is continuous for this vertical distance. The horizontal boundaries of this ore body have not been clearly defined, but it is probably some 600 feet in length by 20 to 25 feet in thickness, carrying 3% to 4% copper.

At the "Cabin Bluff" showing there is a considerable depression in the ground, which appears to have been caused by the oxidising and dissolving out of the pyrites ore-body, and there is a large deposit of hæmatite in a small flat of ten acres south of the ore showings, where this dissolved out ore has been re-deposited. Samples of this deposit gave the following assay: Iron, 60%; gold, 0.10 oz.; copper, 0.2%.

The country rock in the vicinity of the ore-body is made up of altered argillites or shales, traversed by felsite, diabase and porphorite dykes, these dykes being of later origin than the ore. In some parts of the deposits there is a vein filling of quartz, but the main body is composed of solid sulphide ores.

There is an 87-foot water-fall on a small creek $1\frac{3}{4}$ miles northward of the main tunnel, where 600 horse-power is developed by an impact wheel of Pelton type. This runs an 8-drill Rand compressor and also a small saw-mill capable of cutting 7,000 feet a day of rough lumber.

Transportation facilities are being provided by the installing of 2,500 feet of gravity tramway and one mile of an electric tramroad on a seven-tenths of one per cent. grade. This will bring the ore to deep water, where it can be shipped to any of the coast smelters.

The property is under the general direction of Mr. M. K. Rodgers, American Bank Building, Seattle.

SUMMARY.

Since the Portland canal district was examined, three years ago, a considerable amount of development work has been done, with results that have been quite encouraging. The veins have proved permanent in character and have given returns which were very satisfactory. The results obtained by the development work done on the Little Joe vein serve as an indication of what may be expected by the opening up of other prospects having fissures of a similar character. A number of such prospects have as good surface showings as could be seen on the Little Joe three years ago, and there is every reason to hope that, with equal development work, they will become quite as valuable properties.

There still remains ample ground that either has not been prospected at all or only in a very hurried and superficial manner, and the country at the head of Bear river and between Bear river and American creek seems to promise a return for careful prospecting. The districts at the head of Salmon river and Marmot river have also hardly been touched, while much unknown ground lies at the head of Hastings arm of Observatory inlet.

The Government has dealt generously with the district in providing transportation facilities, and the outlook for this section of the Province is such that there is every reason to believe that the faith thus shown has not been misplaced.