

Fracture, irregular. Weathers dark reddish-brown. A partial analysis of this specimen gave:—

|                                    |        |
|------------------------------------|--------|
| Ferrons oxide.....                 | 37.985 |
| Ferric oxide.....                  | .811   |
| Water, hygroscopic.....            | .634   |
| Insoluble residue.....             | 22.511 |
| Metallc iron, total amount of..... | 30.112 |

## MANGANESE ORES.

Manganese  
ores—Analysis  
of.

- 1.—From the Glenmore or Morrison mine, Salmon-River road, about two miles east of the head of Loch Lomond, Cape Breton county, Nova Scotia.

This specimen consisted almost exclusively of pyrolusite; a partial analysis of the same—after drying at 100° C.—afforded Mr. F. D. Adams, the following results:—

|                        |                 |
|------------------------|-----------------|
| Manganese dioxide..... | 91.84 per cent. |
| Ferric oxide.....      | .12 " "         |
| Insoluble residue..... | 2.91 " "        |

Pyrolusite from  
near Loch  
Lomond, Nova  
Scotia.

Bog manganese  
from Boular-  
derie Island,  
Nova Scotia.

- 2.—Bog Manganese, from the vicinity of Big Harbour, Boularderie Island, Cape Breton, Nova Scotia. The deposit is stated to be an extensive one.

This sample was in the form of porous friable lumps, varying in color from dark-brown to brownish and bluish black. A partial analysis, by Mr. F. D. Adams, gave the following results:—

|                        |                 |
|------------------------|-----------------|
| Manganese dioxide..... | 25.42 per cent. |
| Water.....             | 33.52 " "       |

Judging from specimens, collected in previous years, from this locality, I am disposed to regard the one in question as a picked and not an average sample of this deposit.

## GOLD AND SILVER ASSAYS.

*The following assays were all conducted by Mr. Frank D. Adams:—*

## PROVINCE OF NOVA SCOTIA.

Gold and Silver  
assays.

- 1.—From a large brook, a little above the Salmon River road, seven miles from the head of Loch Lomond, and six miles from Mira.

The specimen, a single fragment, weighed four and a half ounces; it consisted of a breccia through which was disseminated galena in