

This was removed by filtration. The filtered water was bright, and, when viewed in a column two feet in length, of a pale greenish-yellow colour. It had a marked odour of sulphuretted hydrogen combined with a very faint one of petroleum. The taste corresponded more or less with the odour. Reaction, neutral. Its specific gravity, at 15.5° C., was found to be 1002.5. The total dissolved saline matter, dried at 180° C., in 1000 parts, by weight, of the filtered water, amounted to 1.93—equivalent to 139.16 grains per imperial gallon.

Mr. Wait made a qualitative analysis of this water and found it to contain :

Potassa.	.....	trace.
Soda	.....	very small quantity.
Lime	.....	rather small quantity.
Magnesia	.....	rather small quantity.
Sulphuric acid	.....	somewhat large quantity.
Carbonic acid	.....	rather small quantity.
Chlorine	.....	very small quantity.
Boric acid	.....	trace.
Silica	.....	trace.
Organic matter	.....	trace.

Boiling produced a slight precipitate, consisting of carbonate of lime with some carbonate of magnesia.

- 12.—Water from a warm spring on the east shore of Atlin lake, ten miles south of Atlin city, Cassiar district, province of British Columbia. Collected by Mr. J. C. Gwillim.

It contained a very trifling quantity of white, flocculent, organic matter in suspension, which was removed by filtration. The filtered water was perfectly bright, and had a faint brownish-yellow colour. It was devoid of odour or any marked taste. Reaction, neutral—both before and after concentration. Its specific gravity, at 15.5° C., was found to be 1000.5. The total dissolved saline matter, dried at 180° C., amounted to 0.236 parts per 1000—equivalent to 16.53 grains per imperial gallon.

A qualitative analysis, by Mr. Wait, showed it to contain :—

Soda	.....	very small quantity.
Lime	.....	small quantity.
Magnesia	.....	very small quantity.
Sulphuric acid	.....	very small quantity.
Carbonic acid	.....	small quantity.
Chlorine	.....	very small quantity.
Silica	.....	trace.
Organic matter	.....	trace.

Boiling produced a slight precipitate, consisting of carbonate of lime with some carbonate of magnesia.