



Kiseljak Oraš Planje - mineral CO₂ water (Tešanj Municipality)

The spring and well of mineral CO₂ water in the village of Oraš Planje is located in the valley of the Oraška river about 6 km west of the town Tešanj.

On the territory of the Municipality of Tešanj, mineral CO₂ waters exist in several locations: Oraš Planje, Raduša Gornja, raduša Donja, Dolac and Crni Vrh.

The mineral waters in Oraš Planje are cold (12°C), HCO₃-Na-Mg type with total mineralization 2,5-2,8 g/l, rich in CO₂ - up to 3,7 g/l (Miošić et al., 2010).

See also

Photos of CO₂ rich mineral waters of [Dolac](#), [Crni Vrh](#) and [Vrućica](#) (geomanifestation on the territory of Tešanj and Teslić municipalities).

Generalities

The wider area of Orašje Planja is located within the Central ophiolite zone near tectonic contact with the Pannonian Basin. This area is built mostly of rocks of the Jurassic volcanic - sedimentary formation.

Jurassic - Cretaceous limestones and marls, and rock complexes of diabase-chert formation (volcanogenic sedimentary series), represent mineral water collectors in the area of Oraš Planja, as well as in other locations in the area of Tešanj: Crni Vrh, Dolac, Raduša Gornja and Raduša Donja; drilling data in Raduša and Oraš Planje indicate that primary aquifers of mineral waters are the rocks of the volcanic-sedimentary series (Miošić, 2003).

Anomalies

Mineral and gas composition - high mineralisation and CO₂ content.

Data

FZZG_factsheetOrasPlanje	Temperature of water (°C)	Q (l/s)	Mineralisation (g/l)	Specific component	Aquifer
Spring "Kiseljak" - Oraš Planje		0,1	2,8	CO ₂	volcanic-sedimentary series, spilite
Well Oraš Planje	12	0,17*	2,6	CO ₂	volcanic-sedimentary series, spilite

*This is natural artesian outflow on the wellhead. Depth of well is 65 m.

References

Josipović J. (1971) Mineral, thermal and thermomineral waters in territory of Bosnia and Herzegovina. Herald Geological, 15, Sarajevo, 233-276.

Katzer F. (1919): To knowledge of mineral springs of Bosnia. State museum herald in Bosnia and Herzegovina, Sarajevo.

Ludwig E. (1893): Mineral springs in Bosnia. Geological annals of Balkan Peninsula, Book IV, Belgrade, 244-278.

Miholić S., (1958): Bosnian springs „kiseljaci“. II Congress of Yugoslav Geologists, Sarajevo;

Miholić S., Mirnik K. (1957): A contribution to the knowledge of Bosnian "kiseljak", Geochemical study, Croatica Chemica Acta 29, Zagreb, 445-456

Miošić N. (1977): Map of mineral, thermal and thermomineral waters of B&H, 1:200.000 with Explanation and Catalogue of occurrences, Geoinženjering, Sarajevo.

Miošić, N.,(2003): Basic project of detailed geological and hydrogeological research of mineral waters in the area of Mahalbašić – Orašje Planje, Tešanj Municipality, Unpublished document, Geological survey-Sarajevo, Sarajevo.



Miošić, N., Samardžić, N. (2016): Mineral, thermal and thermomineral water of Bosnia and Herzegovina, in Mineral and thermal waters of Southeastern Europe, Papić, P. (Ed.), Book Environmental Earth Sciences, Springer, 147-171.

Miošić N, Skopljak F, Samardžić N, Saletović J, Begić S., (2010): Cadastre of mineral, thermal and thermomineral waters of Federation of Bosnia and Herzegovina, Federal geological survey, Sarajevo.

Website: <https://princess.ba/o-nama/>

Cite this source

Samardžić, N., 2021. Kiseljak Oraš Planje - mineral CO₂ water (Tešanj Municipality) [Fact sheet]. Geological Survey of Federation of Bosnia and Herzegovina-Sarajevo (FZZG).

Contact e-mail: natalija.samardzic@fzzg.gov.ba

Date: 05/03/2021