

Weight in 1,000gr.	Assay per Ton.	Weight in 1,000gr.	Assay per Ton.	Weight in 1,000gr.	Assay per Ton.	Weight in 1,000gr.	Assay per Ton.	Weight in 1,000gr.	Assay per Ton.	Weight in 1,000gr.	Assay per Ton.
Oz. dwt. gr.		Oz. dwt. gr.		Oz. dwt. gr.		Oz. dwt. gr.		Oz. dwt. gr.		Oz. dwt. gr.	
0-001	0 0 16	0-037	1 4 4	0-073	2 7 17	0-109	3 11 4	0-145	4 14 17	0-181	5 18 6
0-002	0 1 7	0-038	1 4 20	0-074	2 8 9	0-110	3 11 20	0-146	4 15 8	0-182	5 18 21
0-003	0 1 23	0-039	1 5 11	0-075	2 9 0	0-111	3 12 11	0-147	4 16 1	0-183	5 19 13
0-004	0 2 15	0-040	1 6 3	0-076	2 19 16	0-112	3 13 4	0-148	4 16 17	0-184	6 0 5
0-005	0 3 6	0-041	1 6 19	0-077	2 10 7	0-113	3 13 20	0-149	4 17 8	0-185	6 0 20
0-006	0 3 22	0-042	1 7 10	0-078	2 10 23	0-114	3 14 11	0-150	4 18 0	0-186	6 1 12
0-007	0 4 14	0-043	1 8 2	0-079	2 11 15	0-115	3 15 3	0-151	4 18 16	0-187	6 2 4
0-008	0 5 6	0-044	1 8 18	0-080	2 12 6	0-116	3 15 19	0-152	4 19 7	0-188	6 2 20
0-009	0 5 21	0-045	1 9 9	0-081	2 12 22	0-117	3 16 10	0-153	4 19 23	0-189	6 3 11
0-010	0 6 12	0-046	1 10 1	0-082	2 13 14	0-118	3 17 2	0-154	5 0 15	0-190	6 4 3
0-011	0 7 4	0-047	1 10 17	0-083	2 14 5	0-119	3 17 17	0-155	5 1 6	0-191	6 4 18
0-012	0 7 20	0-048	1 11 9	0-084	2 14 21	0-120	3 18 9	0-156	5 1 22	0-192	6 5 10
0-013	0 8 12	0-049	1 12 0	0-085	2 15 12	0-121	3 19 1	0-157	5 2 13	0-193	6 6 2
0-014	0 9 3	0-050	1 12 16	0-086	2 16 4	0-122	3 19 17	0-158	5 3 5	0-194	6 6 18
0-015	0 9 19	0-051	1 13 8	0-087	2 16 20	0-123	4 0 9	0-159	5 3 21	0-195	6 7 9
0-016	0 10 11	0-052	1 13 23	0-088	2 17 12	0-124	4 1 1	0-160	5 4 12	0-196	6 8 1
0-017	0 11 2	0-053	1 14 15	0-089	2 18 3	0-125	4 1 16	0-161	5 5 4	0-197	6 8 6
0-018	0 11 18	0-054	1 15 7	0-090	2 18 19	0-126	4 2 8	0-162	5 5 19	0-198	6 9 8
0-019	0 12 10	0-055	1 15 22	0-091	2 19 11	0-127	4 2 23	0-163	5 6 11	0-199	6 10 0
0-020	0 13 1	0-056	1 16 14	0-092	3 0 2	0-128	4 3 15	0-164	5 7 3	0-200	6 10 16
0-021	0 13 17	0-057	1 17 6	0-093	3 0 18	0-129	4 4 7	0-165	5 7 19	0-300	9 16 0
0-022	0 14 9	0-058	1 17 21	0-094	3 1 10	0-130	4 4 22	0-166	5 8 11	0-400	13 1 8
0-023	0 15 0	0-059	1 18 13	0-095	3 2 1	0-131	4 5 14	0-167	5 9 2	0-500	16 6 16
0-024	0 15 16	0-060	1 19 4	0-096	3 2 17	0-132	4 6 5	0-168	5 9 18	0-600	19 12 0
0-025	0 16 8	0-061	1 19 20	0-097	3 3 9	0-133	4 6 21	0-169	5 10 10	0-700	22 17 8
0-026	0 17 0	0-062	2 0 12	0-098	3 4 1	0-134	4 7 12	0-170	5 11 1	0-800	26 2 16
0-027	0 17 15	0-063	2 1 4	0-099	3 4 16	0-135	4 8 4	0-171	5 11 17	0-900	29 8 0
0-028	0 18 7	0-064	2 1 19	0-100	3 5 8	0-136	4 8 20	0-172	5 12 9	1-000	32 13 8
0-029	0 18 23	0-065	2 2 11	0-101	3 5 23	0-137	4 9 11	0-173	5 13 1	2-000	65 6 16
0-030	0 19 14	0-066	2 3 3	0-102	3 6 15	0-138	4 10 3	0-174	5 13 16	3-000	98 0 0
0-031	1 0 6	0-067	2 3 18	0-103	3 7 7	0-139	4 10 19	0-175	5 14 8	4-000	130 13 8
0-032	1 0 22	0-068	2 4 10	0-104	3 7 21	0-140	4 11 11	0-176	5 15 0	5-000	163 6 16
0-033	1 1 13	0-069	2 5 2	0-105	3 8 14	0-141	4 12 3	0-177	5 15 15	6-000	196 0 0
0-034	1 2 5	0-070	2 5 17	0-106	3 9 6	0-142	4 12 18	0-178	5 16 7	7-000	228 13 8
0-035	1 2 20	0-071	2 6 9	0-107	3 9 21	0-143	4 13 10	0-179	5 16 23	8-000	261 6 16
0-036	1 3 12	0-072	2 7 1	0-108	3 10 13	0-144	4 14 2	0-180	5 17 14	9-000	294 0 0

The amalgamation tests are only made on quartz containing free gold, and an assay of the tailings saved is made, so as to arrive at the true value of the stone. For good practical battery tests on quartz the method used is first to crush and amalgamate out the free gold, then concentrate down and make fire-assay of concentrates, and finally assay the tailings. The test on the concentrates will show if they are worth saving and treating by chlorination, and cyanide may be tried on the tailings if they contain sufficient gold. The cyanide process has been twice tried on this field without success; but, after a good deal of experimenting, I brought out a method of treatment and applied the same successfully on the Cumberland tailings, which are now being worked. Two students from the school are working this plant, and I am sure, with proper treatment, most of the tailings on the field can be worked by cyanide.

Most of the fire-assays made were on quartz samples and tailings from all parts of the district, principally from Reefton, Westport, Paparoa and Victoria Ranges.

Annual Examinations.—No students from this school sat for the annual examinations at the end of the year. This was partly owing to the irregularity of the classes at the latter part of the year.

The school is governed by a president, secretary, treasurer, and a committee of four. For classes the year is divided into two terms. The membership fee is 10s. per annum, and 5s. per term is charged to students for each class attended.

Scale of Charges for Assays, &c.

	£	s.	d.
Assay of gold- and silver-ores	...	0	5 0
tailings and concentrates	...	0	5 0
Bullion assays	...	0	5 0
Meltings, bullion	...	0	10 0
Amalgamation tests under 10 lb.	...	0	5 0
under 20 lb.	...	0	10 0
over 20 lb.	...	1	0 0
Cyanide tests, small	...	1	0 0
Assays of lead- and tin-ores	...	0	5 0
copper, iron, antimony, zinc, &c.	...	0	10 0
Analysis of limestones, coal, &c.	...	1	0 0
concentrates	...	1	10 0