

Appendix
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HULL:—			
On the twelfth lot, seventh concession, immediately in the middle of the front, there is a good deer-lick. The water is slightly sulphurous. It issues from the metamorphic rocks.....	1	0	0
NEPEAN:—			
On the seventeenth lot, fifth concession, there is a slightly sulphurous spring, which is a good deer-lick.....	1	0	0
BECKWITH:—			
On the twenty-second or twenty-third lot, sixth concession, there is said to be a sulphurous spring: it is near Ferguson's farm.....	1	0	0
FITZROY:—			
On the twelfth lot, sixth concession, twenty-five yards from the seventh concession, towards the northeast corner, there is a copious spring, which is slightly sulphurous. It comes from beneath twelve feet of clay, and it is mixed with a large quantity of fresh water, which issues into the spring from the bank, it is called Grant's Spring, On the nineteenth lot, fourth concession, there is said to be a saline spring.....	1	0	0
On the fifteenth lot, fourth concession, on Mr. Quigley's land, a saline spring issues from the base of a bank of reddish clay. It oozes from a breadth of thirty yards, but the supply at any one place is small.....	0	1	0
On the tenth lot, second concession, on the property of Mr. Gillon, there is a saline spring. It is supposed to yield sixty gallons in twenty-four hours. It is situated on the margin of a small brook, called Gillon's Brook, which flows in a dingle about twenty feet below the level of the country. The banks are composed of stiff clay. There is a slightly sulphurous spring, not far from the same place, in the bed of the brook.....	0	1	0
PACKENHAM:—			
Behind the church, in a dingle, at the village of Packenham, there is a fine abundant spring, which is slightly sulphurous. It was formerly a great deer-lick.....	1	0	0
On the twenty-seventh lot, twelfth concession, on the left bank of the Madawaska, about half a mile above the mouth of the Wabo-lac River, there is an abundant saline spring. The soil in the vicinity is clay.....	0	1	0
BAGOT:—			
On the fifteenth lot, third concession, about a mile from the left bank of the Bonnacchère, there is said to be a saline spring.....	0	1	0
WESTMEATH:—			
On the twenty-third lot, sixth concession, on Tucker's Creek, a copious spring issues from the summit of a mound, which is five feet high, and is surrounded by the creek. The water is chalybeate, and leaves a deposit of the oxide of iron.....	0	0	1
In the middle of the thirteenth lot, sixth concession, there is a copious spring, which issues from the summit of a mound about five feet high and about eighteen feet in diameter at the base. The mound appears to be composed of moss, with a few twigs and small fragments of wood, all encrusted with carbonate of lime. The spring is called the Petrifying Spring. It deposits a large quantity of carbonate of lime and oxide of iron. The water has a very slight sulphurous taste.....	1	0	0
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chemical analysis, and have now the honor to submit the following results obtained with those from the region of the Ottawa. In the analysis of the ores from each locality, I have endeavored to select from a variety of specimens, such as would afford an average result.

Magnetic Iron Ores:—

1. Magnetic ore from Myers' Lake, Township of Shebrooke South. 100 parts of this yielded

Magnetic oxyd of iron,.....	87.00=63.00 metallic iron.
Silica and mica mechanically mixed,	12.08
	99.08

2. Magnetic ore of a granular texture, with scales of graphite intermixed, from the eleventh lot of the seventh concession of Hull. 100 parts of an average specimen gave

Magnetic oxyd of iron,.....	96.09=69.65 metallic iron.
Silica and graphite,	3.18
	99.27

Specular Iron Ore. A compact specimen of this ore from the Madawaska, on the sixth lot between concessions C and D of the Township of MacNab was examined. 100 parts yielded

Peroxyd of Iron,.....	84.10=58.87 metallic iron.
Silica,.....	4.00
Carbonate of lime,.....	8.80
Water by loss,.....	3.10
	100.00

The silica and carbonate of lime are accidental impurities, and are disseminated in little spots and veins. The ore is when pure, a peroxyd of iron only.

Bog Iron Ores. These consist of peroxyd of iron combined with water and some organic acids derived from the decomposition of vegetable substances, which are included with the water under the title of organic matter. In the analyses, regard was had to the detection of lime and manganese, but although frequently present, in no instance was their quantity sufficient to be estimated.

1. Bog ore from Petite Côte, Vaudreuil. 100 parts gave

Peroxyd of iron,.....	74.50=52.00 metallic iron.
Alumina,.....	0.30
Silica,.....	7.10
Water and organic matter,.....	18.95
	100.85

2. Bog ore from Mr. Lancaster's lot, Côte St. Charles, Vaudreuil. 100 parts gave

Peroxyd of iron,	76.95=53.8 metallic iron.
Alumina,.....	0.80
Silica,.....	1.50
Water and organic matter,.....	19.80
	99.05

3. Bog ore from Upper Rocky Point, Township of Eardley. 100 parts gave

Peroxyd of iron,.....	57.15=40.00 metallic iron.
Alumina,.....	1.60
Silica,.....	21.60
Water and organic matter,.....	18.85
	99.20

Lead Ores. Specimens of Galena from the Townships of Bedford and Fitzroy, from Black River and Mr. Papineau's Seigniory, on the North Petite Nation River, have been assayed for silver and antimony: they contain neither, but are pure sulphuret of lead.

Dolomite. A specimen of a fine grained white marble from the rear of the Township of Barrie, was found on analysis to be composed of

Carbonate of lime,.....	53.90
Carbonate of magnesia,.....	45.90
	99.80

Since the foregoing Report of Progress was transmitted to the Government, Mr. T. S. Hunt, very recently appointed Chemist to the Geological Survey, has analyzed various substances from the Ottawa, of which mention had been made. A list of them is contained in the following communication.

To W. E. LOGAN, Esq., Provincial Geologist.

MONTREAL, 20th April, 1847.

SIR,—A short time since I received from your hands a number of specimens of ores and mineral waters designed for

It is consequently a pure dolomite or double carbonate of lime and magnesia.