



APLG

Association des propriétaires du lac Gagnon

Results of water analysis at Lac Gagnon (July 3, 2011)

Drinking water:

Definitions:

- **POTABLE** : Water contains no fecal coliform and no more than 10 total coliforms or 200 atypical bacteria.
- **HORS-NORMES** ('unconform'): Water does not contains fecal coliform but contains more than 10 total coliforms or 200 atypical bacteria. Such water is drinkable but the presence of many total coliforms or atypical bacteria shows that fecal coliforms could show up in other tests.
- **NON-POTABLE** : Includes as least one fecal coliform.

Number of samples

Source	Drinkable		Non-potable	Total
	Potable	Hors-normes		
Artesian wells	4	0	0	4
Surface wells	7	0	0	7
Lake	7	1	0	8
Total	18	1	0	19

Number of coliforms
(average of coliforms or bacteria by sample)

Source	Potable		Hors-normes		Non-potable		
	Total coliforms	Atypical bacteria	Total coliforms	Atypical bacteria	Fecal coliforms	Total coliforms	Atypical bacteria
Artesian wells	0	17	0	0	0	0	0
Srface wells	1	11	0	0	0	0	0
Lake	3	63	12	160	0	0	0
Average	1	33	1	8	0	0	0

Explanation:

By definition there is no fecal coliform in the potable and 'hors-normes' samples. Therefore averages for these two categories refer only to total coliforms and atypical bacteria.

Highlights:

- All properties have drinkable water, whatever the source, and 18 out of 19 have potable water.
- Only one person has a level of total coliforms somewhat over the standard, i.e.12 instead of 10.
- 10 out of 18 persons with potable water have no coliform whatsoever in their sampling.
- There is not one part of the lake that has significantly different results.
- Results in the above tables can not really be compared to those from previous years since participants are not always the same.
- However, if we compare the results of the 8 participants who also participated last year at the same time, 3 still have perfect results, whitout any coliform, 4 participants have better results while one has marginally worse results.

[How to clean a well](#)

Swimming Water: We do not have enough samples to comment. When performing its annual quality test of swimming water, in the next few weeks, the APLG will take fifty samples from all parts of Lac Gagnon.

Spring water:

We took a sample from the tank which is fed by a spring in the northern part of the lake, near ch. du Soleil. [Click here](#) to see the tank.

The results from this sample are as follows:

Fecal coliforms : 0

Total coliforms : 100

Atypical bacteria : 0

Given that the sample contained more than 10 total coliforms this water does not meet the standard. It is still good for consumption considering that no fecal coliform was identified but it is not potable. It might be advisable to boil it.

When we took the sample the pipe that feeds the tank was not properly anchored to the water source, which may explain the poor results.

Tap water at the village:

We took two samples from the tap in the pavilion located behind the Town Hall. The first immediately after opening the tap and the second sample after letting the water run for five minutes, as recommended. This water comes from an artesian well. This facility is available at all times to anyone wishing to take provisions of drinking water.

The results are identical for both samples. There was no coliform nor bacteria in the two samples. The water is potable and of excellent quality from a bacteriological point of view.

[French version](#)