

to the northeast and east at angles of twenty to forty degrees. At the northern end in an outcrop which is seen a short distance east of the road which traverses the Triangle ranch, and about one mile and three-fourths from the post-road, the dip of the shales and contained coal is to the southeast, indicating the northern limit of the basin in this direction, while at the south end the dip is to the east and northeast.

"From an examination of a number of outcrops it would appear that there are at least six seams of coal and probably a seventh.

"What is probably the lowest of these seams is disclosed in a small excavation on the north flank of the hill in the Triangle ranch, already referred to as about two miles southeast of the post-road. The outcrop at this place is at an elevation of one hundred feet above the flat and includes a considerable thickness of dark-grey and black carbonaceous shales with a dip of S. 65 E. at an angle of 40 degrees. In this outcrop several seams of coal appear, resting on a brown shale at the base. This was opened up by an excavation extending into the bank for about eight feet and the coal became much more pronounced in this distance, shewing a thickness of coal with shale partings of about six feet. Above this outcrop at a further elevation of fifty feet is another outcrop of brown and black carbonaceous shale, also holding thin bands of coal, but this was not opened up at the date of my visit, so that its actual coal contents was not ascertained. It may possibly indicate another well defined coal seam and is worth proving. These two outcrops apparently represent the lowest seams in this part of the basin.

"Ascending the creek, in a gully to the east on lot 1267, official plan, greyish sandstone and shale similar to those seen in the Nicola basin and the coal gully, are exposed, with beds of conglomerate and carbonaceous shale. These dip N. 60 E. 20 degrees. Thin beds of coal also occur but owing to the clay deposits it is impossible to determine the exact succession of beds at this place. Similar rocks are seen in several parallel side gullies, and seams of coal from four to six feet in thickness are reported as outcropping at elevations of about three hundred and fifty feet above the creek bottom.