

I very much doubt if such work would result profitably, because all of the tributaries of the river have their sources in extensive glaciers. Owing to this the beds of these streams are full of immense granite boulders, deposited from slides, and undoubtedly the bed rock is very deep. Some of the Indians obtain placer gold in limited quantities from Green River and its tributaries, which also empties into Lillooet Lake, near the mouth of the Upper Lillooet River, and runs parallel to that river for about 10 miles, but heads at Green Lake, running nearly north from there to Pemberton Meadows.

If ever this section of British Columbia becomes a mining centre of any prominence the falls on Green River, about 3 miles from the valley of the Lillooet, will be very valuable because they will furnish at least 2,500 or 3,000 h. p. if improved. The river above the main falls, when visited by the writer recently, was about 300 feet wide, and carried an immense volume of water. This enters a rocky defile, not over 50 feet wide, into which the entire volume of water is forced, over a granite precipice, falling at least 100 feet at one plunge.

The writer has found some immense ledges of partially oxidized quartz carrying large quantities of iron pyrites, but so far as he has tested, yielding no free gold by panning. Some of these are between 700 and 800 feet in thickness, as exposed where cross cut by the waters of one of the tributaries of Green River. As no assays have been made or work done to determine the character of the ledges away from the action of the waters, of course it is impossible to express any opinion as to value, beyond the mere statement that owing to the great extent and favourable surroundings as to water power the fact of being within 60 miles of tide water, close to the rich agricultural land of the Pemberton Meadows, they should prove of value, even though the ore should be of low grade.

The granites which have been referred to, in previous letters, as being the prevailing country rock on the Lower Lillooet River, continue along both shores of the upper river. Indeed, the course of the river follows the trend of the mountains, and is from northwest to southeast.

Occasionally trap dikes have intruded, and wherever this is the case there are good indications of mineralization. But so far as the observation extended, but few ledges or veins of quartz occurred on either side of the river.

So far as could be observed of the geology of the Chilcote Pass, which is nearly all hidden by soil and heavy covering of moss, the formation changed from granite to quartz, diorite and diabase rocks about two miles north of the Lillooet River, and these with occasional occurrences of serpentine, were apparently the prevailing country rock of the section. The iron oxides, and gossan occurring in the mountains surrounding the pass, have given them a brownish red color, which can be seen for miles with the naked eye, and specimens of quartz secured from precipitous mountain sides free from snow, were heavily impregnated with iron pyrites, only partially oxidized. The absence of stakes demonstrated that the prospector had not yet reached the pass, although 20 miles to the north it is reported that there are a great many working on Bridge River and its tributaries.

CARIBOO.

A large amount of gold dust, valued at \$73,700, the greater part of which was from the Cariboo Hydraulic Mine, and the result of the first run of the season, was brought down by the B. X. stage to Ashcroft, this month. It is believed that the next wash-up at this famous hydraulic property will give even better results, but really large returns cannot be anticipated until the completion of the Moorhead ditch, which is now well under way, but will not be finished till next season. At Horsefly, \$5,000 in dust was obtained from a three days' run, and it is said that the cemented gravel is yielding nearly double the values obtained last year.

KAMLOOPS.

(From our own Correspondent.)

THERE have been practically no changes in mining matters here during the past month. Work, which was temporarily suspended owing to broken machinery, has been resumed upon the Pothook. Some fourteen men are employed on this claim, and ore is being sacked daily ready for shipment. Work has also been resumed on the Ajax, in the Jacko Lake section of the camp.

The owners of the Erin are still hard at work cross-cutting. The ore body is very large, though of low grade.

The Kamloops *Mining Record* for June has made its appearance. It is a useful little publication.

The bond on the Copper King was not taken up, but this does not affect the owner's faith in the claim.

A number of claims have been re-staked recently, but no new discoveries of moment have yet been made.

VERNON AND VICINITY.

(From our own Correspondent.)

There has been little activity in mining in the immediate vicinity of Vernon of late. Fairview camp seems to be very active, and several companies are getting in more machinery, notably the Smuggler, which expects a 20-stamp mill in a few days. Machinery is also being taken to and installed at Camp McKinney, the Cariboo mine, while several other properties are preparing for plants of various power. Coming nearer home again I may mention a visit to the Kathleen mine, belonging to the Canadian American Gold Mining Company. This is a very good looking proposition lying in a syenite and porphyry formation. The ledge on the surface is a rose-coloured decomposed quartz, which can be traced for the length of three claims, standing out like a wall. Three shifts of men are now at work here, and a tunnel has been driven in about fifty feet. The face of the tunnel shows a rich appearing honeycombed quartz, and from forty to fifty colours can be washed from the drillings, free gold being plainly visible. This property lies about twenty-five miles west of the new town of Peachland.

Work is also being steadily pushed ahead on the Alma Mater, another promising claim belonging to the same company, and some good looking chalcopryite, carrying gold, has been struck at a distance of thirty feet in the tunnel.

Some very fine specimens of galena ore were recently brought into Vernon from the Prince of Wales claim, situated near the Silver Star Mining Company's claims. The Silver Star Company are for the present blocked by water, and nothing can be done until the necessary pumping machinery arrives.

There is likely to be some activity shortly in the vicinity of the Denzy claim, as we hear that the owners of that property intend acquiring some of the adjacent claims.

The owners of the various good looking properties have at last come to the conclusion that in order to test the value of the claims it is absolutely necessary to sink to greater depths than those yet reached in Vernon claims.

FAIRVIEW.

(From our own Correspondent.)

At last the Smuggler's directors have arrived in camp, and report that they passed the machinery for the Company's 20-stamp mill on the road. A new strike of rich ore has just been made in this mine, and the property looks first-class.

The drift from the bottom of the shaft in the central ledge of the Stenwinder claim, has just been put through, cutting the North ledge at the depth of ninety feet. This ledge looks very well at the point of connection, showing a little free gold visible, and galena.

BOUNDARY CREEK.

There is much activity in this district, and at several properties, chiefly in Greenwood Camp, work is being carried on upon a large scale. Thirty men are now employed at the Old Ironsides—a very promising claim with an enormous showing, owned by a company, the shares in which are principally held in Spokane and Eastern Canada. A ten drill compressor plant has been installed, and the new tunnel has been driven a distance of over one hundred feet, eighty feet in ore. A sad and fatal accident is reported to have occurred at the Snowshoe, in the same camp, a bucket, while being hoisted from a shaft, becoming detached from the rope, and falling on the head of a miner below, death resulting a few hours afterwards. This is the second fatal accident of the same description that has taken place in South Yale within the last few weeks. The machinery for the Mother Lode has, after a somewhat tedious delay, arrived at its destination, and the development of this promising prospect will be prosecuted vigorously henceforward. Work is also proceeding on several properties in White's, Wellington, Summit and Long Lake camps, and all reports are very encouraging.

ROSSLAND.

For the first two weeks of the month no shipments were made from the Le Roi, development work being in progress. The mine, however, commenced shipments on the 11th,