

Analyses by Dr. Sterry Hunt for the Can. Govt.

THE DUNOAN OR STRONG SALINE.

This spring is a very highly concentrated saline, about two miles distant from the others; a powerful but pleasant aperient.

THE CARBURETTED HYDROGEN GAS SPRING.

Gas evolved, carburetted hydrogen; pleasantly saline to the taste; by exposure deposits white sediment of earthy carbonates; reaction distinctly alkaline; flow about 60 gallons per minute.

THE SALINE SPRING.

Distant from the Gas Springs about 130 feet; less strongly saline; reaction more strongly alkaline; contains no sulphuretted hydrogen but evolves a small quantity of carburetted hydrogen; flow about 35 gallons per minute.

THE WHITE SULPHUR SPRING.

Opening four feet distant from the last spring; feebly sulphurous taste and odor. Efficacy of this spring over all others in Rheumatic and Cutaneous affections is well attested; flow about 9 gallons per minute.

	Duncan.	Gas.	Saline.	White Sulphur.
Chloride of Sodium	122.50	69.67	64.41	38.43
" Potassium .....	.31	.30	.30	.23
" Calcium	2.87	.....	.....	.....
" Magnesium	10.34	.....	.....	.....
Bromide of Sodium .....	.....	.15	.17	.10
" Magnesium .....	.24	.....	.....	.....
Carbonate of Magnesium	8.63	5.26	5.17	2.94
" Lime	1.26	1.48	1.17	2.10
" Sodium .....	.....	.48	1.76	4.56
" Iron	Trace.	Trace.	Trace.	Trace.
" Manganese .....	.....	Trace.	.....	.....
Iodide of Sodium .....	.....	.01	.01	Trace.
" Magnesium .....	.02	.....	.....	.....
Sulphate of Sodium .....	.....	.....	.05	.....
" Potassium .....	.....	.01	.....	.18
Silica .....	.22	.31	.41	.84
Alumina	Trace.	.01	Trace.	.03
Carbonic Acid	5.01	3.49	.....	.....
In 10,000 parts of water	151.40	81.17	73.45	49.41
Carbonic Acid in 100 cubic in. .	.25	19.5	14.7	7.2
Temperature of Water .....	.50	44.48	45.8	46.8
Temperature of the Air .....	.61	61.78	60.8	60.8
Specific Gravity	10.11	1006.2	1003.8	1003.7

These springs maintain the same flow and temperature at all periods of the year, and are unaffected by the driest season, nor has the slightest change in their relative component parts been discovered since they were first known.

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