



Dreisborn CO₂-spring

The Dreisborn spring, located in the Naturpark Vulkaneifel (Bettenfeld), is remarkable in its elevated CO₂-content, as well as its Na-Mg-(Ca-)HCO₃ signature (Hänel, 2020; May, 2002).

See also

[Volcanism in the Eifel](#)

Anomalies

The mineral spring Dreisborn in Bettenfeld contains up to 959 mg/l CO₂ (Hänel, 2020), which by far exceeds the criterium of 250 mg/l to be classified as Sauerling (Weertz and Weertz, 2007). It is situated in the Prembach-valley, in Paleozoic rocks, on the same fault-trace as the Meerfelder Maar and Mosenberg volcanoes (van Overmeeren, 2014). This specific location combines the proximity of volcanic processes as origin of the CO₂, as well as the pathway to bring it to the surface with the circulating groundwater.

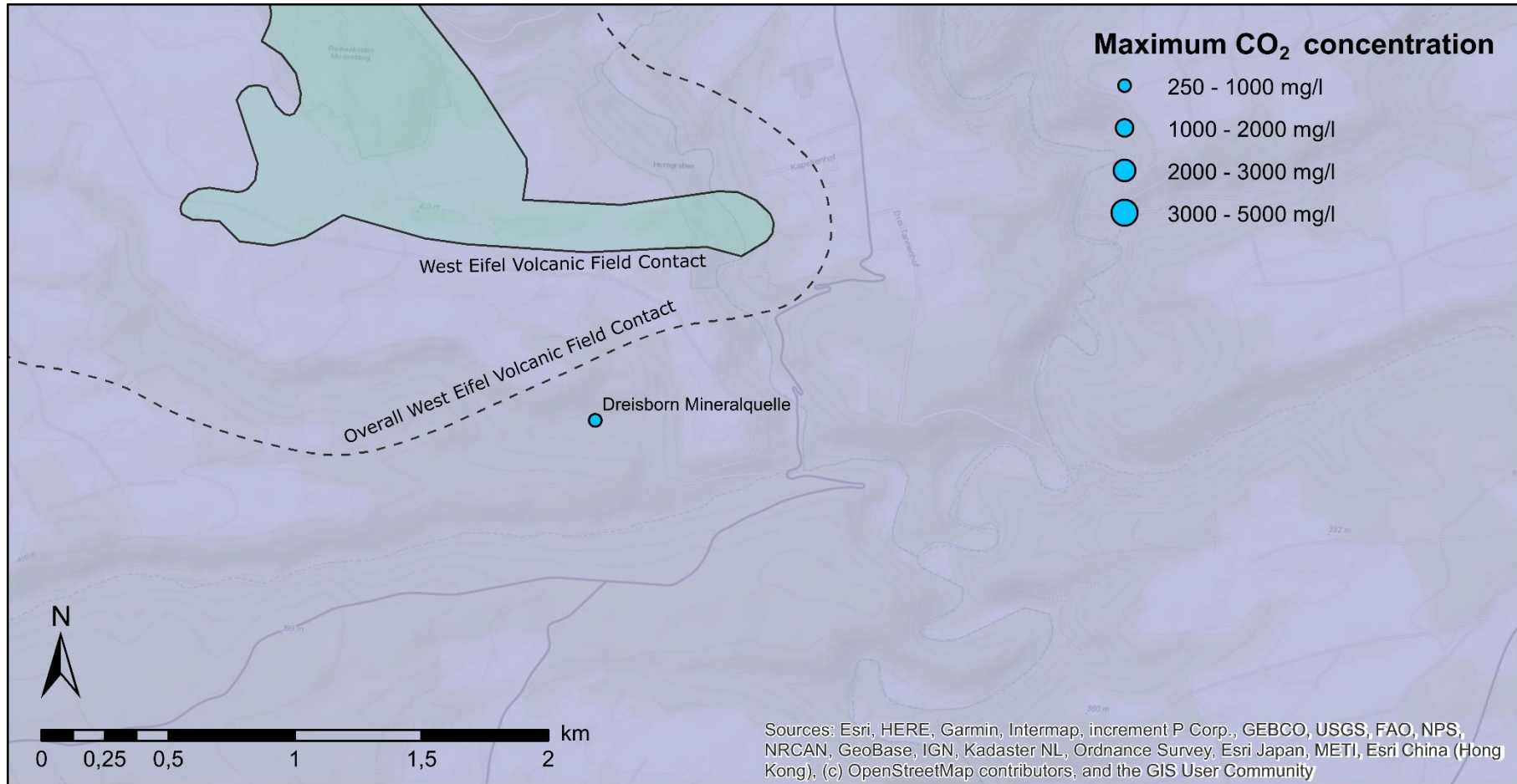


Figure 1: Dreisborn CO₂-spring



Data

ID	Coordinates	T	Depth	TDS°	Cl	Na	SO ₄	Free CO ₂	He	³ He/ ⁴ He	Analysis year	References
		°C	m	g/l	mg/l	mg/l	mg/l	mg/l	ppmv			
Dreisborn Mineralquelle	50°04'04" North 06°47'44" East	9.8			131.8	906.2		959			<2020	Hänel (2020) Datenbank der Kulturgüter in der Region Trier (2020)

° TDS = Total Dissolved Solids

References

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