

THE VARIATION IN MICROBIOLOGICAL QUALITY OF WATER FROM RESERVE JASEN, NORTH MACEDONIA



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WHEN?

December 2019- December 2020 in 12 sampling campaigns, at three sampling sites distributed from 500- 1000 m altitude.

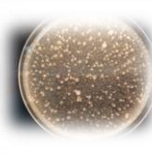
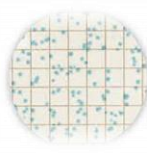
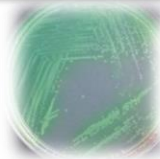
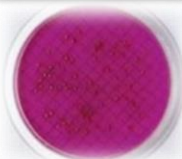


WHERE?

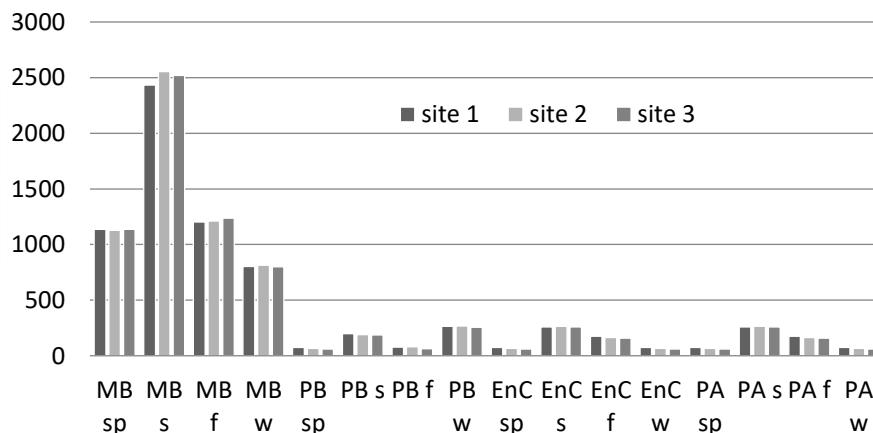
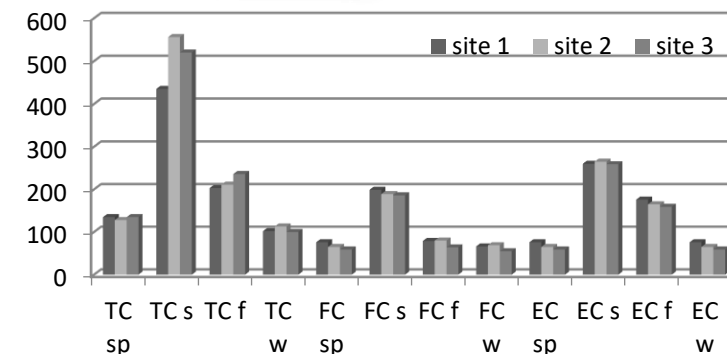
Jasen - nature reserve, situated 15 km from Skopje. The park comprises around 24,000 hectares of caves, mountains, underground rivers and lakes.

WHAT?

TC- total coliform, FC- fecal coliform, EC- E. coli, MB- mesophilic b., PB- psychrophilic b., EnC- enterococci, PA- Ps. Aeruginosa
sp- spring, s- summer, f- fall, w- winter
Temperature and pH



RESULTS:



CONCLUSIONS:

- the presence of humans in the high zone of Reserve Jasen had minimal effect on the number of aquatic microflora.
- anyway, the actions of a single careless individual could create a health hazard