

Fairview, Penticton, Summerland, Peachland, Kelowna and Vernon, gives connection with all telegraph systems.

On the large ranges extending thirty to fifty miles in every direction from Diamond Vale, some 50,000 to 75,000 head of cattle and horses are fed. The bunch-grass ranges of Nicola comprise the largest and best stocked ranges in Canada, and have the best climate for cattle raising. For more than twenty years this industry has been very successfully carried on here. Cattle and horses are not housed in winter and require to be fed for a short time only. The short winter is very mild, the summer warm and dry. Apples and small fruits are successfully cultivated.

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#### GEOLOGY.

Dr. Ells, of the Canadian Geological Survey, examined this coalfield for the Canadian Government in 1904, and reported as follows: "The greater part of this area lies to the east of Quilchenna creek and the sandstones and associated rocks pertaining to the coal formation terminate against the volcanics along a gully, situated about one mile and a half southeast of the post road at Quilchenna postoffice. South of this the formation occurs as a rather prominent ridge facing steeply towards the creek and rising on the east side to an elevation of 750 to 900 feet above the creek bottom. On the west side of the creek the area of coal rock is small. The volcanics are well outlined and approach within a short distance of the stream, except at one point in a gully near the middle of the Indian reservation, where they have a breadth of nearly one mile, and here are reported to hold a small but much broken seam of coal.

"Practically, therefore, the economic portion of this basin is confined to that portion lying to the east of the creek. In this area the rocks are exposed in a number of gullies which traverse the western slope of the area. In these a series of sandstones, conglomerates and shales are seen, which have a general dip

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