

the Martha-Welcome reef system in this company's ground at two distinct points 80 ft. apart, and both on the exact line of the true bearing of these reefs in their progress eastward. The pumping of the Junction water not only completely dried the Waihi Company's lowest levels, but it also drained dry the workings in the Waihi West section of the Junction property (90 acres), which is situated on the extreme westward end of the Waihi Mine, thereby further proving an unbroken continuation of those valuable formations right through both sections of the Grand Junction Mine, which only requires adequate pumping, winding, and reduction machinery to establish its undoubted value."

Waihi-Silverton Mine (Area, 174 acres; owners, Waihi-Silverton Gold-mining Company; mine-manager, H. W. Moore).—Work in this mine was steadily carried on during the year. The shaft was sunk to a further depth of 70 ft., and No. 4 level was opened out at 320 ft. from the surface, from which a cross-cut has been driven, and the reef intersected. Driving on the reef was carried on in a northerly and also in a southerly direction from the cross-cut. The reef is about 10 ft. in width, and the quartz of a more valuable kind than that which has latterly been sent to the mill. Extensive driving and stoping operations were carried out on the reefs at No. 3 level, from which the bulk of the material operated on at the battery was obtained. It was found necessary to overhaul the mill, and in consequence of the stoppage for that purpose a less quantity of quartz than otherwise would have been the case was dealt with, and the returns consequently curtailed. The quartz coming to hand shows improvement, and it may fairly be expected that the returns will show an increase. The quantity of quartz crushed was 8,350 tons, which yielded 6,738 oz. of gold, valued at £11,501 4s. 5d. The average number of men employed was 105 during the year.

Waihi Gladstone Mine (Area, 62 acres and 8 perches; owners, Waihi Gladstone Gold-mining Company, Limited; mine-manager, S. Radford).—This mine, which adjoins the Silverton, has been well prospected since the present owners came into possession. A shaft has been sunk to a depth of 187 ft., and two levels opened at depths of 100 ft. and 200 ft. respectively. There are three reefs on the property, the ore being of a refractory character. No crushing of quartz has been recorded during the year. Seven wages-men are employed.

Favona and Brilliant Mine (Area, 200 acres; owners, Waihi Consolidated Gold-mine, Limited; mine-manager, Charles McLean).—This mine is worked from a shaft, the depth of which is 310 ft., and the greatest depth of workings below surface is 300 ft. Three levels are opened—at 80 ft., 200 ft., and 300 ft. During the year the shaft was sunk 110 ft. and a level opened at 300 ft. At this level cross-cuts were driven both to the eastward and westward. In the eastern cross-cut four reefs were cut, and in the other a reef formation 60 ft. in width was driven through. The machinery consists of one compound tandem condensing engine, 250 nominal horse-power, used for pumping and driving 12 in. plunger and draw-lift; one Tangye winding-engine, 20-horse power; one steel boiler, 60-horse power; one Tangye boiler, 12-horse power; one duplex engine, 2½-horse power, for feeding boiler: value, £2,775.

Waihi Extended Mine (Area, 100 acres; owner, Waihi Extended Gold-mining Company; mine-manager, Thomas Johns).—Owing to the mine being protected for a part of the past twelve months, very little development work has been done. The greater portion of the ground is very flat country, and the only prospecting done was on the hilly ground, by driving adit-levels, but so far no reefs or leaders have been intersected. The mine adjoins the Grand Junction on its north-east boundary. The development work done by that company proves that the reefs in the Waihi Mine traverse through the Grand Junction Company's ground, and probably through the flat portion of the Waihi Extended. This part of the property can only be tested by sinking a shaft, and the erection of machinery which will entail the outlay of a considerable amount of capital.

Waihi Consols Mine (Area, 200 acres; owners, Waihi Consols Gold-mining Company).—Operations in this mine have been confined to further sinking the shaft, which has now attained the depth of 160 ft. It is intended to sink the shaft to a depth of 500 ft. before levels are opened to prospect for reefs. Steam-pumps are used for the water. Fourteen men were employed.

Waihi Beach Claims.—The work done in the above claim has been of a very limited nature, and negotiations were in hand for the amalgamation of the properties and raising capital to work the claims, but the result so far is not to hand. A reef 3 ft. 6 in. wide was exposed, on which a little prospecting was done, and the result of testing proved satisfactory. In the Ocean View Extended a reef 5 ft. wide was driven on for about 100 ft.

Karangahake District.

Woodstock Mine (Area, 72 acres; owner, Woodstock Gold-mining Company, Limited; mine-manager, Clement Augustus Cornes).—This mine is worked from levels, the longest or lowest adit-level being 1,100 ft. in length, and the greatest depth of workings below the surface is 709 ft., six levels being opened, at the following depths: No. 1, 150 ft.; Interim, 270 ft.; No. 2, 418 ft.; No. 3, 553 ft.; No. 4, 629 ft.; and No. 5, 709 ft. There are three reefs—the Maria, Shepherds, and the Woodstock—which are of a hard flinty quartz, with good standing-walls, and the country rock andesite. The development work consisted of the extension of levels, with rises and winzes to connect them. The milling machinery consists of forty stamps, 850 lb.; two Blake-Marsden stone-breakers; one Gates crusher; two berdans; fourteen Vanner concentrators; and twelve cyanide percolation vats, 62 tons capacity each. The amount of quartz crushed was 19,850 tons, yielding bullion to the value of £7,671 0s. 10d. by amalgamation, £1,923 14s. by concentration, and £7,202 7s. 5d. by the cyanide treatment, making a total value of £16,797 2s. 3d. The average number of men employed during the year was 161. The general manager (Mr. Frank Rich) gives the following description of the mine and workings for the year:—

"All the levels of the Maria lode, in the Woodstock Mine, are now being worked, and the ore won therefrom is of very varying mineral character and quality, in the upper levels being generally more oxidized, lower in value, and containing less silver-value than the average; it is also more