

Tuscarora." The waters of this spring form several pools of from three to four feet in diameter, where owing to a constant discharge of inflammable gas the water is in a state of agitation. In appearance it is slightly turbid and brownish and has a peculiar styptic, acid and sulphurous taste. Analysis showed the water to contain, in October 1847 :

Sulphate soda.....	0502	Phosphoric acid.....	traces
" potash.....	0608	Hydrated sulphuric acid (So <sub>3</sub> . H <sub>2</sub> O).....	4.2895
" lime.....	7752		
" magnesia.....	1539	In 1,000 parts of water.....	6.1615
" protoxide of iron.....	3638	Specific gravity.....	1005.58
" alumina.....	4681		

*Westmeath, Renfrew Co. (a)*—In the *Geology of Canada* 1863, on page 547, is given the description of two springs in this township as follows:—"On the thirteenth lot of the sixth range of Westmeath is a spring which deposits a considerable amount of calcareous tufa and is known as the Petrifying Spring". The water contains, besides carbonate of lime, small quantities of chlorids, and is feebly sulphurous. On the twenty-third lot of the same range, a copious spring, occurs on Tucker's Creek. It contains a large amount of carbonate of lime, and a little iron; besides which, it holds only traces of sulphates and chlorids."

*Whitby, Ontario Co. (a)*—A copious spring of saline water is met with at Bowerman's Mills on lot 32, concession 3, township of Whitby where the water rises from rocks of the Trenton series, The following analysis was made of a specimen collected in October 1853:—

Chloride sodium.....	18.9158	Carbonate lime.....	0.411
" potassium.....	traces	" magnesia.....	0.227
" calcium.....	17.5315	" strontia.....	traces
" magnesium.....	9.5437	" iron.....	traces
Bromide sodium.....	2482		
Iodide ".....	0008	In 1,000 parts of water.....	46.3038

#### MINERAL WATERS IN QUEBEC.

*Ascot, Sherbrooke Co.*—The water of a spring near the Belvedere Iron mine and on lot 8, range 9, township of Ascot was examined during 1887 in the laboratory of the Survey (rep. Geol. Surv. Vol. III, 1887-88, p. 22 T) with the following result:—

Potassa.....	trace	Sulphuric acid.....	large proportion
Soda.....	small proportion	Carbonic acid.....	small proportion
Lime.....	rather large proportion	Silica.....	trace
Magnesia.....	"	Chlorine.....	small proportion
Ferrous oxide.....	trace		
" Total discovered saline matter, dried at 180° c., equalled 0.0746 parts in 1,000.			