

Hill, on the road from Eel River to Canterbury, and several quarries have been here opened, but the lime manufactured from them cannot compete, either as regards price or quality, with that derived from the limestone quarries near St. John. The Silurian limestones are more abundant and more serviceable, but the more important beds, those of the Beccaugimic region, are beyond the area to which the present report relates. On the western side of the St. John River, the representatives of these calcareous beds have been referred to as exposed at Ivy's Corner, south-west of Debec Junction, and here also some lime was formerly burnt, but the unfavorable position of the deposits, together with the difficulty and cost of drainage, have led to their abandonment.

*Granite, Syenite, &c.*—Over the very extensive area occupied by granitic rocks in York county, there are comparatively few points where these are of such a character or are so situated as to be available for economic purposes. Along the main line of the New Brunswick railway, between McAdam and Canterbury, though boulders of this rock, often of enormous size, are thickly scattered over the entire country, few actual ledges are anywhere visible, and the same remark applies to much of the region about the Chepedueck lakes. On the St. John River, however, there are extensive outcrops directly along the waters' edge, and from them any desired quantity might readily and cheaply be removed. Much of the rock is coarsely crystalline and porphyritic, and of the ordinary grey colour, but other portions are finer, more uniform, and of various shades of pink or red. The handsomest varieties were seen just at and below the mouth of the Pokiok, where a rich red granite occurs, quite equal in depth and brilliancy of colouring to any of those now derived from the quarries at St. George, in Charlotte county. The rock about the Nacawicac, south of Millville, though of the ordinary grey variety, seems to be of excellent quality, and is highly valued for local use. From its proximity to the railway it is favorably situated for removal.

The chief band of syenites, and the only one which seems capable of affording material for economic use, within the region examined, is that extending between Eel River at Benton and the St. John River below Woodstock. Much of this rock is highly crystalline, of a bright-red colour and uniform texture, and would answer for many of the purposes to which granite is applied, though little is yet known of its relative durability. Near Benton the rock is peculiar in containing a nearly uniform admixture of a pale grass-green epidote, presenting a handsome appearance when polished.

*Felsite, Quartz-porphyr.*—Several belts of this character have been described as crossing the line of the New Brunswick railway,