

## MINERAL WATERS IN BRITISH COLUMBIA.

*Dougherty's Spring, Maiden Creek.*—This spring known also as the "Carbonic Acid Spring" on account of the great quantities of that gas evolved, is on Maiden Creek, south of Clinton, and between that place and Cargerville.

Water, collected by Mr. A. Bowman, was examined by Mr. G. C. Hoffmann, (Geol. Surv. Rep. II, 1886, p. 13 T :)—

Potassa.....	trace	Sulphuric acid.....	fairly large quantity
Soda.....	small quantity	Carbonic acid.....	large quantity
Lime.....	large "	Silica.....	small "
Strontia.....	trace	Chlorine.....	" "
Magnesia.....	large quantity	Organic matter....	" "
Alumina.....	very small quantity		

The water when filtered was found to have a specific gravity, at 15.5° C., of 1000.90 and contained in 1000 parts of water 1.442 parts of dissolved solid matter, dried at 180° C.

*Harrison Hot Springs.*—At the southern end of Harrison Lake two springs have been noted viz:—The Potash Spring and The Sulphur Spring, both of which are thermal. Samples of the water were examined. (Geol. Surv. Rep. IV, 1888-89, part R.)

*Potash Spring.*—Temperature of water at spring 120° F. The filtered water was perfectly colourless, inodorous and had a slightly saline taste; it showed alkaline reaction with reddened litmus paper but did not affect turmeric paper

Chloride sodium.....	.4059	Carbonate iron, very small amount	undet
" potassium.....	.0202	Alumina.....	undet
" lithium.....	undet	Silica.....	.0586
Sulphate soda.....	.4107	Organic matter.....	trace
" lime.....	.2256		
" magnesia.....	.0024	In 1,000 parts of water.....	1.1600
" strontia.....	undet	Specific gravity at 15.5° C.....	1001.00
Carbonate lime.....	.0366		

*Sulphur Spring.*—Temperature of water at spring, 150° F. Physical features similar to last with the exception of the specific gravity, which was at 15.5° C., 1001.13.

Chloride sodium.....	.4471	Sulphate strontia.....	undet
" potassium.....	.0246	Bi-carbonate lime.....	.0621
" lithium.....	undet	Alumina.....	trace
Sulphate soda.....	.4723	Silica.....	.0662
" lime.....	.2120		
" magnesia.....	.0021	In 1000 parts of water.....	1.2864