

several miles in extent, and its nearly horizontal attitude and moderate depth below the surface of the plains, would enable it to be proved by boring, at a small expense, over any desired area.

In texture this coal is not so firm or well adapted for transport as those of the localities previously described, but in composition appears closely to resemble that of Horse-shoe Bend.

The following are analyses of the fuel from this place; the first, from a specimen obtained by Prof. Macoun; the second, from one collected by myself, and probably not subjected to such prolonged desiccation:—

	I.	II.
Water .....	10.72	13.20
Volatile combustible matter .....	29.26	33.80
Fixed carbon .....	46.09	48.10
Ash .....	13.93	4.90
	<hr/> 100.00	<hr/> 100.00

Four coal-bearing localities on the head waters of the Old-Man River appear to be of sufficient importance to obtain notice at the present time, but as the country toward the base of the mountains becomes more fully known, it is probable that numerous additional outcrops will be discovered.

At the Government Indian Farm, south of Pincher Creek, a seam of coal occurs about one mile from the farm buildings, up the valley of the small stream on which they are situated. The rocks in the lower part of the valley belong to the St. Mary River subdivision of the Laramie, and dip north-north-east (mag.) Their angle gradually increases from about 20° till the beds become nearly vertical where the coal occurs. Beyond this point the rocks are concealed, but the coal probably occupies a position very near the base of the Laramie.

Near the coal seam the beds have been much disturbed, and the coal itself is slickensided and broken throughout in such a way as to cause it to crumble easily by handling. The seam is two feet in thickness where exposed, but is said to have been considerably thicker where followed into the bank. The opening made on the coal has, however, since been filled in. This seam should re-appear on Pincher Creek above the crossing place of the road, but the horizon at which it should occur appears to be covered.