

"2. Schistose diorite and greenish or black horn-blende-schist with porphyritic crystals of hornblende.

"3. Bluish grey and greenish, obscurely granular quartz mica rock, with a light tinge of pink, passing into fine gneiss. A large quantity of calcite is present in the joints, and also as one of the constituents.

"4. Bright green, chloritic and talcose, pearly schist.

"5. Compact and obscurely porphyritic felsite.

"6. Bluish-grey feldspathic schists, containing both mica and hornblende, and breaking into rhomboidal blocks.

"All the rocks contain white vitreous quartz, full of cavities, filled with iron-ochre, part of which at least seems to result from the decomposition of a ferruginous carbonate. Calcite also exists in some of the veins, and the quartz is not unlike some of the goldbearing quartz of the Nova Scotia Gold Districts.

"7. Pearly, feldspathic shales with long, dark crystals of actinolite.

"8. Light bluish-grey, argillaceous slates containing much finely divided mica; quartz veins in the bedding, one of which, 2 feet thick, has an obscurely laminated structure.

"9. Grey flinty shales, perhaps a more altered form of No. 8.

"10. Bright red syenite, without much hornblende, not included in the above estimate of the thickness, and occurring at the head of the brook."

In the "bright green, chloritic and talcose, pearly schist" (No. 1 above), which belt is 75 feet wide, as shown in the "Working Tunnel," is located the "Lizard Vein." Of this Dr. Woodman, in his report to the Commissioner of Mines for the Province of Nova Scotia, on page 9, says:

"This (the 'Lizard Lode') is irregular in strike, but runs very roughly parallel with the bedded leads. Its dip is north, at a somewhat higher angle than that of the country rock, and in places vertical. The fissure varies in width from 15 inches to three feet, and is filled almost entirely by quartz, often with a banded structure near and parallel to the margins and with drusy cavities near the centre. The vein is frequently swelled and pinched, and slickensides along its contact show much slipping. Both walls are of soft schist. Close to the foot-wall is a mass of hornblende-syenite-gneiss one hundred feet wide. (Actual measurement shows this to be thirty-six feet wide. T. K.) South of this intrusive is a peculiar black schist, more massive than those on