

Assuming a dip of 12° , and the undisturbed continuation of the beds, this area would contain approximately, to a vertical depth of 1,500 feet, which is for this calculation assumed as the maximum depth mining will be carried to: (See Appendix A.)

| | |
|------------------|------------|
| No. 1 Seam, tons | 3,360,000 |
| " 2 " " | 6,720,000 |
| " 3 " " | 4,320,000 |
| " 4 " " | 13,440,000 |
| " 5 " " | 3,000,000 |
| " 6 " " | 1,500,000 |
| Total | 32,340,000 |

The outside area held by Mr. H. Grahame would hold, above the vertical depth of 1,500 feet assumed for this calculation as the maximum depth to which mining will be carried, at a uniform dip of 12° , the following section of coal:—

A plane of the No. 1 or 3 feet 6 inch seam outcropping near the shore 60 by 200 chains, and a plane of the No. 2 or 7 feet seam underlying it 376 feet, 40 by 200 chains. This would give the following coal contents:—

| | |
|------------------|------------|
| Seam No. 1, tons | 6,300,000 |
| " " 2, " | 8,400,000 |
| Total | 14,700,000 |

I now pass to the W. J. Ross land area, lease 3/11: I am not in possession of any definite information as to the passage of the Broad Cove Coal seams over this area. Judging from the information contained in the Geological Survey map, and its relation to the areas of the Inverness Coal Company which it adjoins to the south-west, it should be underlain by workable amounts of the 14 feet and lower seams, giving about the following amounts of coal:—

| | |
|-------------------------|-----------|
| No. 4, 14 feet Seam | 2,100,000 |
| " 5, 3 " " | 1,350,000 |
| " 6, 3 feet 9 inch Seam | 2,850,000 |
| Total | 6,300,000 |

The Chipman area lies in the same position relative to the W. J. Ross area as the Ross Fraser area does to those of the Inverness Company, and holds the seaward extension of the seams referred to above. From my information and personal knowledge of the ground I believe that the 14 feet seam could be followed over about 500 acres of this property, the 3 feet and 3 feet 9 inch seams would be within a workable depth over all the property.

This would give approximately the following coal contents:—

| | |
|--------------------------|------------|
| 14 feet Seam, tons | 11,400,000 |
| 3 " " " | 2,880,000 |
| 3 feet 9 inch Seam, tons | 3,600,000 |
| Total | 17,880,000 |