

REPORT

Of the Broad Cove Coal Field, Inverness, Cape Breton, by the
Inspector-General of Coal and Gold Mines for the Province of
Nova Scotia.

BEDFORD, (Halifax, N. S.), January 22nd, 1889.

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DEAR SIR,—In giving you any figures about the amounts of coal in the Broad Cove Coal Field I have found it difficult to get at any exact information as to the range of the different seams over the various areas. There are apparently several unproven seams and the sections are not yet sufficiently worked out to enable me to give my information as decidedly as I would wish.

Taking the Departmental and Survey maps, the Broad Cove Brook appears to show the following section in descending order, compiled from the various reports I have examined :—

No. 1 Seam (near the shore).....	3 ft., 6 in.
Strata.....	376 feet.
No. 2 Seam	7 "
Strata.....	437 "
No. 3 Seam	4 ft., 6 in
No. 4 Strata and 14 feet Seam	303 feet.
No. 5 Seam	3 "
Strata.....	32 "
No. 6 Seam	3 ft., 9 in.

The lowest, or 3 feet 9 inch seam, being apparently one marked as out-cropping on the Brook where crossed by the rear line of lease $\frac{1}{2}$ of the Inverness Coal and R. R. Co. These seams enter the land a little to the north of the Inverness Co's. areas, sweep inland, and re-enter the sea about three miles to the southward.

Assuming for the seams in the areas of the Inverness Company a uniform dip of 12° (degrees), the following approximate calculations will, I think, prove reliable :—

Seam No.	1, tons.....	787,500
" "	2, "	3,150,000
" "	3, "	3,206,250
" "	4, "	12,600,000
" "	5, "	3,262,500
" "	6, "	6,975,000
Total.....		29,981,250

The Ross Fraser sea area, lying immediately to the north-west of the Inverness Company's areas; and 33 chains wide and $2\frac{1}{2}$ miles long, holds the sub-marine extension of the seams found on the land as given in the above section. All these seams should prove workable in it exclusive of part of the top seam.