

*Elbow River.*

Near the top of Forgetmenot ridge, half a mile north of the Elbow river, the following seams were measured, but others may be there as the section was rapidly made. Considerable work would be here required to get a perfectly accurate and complete section:

|                    | Feet. | Inches. |
|--------------------|-------|---------|
| 1 coal seam        | 5     | 4       |
| 1 "                | 2     | 6       |
| 1 "                | 4     | 0       |
| 2 coal seams, each | 2     | 0       |
| 1 coal seam        | 1     | 2       |
| 1 "                | 0     | 11      |
| 1 "                | 0     | 10      |
| 1 "                | 0     | 9       |
| 2 coal seams, each | 0     | 8       |
| 1 coal seam        | 0     | 7       |
| 1 "                | 0     | 6       |
| Total              | 21    | 11      |

An average outcrop sample of very badly weathered coal was taken from the five foot, four inch seam in the above section, and gives:—

|        |                    |               |       |
|--------|--------------------|---------------|-------|
| Water. | Vol. comb. matter. | Fixed carbon. | Ash.  |
| 6.68%  | 20.68%             | 64.71%        | 7.93% |

The measures outcrop equally well on both the north and south sides of the Elbow, and the outcrop could easily be traced to the river level where it could be definitely fixed with a small amount of work, thus affording favourable points for mining by driving in on the coal at convenient levels above the river.

*South Branch of Sheep River.*

The Kootanie formation outcropping along the eastern side of Lower Camp on the south branch of Sheep river is somewhat narrow, and the coal is of less importance than at many other localities visited this season. This is due, to some extent, to the extensive fault running north and south, just east of the measures here, which, in all probability, cuts off part of the originally exposed formation. A slope with a very low angle of dip has been run on a three foot seam in these measures for a considerable distance, the entrance to which is just above the wagon road running up this river. This is the best seam noticed here. An average outcrop sample analysed by Dr. Hoffmann, yielded:—

|        |                    |               |       |
|--------|--------------------|---------------|-------|
| Water. | Vol. comb. matter. | Fixed carbon. | Ash.  |
| 0.69%  | 19.98%             | 73.42%        | 6.21% |

The sample was taken from the surface as the slope was filled with water.

These same measures also outcrop on the north side of Hoffmann mountain, farther up the river, and in the river banks below it. At