

flat-bottomed valleys of a number of tributaries of the rivers just mentioned. These rise together near the central part of the original plateau, which constitutes the highest ground in the vicinity and is known as The Dome. Very numerous short and narrow tributary valleys and gulches join the several larger streams along their courses, to nearly all of which local names have now been applied.

The gold is found and worked in the gravel deposits of the valleys and their adjacent slopes. It is evidently local in its origin, for it is usually but little worn by attrition and often still contains quartz, and the associated gravels themselves are composed solely of the rocks of the immediate vicinity. So far, little gold has been discovered in the parent rock, but lode mining or "quartz mining" may confidently be looked forward to in the near future in such a district.

Several classes of gravel deposits are recognized and have been described by Mr. R. G. McConnell of the Geological Survey. The most important of these are those known as the "quartz drift" and the "stream gravels." The first occur at some height above the present streams, covering the nearly flat rocky floors of older and shallower valleys, into which the streams have, at a later period, cut the deep valleys in which they now run. The quartz drift thus represents an ancient auriferous deposit washed down from the decaying rocks of the neighbouring plateau, while the stream gravels contain the further-concentrated gold derived from portions of the quartz drift which have been re-washed, together with additional gold resulting from the later excavation of the streams in the rocks of the district.

It is perhaps difficult to make the origin of these deposits clear by a description so brief as can be accorded to them here, but the result of the long natural processes of wearing down and concentration has been to accumulate a great body of generally rich gold-bearing gravels in and about these valleys of the Klondike. It seems probable, in fact, from the examinations already made, that gold to the value of at least \$95,000,000 will, within the next few years, be produced from the gravel deposits