

ANNEXURE A.

SUMMARY OF REPORTS BY INSPECTORS OF MINES.

NORTHERN INSPECTION DISTRICT (E. J. SCOBLE, Inspector of Mines.)

QUARTZ-MINING.

I have to report as follows on the mining industry in the Northern Inspection District for the year ending 31st December, 1935:—

Martha Gold-mining Co. (Waihi), Ltd. (W. Morrison, Manager).—No. 15 level: All broken ore was drawn from Cod block on Edward lode. The rails and pipes were taken out, as there is no further payable ore to be got from this level. No. 14 level: On the Edward lode, 10,104 tons were drawn from Trout block. No. 13 level: Shrinkage stoping of Cow block on the Martha lode is in operation at 83 ft. up. No. 12 level: Breaking of ore was completed in Bath and Fahy blocks on the Empire lode. South of Eel crosscut, the Edward lode was driven on from the 80 ft. point to 672½ ft. The ore proved to be rather low grade. Grub winze was sunk 60 ft. on the Royal lode, but values were low and work was stopped. South-west of Ulster South crosscut, Ulster lode was driven on 271 ft., and north-east 87 ft. to the junction with the Royal lode. A payable stoping block, 94 ft. in length, is now being worked south-west of the Royal junction. No. 11 level (78 ft.) sub-level: On the north section of the Empire lode, all the ore was broken out to the floor of No. 11 level in Heath block. No. 11 level: Fahy north crosscut, situated 210 ft. east of Bath north-west crosscut, was driven and graded from the south branch of the Dreadnought lode to A. Harvey block. This gangway was required to replace the trucking way over Fahy and Bath blocks, where heavy pressure was showing. Mitchell and East blocks on the Empire lode were emptied of broken ore. No. 10 level: Shrinkage stoping was completed on the Martha lode. Piper arch on the Edward lode has nearly all been shot out from under No. 9 level, and 859 tons of good-grade ore were broken. All the broken ore has been drawn from Shark block. No. 10 (67 ft.) sub-level: East of Britannia pass, values in an old level were investigated and resulted in a block of ore 147 ft. in length being opened up. No. 9 (35 ft.) sub-level: Trout arch on the Edward lode was mined, with square sets, from close to Trout pass to 35 ft. south of Sprat pass. Tubman arch on the Welcome lode is now being worked out with square sets. No. 9 level: Shrinkage stoping of Stevens block on Ulster lode terminated at 45 ft. up. At 28 ft. up, an intermediate level followed the lode north-east in the Grand Junction area to the Royal lode junction. From 0 ft. to 150 ft. the reef was low grade, from there to 169 ft. it was payable. No. 9 (73 ft.) sub-level Martha lode: North section east of Pile footwall pass was extended from 18 ft. east to 218 ft. east in south part of north section. Payable values extended between 40 ft. and 215 ft. At 148 ft. a crosscut was run north 20 ft. and exposed good ore 10 ft. wide. At 105 ft. a crosscut was advanced north 22 ft. Good ore was got from 14 ft. to 18 ft. No. 8 (45 ft.) sub-level: The Empire footwall gangway was driven west to within 15 ft. of Edward filling pass, and a two compartment rise connected to No. 8 level. Empire lode arch and part of Alexandra lode taken out east of Rata pass. South of the Empire footwall gangway, 212 ft. were driven on the course of the "444 ft." reef and north 32 ft. were driven to the junction with the Empire lode. From 0 ft. to 209 ft., where driving stopped, the reef varied from 9 in. to 4 ft. in width, and values from 3s. to 60s.; 0 ft. to 23 ft. north the reef is 2½ ft. wide, worth between 26s. and 54s. per ton. No. 8 level: On the Martha lode, 4,488 tons of ore in Pile arch caved during the year. No. 7 (80 ft.) sub-level: On the Martha lode 19,268 tons were obtained from Venus arch by caving and the use of large sets. No. 7 (60 ft.) sub-level: On the Martha lode from Jim, Wyatt, Posterson, and Hamilton arches, 33,318 tons were obtained by caving and the use of large sets. No. 7 level: Shrinkage stoping is in operation on Hicks and White blocks on the Empire lode. Royal lode: Footwall gangway was driven in south wall from 354 ft. to 508 ft. west of No. 5 shaft S. E. crosscut to clear all workings and connect with original Western level. Two new shrinkage blocks, named Python and Viper, are being started. North branch of Martha lode or North leads: Breaking of ore in Peach east block was completed. A good deal of driving was done (for the purpose of testing the north branches of the Martha lode) towards the north-west end of the property with some measure of encouragement. No. 6 level: Payne winze was sunk 70 ft. on the north branch of the Martha lode. At 51 ft. a crosscut was driven north for 8 ft. The main part of the reef was 1½ ft. wide and at 1½ ft. was worth 54s. 8d. per ton. Payne shrinkage block is in operation. A north branch of the Martha lode, situated at 234 ft. in Espir west crosscut was driven on east 21 ft. Width ranged from 10 in. to 24 in., values from 14s. 4d. to 63s. 7d. per ton. It was also driven on west for 19 ft. The reef ranged from 18 in. to 30 in. in width, and values varied from 7s. 6d. to 106s. 4d. per ton. No. 6 (30 ft.) sub-level: Work is being done south of Sole pass to open up old workings on the Edward and Royal lodes, where there are values. No. 5 level: "H" branch, situated 290 ft. in No. 2 shaft S. E. crosscut was driven on west for 47 ft. The reef varies between 2 ft. and 5 ft. in width and values are between 7s. 10d. and 64s. 5d. per ton. No. 5 level: West of No. 2 shaft new N. W. crosscut was driven from 897 ft. to 1,004 ft. on the Martha lode. In places the lode was wider than the drive, but values were low. At 464 ft. west, Dix rise was put up 100 ft. and connected to No. 4 level, values low. The level was driven west of the "800 ft." crosscut for a total of 127 ft. From 0 ft. to 60 ft. was payable; the remainder was unsatisfactory. At 142 ft. in the "800 ft. west" crosscut there is a small reef which was driven on west 53 ft. From 0 ft. to 39 ft. payable, from 39 ft. to 53 ft. values poor. A total of 99 ft. was also driven east. From 0 ft. to 53 ft. payable, from 53 ft. to 99 ft. of little or no value. No. 4 level: A north branch of the Martha lode, situated 181 ft. in Gordon N. W. crosscut, was driven on westward for 52 ft. and eastward for 5 ft. Worth block, situated west of "329 ft. west" crosscut: Level widened and heightened for 117 ft. East of same crosscut, driving was done on a branch reef for 51½ ft. in good ore about 2 ft. wide. No. 3 level: North branch of Martha lode: East of No. 2 shaft new N. W. crosscut the footwall gangway was widened from 50 ft. to 111 ft. in payable ore over that length. Driving was continued on the north side of the gangway a further 59 ft. in reef varying from 5 ft. to 8 in. in width, part of which was payable. At 39 ft. east of No. 3 shaft a new N. W. crosscut was projected 57 ft., and at 50½ ft. a further part of the north branch of the Martha lode was intersected. It proved to be 2½ ft. wide and of very good value. It was driven on east for 72½ ft. and west for 85½ ft. to where it joins the north branch at 95 ft. east of Wallace north crosscut on ore of good value. At 12 ft. west, Fallon east winze was sunk in good ore and connected to Fallon east shrinkage block. No. 2 level: The main part of the Edward lode was intersected at 233 ft. in the south-east crosscut. Stone 4 ft. wide, value 119s. 6d. per ton. South drive on reef advanced 171½ ft. where lode pinches out in puggy ground. From 0 ft. to 128 ft., values high. A drive north of the Edward S. E. crosscut was advanced 89 ft. Roach winze at 107 ft. south was connected in payable ore. Cod rise was put up 85½ ft. in payable ore. West of Hooper north crosscut, Bell reef was driven on for 250 ft. The width of the reef ranged from 1 ft. to 5 ft. and values from a trace to 82s. 3d. per ton. At 141 ft. the drive followed the north branch of the Bell reef to 250 ft., where it junctions with the Martha lode. At this point the Martha lode was crosscutted north and proved to be 15 ft. wide. Values ranged from 10s. 5d. to 22s. 3d. per ton. Driving west on the Martha lode was done for 105 ft. At 104 ft., Brown N. crosscut was projected for 134 ft. to test the country for further loops of the lode. The reef varies from 2 in. to 24 in. in width. Values were low. Dutton N. W. crosscut, situated near Deadman pass, on the Martha lode, was projected into the north wall for 65 ft. Reef ranging from 6 in. to 48 in., of poor grade, was proved with this work. Surface, above Edward lode: Eel pass was sunk 45 ft. from the surface cutting. This will be connected to Cod shrinkage stope above No. 2 level for the purpose of ventilating the Edward and Royal lode workings. Open cut: Rill stoping of Dix block on the Martha lode is in operation. School drive: Ore is being won, with square sets, from Pershing and Oats blocks on the Martha lode. Haigson winze, situated near Bell pass on the north branch of the Martha lode, was sunk