, one of which yielded 17 dwts. per ton, and the other was not payable.

Horizontal Reef.—Losiner and party are still working their claim; a crushing of 19 tons gave over 19 ozs. Morgan and party crushed a small quantity which yielded 8 dwts. per ton.

Caledonia Reef.—Calder's prospecting claim is still working. Two crushings have given 13 dwts. and 11 dwts. per ton respectively, and they have better stone in view.

Little Bull Dog Reef.—The claim of Ah Moy and party, from which very good yields have been got, has been increased in size, and more men put to work. Machinery for bailing water is being erected, as there are excellent prospects in the stone below water level.

Advance Bealiba Reef.—This line of reef is looking very well, and is likely to be permanent. Goodman and party crushed 20 tons, which gave 2¼ ozs. per ton, and also 41 tons for over 2 ozs. per ton. They have a good width of stone, which is still carrying gold in good quantities. Sutton and party, the prospecting claim, crushed 14 tons for 13½ ozs.; and Body and party had a crushing which gave nearly 1 oz. per ton.

Harrop and party, at Munster Gully, got 45 ozs. from two buckets of stone; the leader they are working is very narrow but carries gold in large quantities.

A lease has been taken up on the Black Reef and Stewart's Reef, by a company to be styled the William the Conqueror Company, and mining operations are to be commenced forthwith. The reefs both yielded largely when originally worked, and the ground taken up includes that where the "Welcome Stranger" nugget was got, which was found close to the cap of the Black Reef.

In alluvial mining more has been doing during the quarter than previously. At Sporting Flat several nuggets have been obtained, the largest being 33 ozs., and others of six, seven and eight ounces, &c.

A nugget weighing 8 ozs. was got on the Old Lead, and one of 4 ozs. in a gully at the rear of the Police Paddock, Old Dunolly. At Bealiba an extended claim has been taken up at Puzzle Flat, and an endeavor is being made to trace the lead which was formerly worked with good results; three shafts have been sunk, the deepest one being 101 feet; payable washdirt has not been obtained yet, but, if not struck from the last shaft another one is to be sunk. A small rush occurred to some ground on the Dunolly and Eddington road about 5 miles from the former place. The depth of sinking was 40 feet, and 3 dwts. was obtained from the bottom of the prospecting shaft, but nothing further being discovered the ground was abandoned. There is a great deal of likely-looking country, both for alluvium and quartz reefs in the locality.

A large area of ground has been applied for, under lease, at Burnt Creek, by the Great Caledonia Company, who intend to work on the continuation of the Burnt Creek and Dunolly leads, which were very rich up to this point, beyond which they have not been worked. Mining operations are to be commenced soon, and those who know the ground have great confidence in the results.

Tarnagulla Division.

New Chum Reef.—The ground formerly held by the Cambrian Company has been worked by a party of tributers for fourteen weeks; 37 tons of stone yielded 12½ dwts. per ton; they are now making arrangements for a fresh tribute. The stone broken out was taken from the 230 to 290 feet levels.

Prince of Wales Company.—The mine is let on tribute to eight men. A trial crushing from the 160 to 180 feet levels gave 6½ dwts. per ton. They have about 100 tons ready for crushing, which is expected to yield 10 dwts. per ton, and the prospects of the mine are improving very much as the ground is worked north.

Extended Company cannot work in consequence of water being too heavy, and are making arrangements for putting up pumping machinery.

Sandstone Reef.—South Sandstone Company have let the mine from the surface to the 290-foot level on tribute. Five men are employed, and are working at about 34 feet from surface, the reef being 3 feet wide. The bottom level has also been let on tribute to a party of eight miners, who will commence work as soon as the adjoining claims are into the reef, so as to assist in draining the ground.

Victoria Company.—The new shaft is down 395 feet, and 25 feet more is yet to be sunk. They have commenced opening out and will have to drive 130 feet for the reef.

Princess Royal Company are going to increase their capital by issuing new shares, and have called for tenders for sinking the shaft 400 feet.

Watkins claim is only pumping by day to get water for crushing with, but will commence to break out stone as soon as the Victoria Company have driven to the reef, so as to assist in draining it.

South Poverty Consols Company.—The machinery is being put in order so as to crush stone for the public. It is intended to sink the shaft deeper, shortly; it is now down 245 feet.

Ironbark Company have four miners at work prospecting above the 200-foot level, and expect soon to strike the reef that yielded some time since 11 ozs. per ton.

Kangaroo Company have purchased steam machinery for the mine, and will shortly proceed with the erection of it.

American Company.—The shareholders are negotiating with some capitalists at Sandhurst, when this is concluded, machinery will be erected and work commenced.

United Poverty Reef Company.—The tributers have nine men employed in a part of the mine which is now payable. Six men are engaged driving from the shaft at the 530-foot level to intersect the reef north, where it was so rich in former days.

Prince of Wales Company, Poverty Reef.—A new company to work this ground is being endeavoured to be ormed, three men have been working on tribute for some time unprofitably.

Birthday Reef.—Two miners are at work on this reef, and are reported to have got payable stone.

Rise and Shine Company, Stubb's Reef.—Tenders are invited for working the ground on tribute.

Perseverance and Excelsior Companies.—These companies are about amalgamating for the purpose of draining the ground, and expect to commence work soon.

Alluvial mining is dull. A small rush has taken place to Stony Creek, where some parties are said to be getting payable returns.

KORONG DIVISION.

Mr. Henry J. Hughes, Mining Registrar.

The past quarter has witnessed much activity in applications for leases, with a view to develop the unoccupied auriferous ground in and about Inglewood, and it is generally anticipated that before the close of the current quarter miners will have ample work, and ground so long deserted, but which has yet, in past time, given such indications of richness, will again be worked profitably; outside capitalists having, at last, become aware of the value of the reefs in this division.

Alluvial Mining.

At Berlin the yield of gold has been much smaller than during the previous quarter; there are, however, some parties prospecting for reefs.

The Daly Lead Company, Inglewood, have driven in different directions about 200 feet, but, although gold has been obtained, the company is still working at a loss; several holes in the leased ground, adjoining the company's have been sunk, but as yet the lead has not been traced; the workers are, however, sanguine of success.

The Unity Company, at a depth of 376 feet, are turning out stone which is likely to average 9 dwts. to the load. This is the greatest depth at which any payable stone has been obtained in this division.

The United Maxwell and Hanlah Companies, on the Maxwell line of reef, Inglewood, are in active work, and payable stone has been obtained; the latter company giving from one crushing an average of 11 dwts. to the load.

The Certainty and Rainbow claims, on the same line, are progressing, and are expected to soon raise payable stone. The Columbian Company have purchased some machinery, and will soon commence operations in search of the run of gold that once paid so handsomely.

The Reality and Hope and Anchor Companies, Inglewood (whose leases adjoin the Unity Company's ground), are seeking for the run of golden stone that the latter company has struck.

On the Poverty line of reef vigorous mining operations are being carried on, the owners of the ground having lately purchased the engine and leases lately held by the Morning Star Company (now defunct).

At Kingower the Kingower Company have not, as yet, met with the success anticipated; and, at Burke's Flat, the Lilliputian Company has had no crushing, the owners of the mine having ceased work pending the reconstruction of the company.

REDBANK AND ST. ARNAUD SOUTH SUBDIVISIONS.

Mr. P. Simpson, Mining Surveyor and Registrar.

The New Isis tributers are stoping out at the 300-foot level, and sinking shaft on underlie.

A lease has been applied for on the Slaughteryard Reef, Moonambel. A reef which has, I understand, produced as much as 60 ozs. per ton, but has been long unworked, as it requires machinery for its further development.

At Messrs. Wills' alluvial claim, White Patch, Moonambel, winding and pumping machinery is being erected, and mining operations will be shortly commenced.

In a gully near the Hard Hills, between Redbank and Stuart Mill, a nugget was found, in 14 feet sinking, of about 4 lbs. weight; of this about 30 ozs. were pure gold.

There is no sale of water for mining purposes in these subdivisions.

ST. ARNAUD NORTH SUBDIVISION.

Mr. P. Simpson, Mining Surveyor and Registrar.

Only a comparatively small quantity of stone has been crushed this quarter from Chapman's and the Rising Star claims, Chrysolite Hill. This has been in consequence of Messrs. Butcher and Co.'s mill having been idle for a great part of the time for the execution of repairs, and not of any cessation of mining operations on those claims, which are still being carried on, and at the 400-foot level, as vigorously as ever.

The Chrysolite Hill Company (as may be seen from the return of quartz crushed) are now fairly at work; and lately, I believe, on the Chrysolite and Ballarat Reef as well as the Western Reef.

I am sorry to have to report a suspension of work on Messrs. Clegg's (late Learmonth's) Claim, Shewring's Reef, the water proving too heavy for the machinery at present there. It would appear as though this reef could only now be worked to advantage below the water-level; the stone looking promising at that depth.

The Phœnix Company, Greenock Reef, are driving at the 275-foot level. A new reef has been discovered at Bolangun, which has attracted a few miners to that neighborhood again.

There is no sale of water for mining purposes in this subdivision.

CASTLEMAINE MINING DISTRICT.

CASTLEMAINE DIVISION.

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

A steady progressive improvement in mining and mining prospects is the result of operations during the past quarter. Throughout the division proved and likely gold-bearing ground has been taken up. Small claims, held by isolated individuals, which claims have been rich above and are worked to the water-level, are being amalgamated and taken up under lease, with the object of deeper and more systematic working, aided by capital and mechanical appliances. There have been fifty gold mining leases applied for of an average area of ten acres each, the greater proportion of which ground has been held, and profitably worked, as mining claims.

Very little quartz has been crushed, consequently the returns of gold are small, and must necessarily continue so whilst preliminary work, as forming companies, sinking shafts, erecting machinery, &c., is being prosecuted.

Many of the new companies have already commenced operations in such a manner as should ensure success.

The Ajax Company has been resuscitated. They have succeeded in buying out the several claimholders whose small claims intersected the company's leases, so that now the whole of Bolivia Reef can be drained and worked by the Ajax Company's powerful and efficient machinery. Their engine shaft, which, with the machinery, is on a lease at the base of the hill, is now 230 feet deep, will be sunk 200 feet deeper—430 feet—and connected with the old 240-foot level. The machinery has been overhauled, twenty-six men employed. On lease 461 a whim has been erected and a shaft sunk (now 92 feet) without striking quartz, nine men employed; and on lease No. 462, a shaft (now 80 feet) is being sunk, and one party of four tributers are at work.

On the Cumberland Reef the Cumberland Tribute Company have driven levels at 150, 190, and 200 feet, and are now driving towards the eastern leader, where they expect to find payable stone. Hutton and Co. have been obtaining about 1 oz. to the ton, and are about to extend their operations.

The Phœnix Company have nearly completed the erection of a 15¼-inch engine, with pumping and winding gear, as the sinking of the engine-shaft has been temporarily stopped by the influx of water. They are now prospecting the eastern lode adjoining Hutton's. South of the Phœnix the Castlemaine Company are sinking their engine shaft.

On the Nuggety Reef all available ground is taken up under lease. The United Nuggety Tributing Company continue to obtain good returns from portions of their ground known as North's and Moore's, their returns being from 328 tons, 295 ozs. 4 dwts., and from 71 tons, 95 ozs. 17 dwts.

The several new companies who have taken up the adjoining ground have not commenced working.

In Barker's Creek a good number of men are at work on the surface portions of reefs, the average yield has been 6½ dwts. to the ton. On Specimen Gully Reef, the Imperial Company, lease No. 670, are sinking their main shaft, now 60 feet, and are getting out quartz for crushing. They have applied for an extension of ground. Walters and Bebby have just disclosed another excellent shoot of golden quartz in their tunnel, and within 30 feet of the Specimen Gully Tribute Co., who have a whim erected and are busily sinking a shaft, now 80 feet, to strike the run of gold left by the old company. The claims of Clarke, Homan, and others, on the south end of the reef, have been amalgamated with a view of more economical and systematic mining.

The Lady Barkly Reef is worked by two companies, one of whom is applying for lease and now raising payable quartz.

Capper's Reef is being worked by three companies, each, near surface, are obtaining payable quartz. The lodes from 2 to 3 feet in thickness and easily wrought.

The Shelback, Hermits, Fortuna, Henricks, Lauriston, Granite, Cranky Neds, Warren's or Turnbull's, Gordon's, and other reefs in this locality are being worked, in most cases, by companies.

In Chewton the numerous reefs are being occupied and worked. The Eureka Company have a number of men employed prospecting and deepening the engine shaft.

The small claims in Wattle Gully have been purchased, and this line of reef is now held by four companies, each having machinery erected thereon, and main shafts to water, 200 feet below which mining operations must now be prosecuted.

On the Post-office, Nimrod, Argus, Dead-cat, and Burns reefs, shafts are being sunk to work the deeper leads.

Several new reefs have been opened. The Mysterious, west of Eureka, in Poverty Gully, is said to show very good prospects.

Another in Campbell's Creek in private property, sec. D 2, probably a continuation of the London, is reported to show for 5 ozs. to the ton.

In the Castlemaine township, west of the Town reef, a new leader has been opened, beside several in Forest and Barker's Creeks.

FRYER'S CREEK DIVISION.

Mr. Mark Amos, Mining Surveyor and Registrar.

Population.

The population has but slightly increased during the quarter, the slight increase is caused by the influx of miners desirous to test our quartz reefs, or lodes, or to obtain employment thereon.

The tabulated returns show a diminution in population of alluvial workers, and from the present aspect of mining here, it is only reasonable to suppose that such diminution will in alluvial workings continue, whilst the number of quartz miners will increase as the district becomes better known and developed.

Alluvial Mining.

Of the old systems of alluvial workings there is nothing to report, as within the past quarter we have had neither large yields obtained, nor nuggets of any notable importance.

Sluicing.

Of sluicing operations I am glad to say I can report more favorably than hitherto, as the River Lodden and Tributaries Company have, at this time, a demand for more water or sluice-heads than they can supply; hence proving that water for sluicing-purposes is valuable.

The company are now letting 14 heads of water, at prices ranging from £4 to £6 per week—in the aggregate returning £68 10s. Seventy men are employed. Seven more sluice-heads are applied for.

During the past quarter the race has been extended to the Bald Hill, near Vaughan, and as the majority of those employed seem satisfied with their returns, it is anticipated that an extension of the race would afford profitable employment to miners, and an equal benefit to the company.

Quartz Mining.

Quartz mining has taken during the past month or so the prominent position in this locality.

This has principally arisen from the returns of Rowe Brothers, Mills and Company, Small and Company, and others upon the line of reefs or lodes known as Cattle's and Ferron's, which have for some time past yielded so well.

In this branch of mining a further inducement is advanced by the successful operations of the Anglo Australian Company, situated between the Golden and Blacksmith's Gully.

At a depth of 130 feet, the Company have crushed an average of 6½ dwts. to the ton; the crushing stuff taken 33 feet wide. At a higher level, upon the same lode, richer stuff is now being obtained.

Garnet and Hender.—Upon the line of the Hit-or-Miss Reef, about 10 chains to the north of the old workings of Hender's Company, which yielded so well from surface leader a few years back, have obtained 1 oz. to the ton. They crushed 11 tons, and obtained 1 oz. to the ton from the surface to a depth of 10 feet. At surface the lode as taken was 10 inches wide, and at depth of 10 feet the lode, or crushing stuff, was 12 inches. The whole of the crushing stuff being an admixture of slate, clay, and quartz.

This has led to the ground adjacent thereto being taken up under the Gold Mining Leases Regulations, and there is now every probability of this hitherto neglected line of reef being properly prospected and attention drawn to a locality which has already become noted for its rich alluvial deposits, and extending south for many miles.

Charges for one sluice-head of water.—Loddon Company.

Heron's Hill, and near Glenluce	£4	0	0
Bald Hill, near Vaughan	6	0	0
Belle Vue Hotel locality	5	0	0

HEPBURN DIVISION.

Mr. Thomas Hale, Mining Registrar.

Quartz mining during the past quarter has been active; between 6500 and 7000 ozs. having been obtained. The Cornish and Crown Quartz Mining Company's claim, prior to present Company's existence, had during the quarter obtained 2 ozs. 9 dwts. 21 grs. per ton from a crushing of 28 tons.

A claim on the New Racecourse road gave 1 oz. 12 dwts. 19 grs. per ton, for 70 tons crushed.

A claim near the Mineral Springs gave 1 oz. 2 dwts. 12 grs. per ton for 276 tons crushed, and the Cornish, at 380 feet in depth, yielded, from a reef 40 feet horizontally, 25 feet at right angles, from 4702 tons the excellent result of 11 dwts. per ton. This last being from a body of quartz, and not from leaders as in former cases, proves that all we require is energy combined with capital to prove this as one of the (neglected but) permanent payable quartz mining gold districts.

The general results of all crushings gives over 9 dwts. per ton.

Alluvial claims give 1 dwt. per truck.

TARADALE AND KYNETON SUBDIVISION.

Mr. Thomas Orwin, Mining Registrar.

Nothing of importance has occurred in this subdivision during the quarter except a renewed effort to test the quartz reefs on the Barfold Ranges. Several of the claims are yielding well, especially the Duke of Buccleugh claim.

TARRANGOWER DIVISION.

Mr. Robert Nankivell, Mining Surveyor and Registrar.

The falling off in the quantity of quartz crushed and yield of gold, as shown in the statistics for the quarter, may be accounted for in a great measure through the Union Company suspending underground operations in the south part of the mine while erecting new winding machinery; this having been completed, and the mine drained, the company have let a contract to drive north and south on the course of the reef struck in the new shaft, at the 430-foot level; the reef here is 7 ft. 6 in. thick, and the average yield over 16 dwts. per ton.

The Alliance Company, on Nuggety Reef, have commenced to clear and re-form their deep shaft, which was filled, some three or four years ago, by an earth slip from the surface; they have been induced to do so by the encouraging prospects in the Speculation Company's mine, adjoining them on the south.

The Preference Company (Eaglehawk South) having drained the mine, have let a contract for sinking the shaft a further depth of 50 feet; the reef in the bottom cross-cut, at the 350-foot level, is 36 feet wide, but very poor; prospects in other parts of the mine are very encouraging. One party of tributers are now working on a reef 3 ft. 6 in. in width, the average yield from which has been, during the quarter, 1½ oz. per ton.

Six new mining leases has been recently applied for, to be worked chiefly with outside capital. On the whole, I think, there are signs of improvement in the district.

ST. ANDREW'S EAST AND CENTRAL SUBDIVISION.

Mr. Alfred Armstrong, Mining Surveyor and Registrar.

There has been little or nothing done in alluvial mining in these subdivisions during the past quarter. The river workings, inclusive of those of the Evelyn Tunnel, have all been suspended; the latter in consequence of a leakage, which has occurred through the river washing a fresh channel at the point of junction of the framework of the company's dam with the eastern bank of the river, which cannot be repaired until the river subsides.

The returns from quartz being smaller than those of last quarter arises from the fact that the companies, viz., the Golden Bower; Union, Diamond Creek; Yarra Tunnelling; and Perseverance, One-tree Hill, from which the largest results have hitherto been obtained, have been either effecting improvements in their machinery, or sinking fresh shafts with the view of extending their workings, thereby temporarily suspending their crushing operations.

In other respects the usual number of persons are still employed.

The Standard Bearer Prospecting Claim, Warrandyte, referred to in my last report, has proved wonderfully patchy, the reef being nearly vertical, but irregular, in thickness varying from 6 in. to 9 in. A crushing from the same was being made, but could not be completed in time to enable me to include it in this return.

The Early Bird Company, Warrandyte, are erecting pumping and crushing machinery, having proved their prospects to a level requiring pumping machinery.

A new shaft to work the Scotchman's Reef, on the First Hill, Warrandyte, is being put down, which, together with the other workings on hand, will give employment to a considerable number of miners.

ST. ANDREW'S WEST AND SOUTH SUBDIVISION.

Mr. Clement Johnstone, Mining Surveyor and Registrar.

I have the honor to report that the Gisborne Slate Company is being wound up.

A company has been formed to work the coal fields at Western Port, and mining operations at Snapper Point are nearly at a standstill in the meantime.

The lessee of the Kaolin mine at Bulla Bulla has received a large order for China, and the mine is in full operation.

The shaft in the prospecting claim, Snapper Point, has been sunk to a depth of about 55 feet; the reef extending all the way down. About 20 tons of quartz has been raised, but none crushed at present, owing to the distance from a machine. Several assays have been made from small portions of stone (not picked), and the result is said to be from 2 to 6 dwts. to the ton.

No water has been sold in those subdivisions during the last quarter for mining purposes, to my knowledge.

BLUE MOUNTAIN NORTH SUBDIVISION.

Mr. Graham McPherson, Mining Registrar.

There are a number of miners prospecting for quartz reefs in various parts of this subdivision, but, on account of the heavy overflow of water at this season, nothing has been found of a remunerative nature, with the exception of a reef recently found at Mudlark Creek, about three miles from Trentham, which gives prospects of an ounce per ton.

ARARAT MINING DISTRICT.

ARARAT DIVISION.

Mr. Charles Jas. Wm. Russell, Mining Surveyor and Registrar.

The alluvial mining is still in a very depressed state at Ararat, there being no important works in operation, the whole work being confined to distributed and individual workings, principally on old ground. Several small rushes have taken place where lost leads have been re-struck, which, after lasting a few weeks, have terminated. The alluvial leases, the Independent and the Sarnia, have both been abandoned during the last month, after considerable loss to the proprietors; the first, from the great redundance of water and the mullocky character of ground they had to drive through; the latter, from the general poverty of the drift they depended upon.

The quartz interest has suffered from great depression during the quarter. The large companies at Moyston, on the Campbell's Reef, have produced very small returns. The Kangaroo Company have been only partially employed working on tribute at 250-foot level, while the total depth of the mine is 570 feet, but they were deterred from working at a greater depth in consequence of the presence of water. The Southern Cross Company have not done any work during the quarter. The North Star (the Invincible), are working very short handed, owing to the late want of success. In the immediate vicinity of Ararat, quartz is being worked under miners' rights; in the neighborhood of the late Mitchell's Reef quartz lease, a prospecting claim having been registered three months ago, has continued remunerative, though they have had to crush the stone by hand and pan it off. Other claims have been taken up

and worked with passable success. At Moor's Reef, the site of the late Noah's Ark Gold Mining Lease, a prospecting claim was taken up: their prospect was excellent, and success has attended their further efforts, but they have not yet had a crushing; eight claims to the north and seven to the south of the prospecting claim have been taken up, and all appear to give promise of success. It will be some weeks before anything reliable is known with regard to its real value. A site for a small steam crushing machine has been taken up, and the machinery will immediately be erected, close to the town of Ararat.

PLEASANT CREEK DIVISION.

Mr. W. Crellin, Mining Surveyor and Registrar.

Quartz Mining.

The old reefs maintain their old prosperity—the returns from the mills showing an average greater than former averages. The North Cross Reef Company crushed over 7500 tons during the quarter, obtaining an average yield of 1 oz. 18 dwts. per ton. Thirty tons were crushed from the new reef in No. 12 and 13 South Cross Reef, which yielded 2 ozs. to the ton. Working in this claim is at present suspended on account of the impossibility of keeping the water down with the present appliances. This reef runs into No. 8 North Scotchman's, and will probably be found in the neighboring claims as well.

Confidence in the Newington mine has revived.

Several large progressive mines, the Prince Patrick, the Carolina, the Birmingham, have taken a higher place in public estimation.

The South Scotchman's are down 800 feet, and will either sink another 100 feet or cross-cut eastward into the Big Hill.

The 800-foot level of the Extended Cross Reef Company, heading westward towards the Cross Reef, has not yet cut anything of importance.

Alluvial Mining.

The Tregea's Alluvial Company have taken up the ground formerly held by the Standard Company; they have six men at work driving for the lead; they use the old engine for pumping and winding.

A good number of silver cradles are at work at Deep Lead, Seventy-Foot, and Forty-Foot, mostly by Chinese. It is rumored that they get good returns, but it is impossible to get reliable information.

Not more than six claims are being worked at the Welcome.

BARKLY DIVISION.

Mr. W. Crellin, Mining Surveyor and Registrar.

There are no quartz reefs being worked.

Alluvial mining has been confined to old workings.

Nothing of any importance has occurred during the quarter.

RAGLAN DIVISION.

Mr. Augustus Poeppel, Mining Registrar.

Since my last report the population has slightly increased, and the increase have taken to the ranges around Sulky Gully, Charlton, Waterloo, and Sailor's Gully. During the quarter I registered thirteen prospecting claims, principally in small tributaries off the main leads, but none of the rushes consequent upon the gold being discovered have proved at all remunerative.

The Young Duke Company have been employed main driving, and consequently their returns for the quarter are not up to the average, but still the company are dividing good wages. The New Hope have abandoned their claim, and removed their machinery to the claim of the Ocean Chief Company, immediately below them, which company the majority of the shareholders have joined. They will be ready for starting in about a month's time.

From Sailor's Gully, and Unity Gully, the news is still of an encouraging nature.

GIPPSLAND MINING DISTRICT.

OMEO SUBDIVISION.

Mr. W. Phipps, Mining Registrar.

Frequent rains and heavy floods still continue, and so hinder mining operations as materially to reduce the average yield of gold as compared with the number of men employed.

The purchasers of the steam quartz crushing mill, at Swift's Creek, have taken up 28 mens' ground under miners' rights, in two blocks, on site formerly held under lease by the Eureka and Himalaya Companies, and have put out tenders for raising 250 tons of quartz weekly. They have also put the mill in thorough working order, with improved appliances, and propose starting it to crush the quartz on hand next week.

Our Chinese mining population has been slightly increased by immigrants direct from China, for whom their countrymen had sent, and have found work. The European population is also increased, chiefly by quartz miners.

In other respects there is no change, and, as yet, but little prospecting, the snow being still heavy on the high land and the weather very broken.

MITCHELL RIVER SUBDIVISION.

Mr. John Grimes Peers, Mining Surveyor and Registrar.

Quartz Mining.

Since the date of my last report quartz mining in this subdivision has shown evidences of improvement. The yields from the various reefs are encouraging, and the miners only require the introduction of foreign capital to further assist them.

Alluvial Mining.

In this branch I have nothing new to report. The miners continue to earn fair wages, viz., from 30s. to 50s. per week per man.

CROOKED RIVER DIVISION.

Mr. James Travis, Mining Registrar.

I have the honor to report that mining operations in this division still remain in a very depressed state. The quantity of quartz crushed during this quarter is less than that of the previous one, and the average yield much smaller. The good stone that is now being raised from the Palmerston will, I trust, insure more confidence in this description of mining, and lead to the reoccupation of some of the many reefs that are now lying unworked. It is worthy of remark that, out of some three hundred reefs found in this division and proved to be auriferous, the Good Hope is the only one that has been tested to a depth of 300 feet; and yet many of those that have been taken up, partially worked, and then abandoned, were much richer at the surface, and often to a depth of 100 feet, than it was. Unfortunately, in almost every instance, whenever a few crushings of unremunerative stone were obtained, the mine was forthwith abandoned. Had a similar policy been adopted by the Good Hope Company, 2 oz. stone would not have been found, as is now the case, in that mine at a depth of 620 feet from the surface.

As a proof that this mine is not the only one here that will pay when worked to a considerable depth, I may mention that the Palmerston, although twice abandoned, is now yielding from five to eight ounce stone taken from a level of 200 feet from the surface. The company are now sinking a winze at that depth, the stone looking better as they go down.

The Good Hope Company have put in a drive from their winze, at a depth of 120 feet from No. 3 level, being 620 feet in all from the surface. The reef, at the end of this drive, is about 2 feet thick, and looks very well indeed.

The Anchor of Hope has been let on tribute; but very little stone has been crushed during the quarter. The company are sanguine of ultimately striking a payable reef.

On the Wentworth, Walsh and Company have raised 200 tons of stone from the Garry Castle. They expect it will yield about 1½ ozs. to the ton. Arrangements are being made to erect a mill at or near the reef.

There is very little alteration in the number or prospects of alluvial miners. The head of the Crooked River seems to be the favorite locality. Some parties have been making, for the past three months, as high as four pounds per week per man.

JERICHO DIVISION.

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

Only two claims are crushing in this division at the present time, namely, the Loch Fyne Prospecting Claim and the Harbinger. They have both obtained satisfactory results, and the latter claim is looking remarkable well, and is now all but clear of debt; it is anticipated, therefore, that the next washing up will give the shareholders a dividend.

The other claims on the Dry Creek have as yet no prospects, and those on the Commercial line and New Chums Reefs are abandoned for the present.

The Scandinavian reef, adjoining the El Dorado, has been again taken up, and a reef found within a few yards of where the old reef was said to have been cut off. The stone, without being rich, appears payable, and loose gold is obtainable by the dish.

Near Jericho the old Haphazard line is again being prospected; a small quartz vein, with a fair show of gold, has been obtained on the B B fall, and the parties interested have applied for leases of the ground.

In alluvial mining there is little doing.

Average quantity of water sold:—10 sluiceheads; price per sluicehead (12 hours), 15s.

DONNELLY'S CREEK DIVISION.

Mr. Arthur F. Walker, Mining Surveyor and Registrar.

There is little new to report this quarter.

At Donnelly's creek only three quartz mining companies, viz., the Prince Alfred, Bismark, and Golden Key, have been at work during the quarter. The last named has purchased the mine and plant of the Victoria Company, and are now engaged reorganising the same preparatory to crushing. The reef in the Golden Key shaft has slightly improved, and I hope next quarter to be able to give a good return from this mine.

The Bismark Company are working a reef recently discovered south of the Morning Star line, and supposed to be a continuation of same. The lode averages 1 foot in width and underlays west; 100 feet have been driven along the course of the reef.

The Aberfeldy Company are opening up their mine and intend shortly to erect a battery.

At Freestone Creek the alluvial claims that are being methodically worked continue to give fair returns, the Upper Gladstone Prospecting Claim being still the most remunerative.

The Briagolong Deep Lead Prospecting Claim has been suspended, the shaft having become too dangerous to work in. The depth exceeding the first calculations, it became necessary to enlarge and re-timber the shaft, and during this operation the drift became unmanageable and work had to be abandoned. The prospectors are, however, so satisfied with the appearances that they are determined to resume operations with a strong party and sink a new shaft.

STRINGER'S CREEK DIVISION.

Mr. E. S. Gutteridge, Mining Registrar.

During the past quarter mining operations have been steadily carried on with satisfactory results, the yield showing a considerable improvement on the previous quarter. The Long Tunnel Company continues to give splendid returns, with no signs of falling off; as the mine becomes opened the more its great value is apparent; at the 243-foot level the stopes are opening well, the lode increasing in width, and the quality of stone very good throughout. Sinking the shaft is still carried on; a third level will be opened at 343 feet. The furnaces and machinery for treatment of pyrites are completed, and operations commenced. A good yield may be expected from this source.

The North Gippsland and Walhalla Companies have been crushing steadily all the quarter with favorable results. The Empress Company are now engaged in opening out, and expect to cut Cohen's reef in close proximity to the shaft.

At Mount Lookout two distinct lines of gold bearing reef have been opened, the prospects obtained on several claims on each line are very encouraging, and no doubt, when machinery is erected on the ground, important results will be obtained.

Alluvial mining operations at the Thomson River have been retarded by the quantities of water in the river. Many miners are waiting for the dry season, when they will be able to work to advantage. I believe that a comparatively large population will settle in this locality for the summer months.

RUSSELL'S CREEK DIVISION.

Mr. Charles Gadd, Mining Registrar.

The floods during the quarter have been a great drawback to the alluvial workings in this district, most of the claims having been flooded out three or four times. There is nothing new in quartz mining. Several of the known reefs are, however, being prospected with good expectations.

BENDOC SUBDIVISION.

Mr. John Nichol, Mining Registrar.

I have little to report with respect to quartz mining. Only two companies operating, viz., the Rising Sun Company, and Bendoc Park Quartz Company, neither of which have had a crushing during the quarter. But the former company have met with great disappointments, from the fact that with all their energy they could not compete with the water in their shafts, compelling them to erect strong and substantial steam machinery upon the mine for the purpose of raising, in connection with bailing, the water which, during this quarter they have been engaged in, and at great expense. It will be complete in a very short time.

The Park Quartz Company have also erected a battery of their own (water-power), which was complete on the 28th instant, and have commenced crushing their stone. They have about 200 tons grassed, which looks good in quality.

All the other reefs in this district are abandoned, or have been taken advantage of under the 21st Bye-law, excepting the United Tunnel Claim, who are still driving their tunnel. The Morning Star Claim is about to commence work under a new company forming in Sydney, N.S.W., so that, before the end of another quarter, some of the reefs in this subdivision may have a very different appearance.

With respect to the alluvial mining in this district, the few that are here appear to be making but poor wages, although they appear satisfied, expecting to strike upon something more payable; but many of the Europeans have left this side of the border, and are operating in New South Wales, having found payable ground on and in the Delegate River (a portion of which is in Victoria), but from the high state of this river many have been unable to work to advantage, caused by the incessant rains; but as summer advances, and fine weather sets in, a great portion of that river will be operated upon.

TARWIN SUBDIVISION.

Mr. E. W. Turner, Mining Surveyor and Registrar.

On account of the incessant rain affairs have been rather dull during the quarter, at least, not so lively as could be wished for a new field, and considerable discontent is manifested by numbers who are leaving the place, and who spread no very encouraging reports throughout the rest of the colony. The rush to Gul Gong has incited a good many to leave, but this latter place seems rather overstocked, and some few, preferring this place, have returned. There is very little *bonâ fide* prospecting carried on, many leaving without having sunk a shaft more than three feet deep, or having seen more of the country than can be viewed by the walk to and from the landing. It cannot be doubted that the state of the weather accounts for a deal of ill-success, and that it is not caused by the poverty of the country; in fact, it is the general opinion that a good deal of gold will be obtained here as the summer advances, and the country becomes better known.

The Buln Buln Company are going to work in a most scientific and energetic manner, and seem determined to thoroughly explore their ground. The lead is almost sure to go through their ground, and if, when discovered, it should turn out as rich as where the prospectors are working, the place cannot fail to go ahead. It seems probable that the lead follows down Stockyard Creek, and may, possibly, run under the Inlet towards Yanikie. It would be something new to have a submarine lead. The Buln Buln Company are putting down a succession of bores a chain apart across the flat, which, at the point chosen, is about half a mile wide. Six have already been bottomed, the bottom dipping as they proceed, the last bore being 52 feet. In those already put down gold has been discovered in several thin layers of wash at various depths, which is some encouragement. A great deal of land adjoining is held on the frontage bye-laws, in reserve, awaiting the result of the above company's experiments.

On Stockyard Creek proper, the prospecting claim, Langridge's, the Union, Thatcher's, Beswick's, Big Log, Scotchman's, Adventure, Young Republic, Lankey's, and one or two other claims have been paying very well. The prospecting claim alone has yielded over 260 ozs. during the past three weeks. Several whims have been erected, and the style of mining has improved generally.

Payable gold is obtained in most of the claims on cement, amongst which may be named the Venetia, Welcome, Greek's, and others, though the lead has not yet been traced any distance.

Gold has also been found, lately, on the Golden Creek, which flows into the Inlet at a point about 8 or 10 miles south of this, but very little is known concerning it.

All operations are, as yet, confined to alluvial, and until a crushing machine is erected, there is no mode of ascertaining the richness of the quartz workings. It is generally expected that the reefs will turn out very well, all the gold obtained in the alluvial workings being mixed up in quartz specimens, and, to judge from these, the reefs that yielded them must be enormously rich—specimens containing half their weight of gold are turned up every day.

A persevering prospector, Mr. Brown, has just arrived here, having travelled by himself from Bunyeep, on the Melbourne road to Stockyard Creek, a distance of about 60 miles, through dense scrub and forest for a great part of the way. He reports his course to have been partly through coal formation, in which he has found some seams of seemingly valuable coal, somewhere at the head of the Tarwin river, and about 25 miles N. W. from here. They are described as being situated not far from a stream which appears navigable, though this is doubtful. One seam is said to be 6 feet thick. The remaining part of his course was through auriferous formation of a very encouraging character, quartz gravel, both waterworn and angular, occurring in considerable quantities. The country, except about Buneep, is very scrubby, and the prospector is very anxious to have the country opened up by a track, being fully satisfied of its auriferous nature.

APPENDIX.

NEW VEGETABLE FOSSILS OF VICTORIA,

DESCRIBED BY

BARON FERD. VON MUELLER,

C.M.G., M.D., F.R.S., Government Botanist and Director of the Botanic Garden.

[CONTINUED.]

Rhytidotheca.

Capsule woody, elongated pentagonous-ellipsoid, very gradually attenuated towards the acute apex, less pointed towards the base, by loculicidal dehiscence completely dissolving into five solid valves; the latter wrinkled and rough at their dorsal portion; a slight furrow along their internal edge. Columella or free central axis absent. Seeds turgid, solitary in each cell or perhaps two superposed, only in part coming to full development, lodged either slightly below the middle of the valves or at within one-third of the summit of the capsule, but seemingly only in the former case advancing to maturity. Above and below the well-defined oval cavity, formed for the reception of the nucleus-portion of the seed, are impressions indicating a prolongation of the seed upwards and downward into some long and narrow probably winglike appendicular organ, of which, however, in the specimens, hitherto found, no traces are left. The seeds were only seen in a rudimentary state; thus their point of attachment could not be ascertained with positive accuracy.

The generic name is obtained from ρυτιδώδης, wrinkly, and θηκη, capsule.

The fruit bears some resemblance to that of Flindersia Strzeleckiana (F. M. Fragm. Phytogr. Austr. i. 65), but this similarity is an external one mainly. Rhytidotheca is in reality more closely allied to the genus Chloroxylon (the only species of which yielding the beautiful East Indian satinwood, commercially and industrially so well known). The absence as well of a free central axis as of laminar placentæ and the loculicidal dehiscence bring our fossil nearer to Chloroxylon, while the division of the capsule into five valves indicates an approach to Flindersia. In the turgidity of the seeds Rhytidotheca differs from both, and besides in the paucity of seeds from Chloroxylon. Moreover the capsules of the various Flindersiæ are more or less echinulate-tubercular, while the capsule of Choroxylon is smooth; again the verrucular prominences of Rhytidotheca are so slight as to render the capsule hardly more than rugose. What relation the foliage and flowers may have had to the above mentioned existing Meliaceous trees is entirely involved in obscurity. How far again an alliance to Sapindaceæ or some other orders with woody valvular fruit can be traced out, future researches from more enriched material must demonstrate; but in any comparisons with Sapindaceæ the number of fruit-valves, increased to five, remains exceptional.

Rhytidotheca Lynchii.

In the auriferous deposits of the older pliocene formation of the goldfields of Haddon, at Nintingbool, about 150 feet below the surface. J. Lynch, Esq.

This fossil is dedicated to the officer, who by successful and strenuous exertions secured this species and many other palæontologic remains, which are under progress of elucidation for the valuable documents of the Mining Department, periodically issued by R. Brough Smyth, Esq.

It may be worthy of remark, that no member of the Meliaceous order exists any more in the living vegetation of our colonial territory. This newly discovered remnant of a past flora again indicates a clime formerly warmer and more humid and equable than that of the spot, where now these vestiges of extinct forests are buried.

From the same locality, in which the adopted normal form was found, we possess an allied fossil, which probably constitutes merely a variety of the species above defined; the outer rugosity of the fruit is less manifest, and the nucleus of the seed is lodged at the base of the cell or near the base; thus necessarily

the space for the expansion of the wing exists only upwards, and this, as indicated by the impression, forms a terminal gradually narrowed appendage fully twice as long as the seed. The nucleus is ellipsoid and nearly 3 lines long. The collection contains also what appears to be another variety of the same species, the form of the capsule being more ovate and the diameter rather more than half the length of the fruit.

Plesiocapparis.

Fruit depressed-globular, one-celled, indehiscent, slightly oblique, somewhat rough outside. Pericarp crustaceous-woody, rather smooth inside. Cavity ample, traversed on two sides, but there from the base to near the summit, by the remnants of slightly spreading placentas. Seeds several, probably numerous, more or less heart-shaped or renate, somewhat twisted, convex and rather smooth on one side, on the other face bearing irregular impressions.

The generic name is formed from πλησίος, indicating affinity, and καππαρις, the Caper-bush, in allusion to the resemblance of this fossil to the large fruits of some species of Capparis of the Busbeckia section. In selecting the generic designation I did not wish to indicate thereby the real affinity of this genus, which remains dubious, although the form of the fruit and the shape of the seeds seem to point, perhaps deceptively, in the direction of Capparis.

Plesiocapparis prisca.

From the Haddon Lead, with Spondylostrobus, Phymatocaryon, Trematocaryon and Rhytidotheca. John Lynch, Esq.; communicated by R. Brough Smyth, Esq., F.G.S.

The fruit is fully 2 inches in diameter. The pericarp has a thickness from 3 to 4 lines, and is hard, almost bony. The seeds measure from $\frac{1}{3}$ to $\frac{1}{2}$ inch. Three were found in the solitary fruit which I opened, but besides there existed some undeveloped ovules with these seeds. The cavity is slightly invested with the residue of a probably pulpy mass, which became indurated into thin lamellar strata. The structure of the embryo can no longer be ascertained, it having become by fossilification homogeneous, but appears from the shape of the seeds to have been twisted or coiled. The placentas, as indicated by a band of somewhat ramified cicatrices, stretch from the base in two lines towards the summit, apparently in a similar manner to that of Capparis Mitchelli, which shows also two placental cicatrices stretching along the walls of the pericarp nearly from the top to the bottom, as observable after the removal of the pulp.

If at all a comparison with any Capparis should be admissible, then it would be with the already mentioned large-fruited Capparis Mitchelli (Lindl. in Mitchell's Three Expeditions, i. 315), a desert tree, extending from the Murray-River nearly to Carpentaria and Arnhem's Land. On inspection of the plate in my work on the Plants Indigenous to Victoria, Suppl. Pl. iv., it will be found, that the pericarp of Plesiocapparis is considerably thicker and that the seeds are larger and less regularly cordate-renate. Flowers and leaves of this fossil remain unknown, and thus the comparison cannot be carried further, at least for the present.

Celyphina.

Fruit roundish or ovate, indehiscent, somewhat oblique, as a rule considerably compressed, one-celled. Pericarp thick, woody-crustaceous, outside almost even or only faintly rough, inside smooth. Perfect seeds unknown, but probably solitary and filling the cavity.

The generic name is derived from κελύφινος, putaminosus, and chosen to indicate the thick and hard nutshell or pericarp, which characterizes this fossil.

So far as the scanty vestiges of the plant, designated now by the above appellation, allow us to judge, we may assume that it belonged to the order of Proteaceæ; if this view of its alliance can be adopted and sustained, it must be placed next to Helicia, a genus of East and North-Australian and of tropical Asiatic forest-trees, but no longer represented by living species within Victorian territory. Indeed the fossil species, as far as known, might have been placed into Helicia, or to indicate its supposed affinity it might by the dictates of usage have received the designation Helicites, or in adopting Prof. Schimper's suggestion (Traité de Paléontologie Végétale, i. 54) the name Helicides. But we possess no material for confirming also the generic conformity of the flowers, and thus by adopting incautiously a generic term, expressive of a close affinity, which subsequent discoveries may not bear out, the danger might arise of leading astray or of conveying an incorrect meaning. Hence the choice of an independent name for the genus.

Celyphina McCoyi.

In auriferous drift at Haddon in the older pliocene formation, about 150 feet below the surface. John Lynch, Esq.; communicated by R. Brough Smyth, Esq., F.G.S.

CELYPHINA Mc COYI

F von MUELLER



Shepherd Del. & Lith.

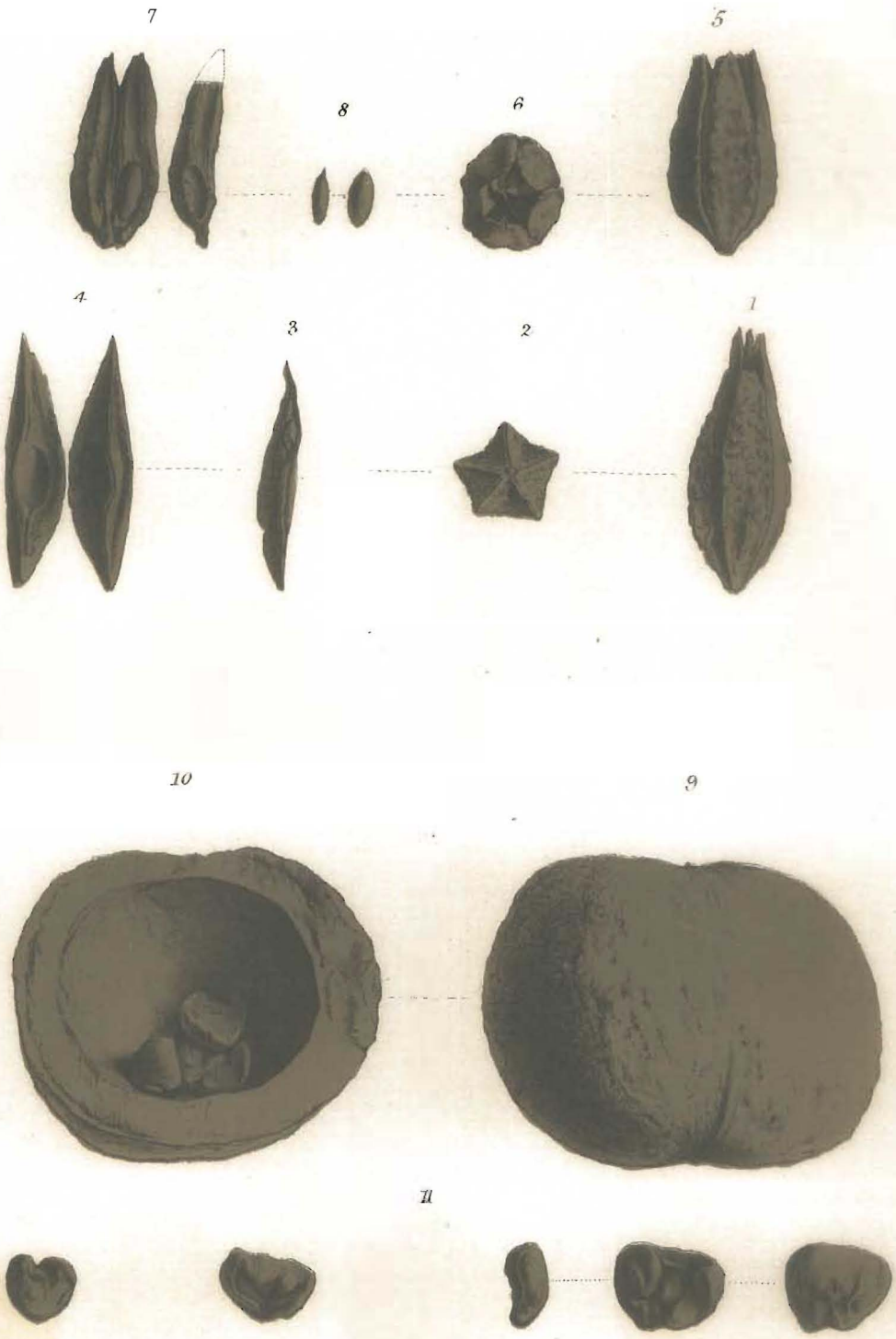
RHYTIDOTHECA LYNCHII

Figs 1 – 8

PLESIOCAPPARIS PRISCA

Figs 9 – 11.

F von MUELLER.



Hull Shepherd, Photo & Litho.

Fruit measuring from $\frac{3}{4}$ to $1\frac{1}{2}$ inch in length, the size evidently to some extent depending on the degree of ripeness; the blunt summit but slightly protracted, the base rounded; pericarp rather more than 2 lines thick in the ordinary form, but occasionally of double that thickness; the cavity smooth, presenting on cross-section an oval outline. The seed in its perfect form is unknown, but must have been large and turgid.

The similarity of this fossil to the fruit of Helicia prælta (F. M. Fragm. Phytogr. Austr. iii. 37), from the warmer parts of East Australia seems obvious, as well in size (which is variable likewise in that Helicia) as also in the form and thickness of the pericarp.

As a mark of public homage I dedicate this particular Victorian fossil to Professor F. McCoy, who by extensive researches has shed so much light on the flora and fauna of former creations, and who is still daily enriching our stores of protogean knowledge.

Whether the single specimen of a larger fruit from the Gladstone mine of Haddon (illustrated by figs. 5 and 6) is also referable as a mere variety to Celyphina McCoyi, or whether (as I can hardly anticipate) it forms a distinct species of the same or of an allied genus, must remain for the present undecided. This fruit-specimen is fully 2 inches long, slightly attenuated at the summit and much contracted at the base.

As an abnormal form I referred also temporarily to this species the fossil, of which a drawing has been given at fig. 4; the inequality of the thickness of the pericarp seems singular but may be accidental; the cavity in this instance is spherical.

EXPLANATION OF LITHOGRAMS.

Rhytidotheca Lynchii.

Fig. 1.—The capsule unopened; side view.
„ 2.—The same, presenting the base.
„ 3 and 4.—Three valves, separated, showing the cavities for the reception of the seeds.
„ 5.—The unopened capsule of the variety with basal seed; side view.
„ 6.—The same, presenting its summit.
„ 7.—Three valves of the same, separated.
„ 8.—Detached seeds, their form restored from fragments.

Plesiocapparis prisca.

Fig. 9.—Fruit, unopened, like the rest of the figures given in natural size.
„ 10.—Fruit, laid open, loose seeds within.
„ 11.—Seeds, the three connected figures illustrating the same seed seen from different sides.

Celyphina McCoyi.

Fig. 1.—A fruit of normal form.
„ 2.—The same presenting its lateral aspect.
„ 3.—The same laid open, containing crystalline infiltrations.
„ 4.—Dorsal and side view of a smaller variety; the same also laid open.
„ 5.—A variety with roundish cavity.
„ 6.—A larger fruit, probably conspecific, but much protracted at the base.
„ 7.—Transverse section of the latter.

All figures of natural size.

By Authority: John Ferres, Government Printer, Melbourne.