



## Thermal water in Bad Wildstein

Bad Wildstein is one of the 'Stadtteile' of the town Traben-Trarbach, located on the banks of the Moselle river in W Germany. It hosts a popular spa resort due to the occurrence of naturally thermal water.

### Anomalies

The Wildstein Therme in Bad Wildstein are fed by groundwater of 32.3 °C (Käβ and Käβ, 2008). This temperature is significantly higher than the maximum temperature of 12 °C expected for shallow groundwater. Additionally, multiple thermal water breakthroughs in the strongly folded Lower Devonian schist and quartzite beds were reported in the Bad Wildstein Pb-Ag mines (Käβ and Käβ, 2008). The exact processes or causes of this thermal anomaly are not yet clarified, but it possibly is linked with the nearby Hunsrück-Taunus Thrust Fault System (Figure 1: Thermal water in Bad WildsteinFigure 1).

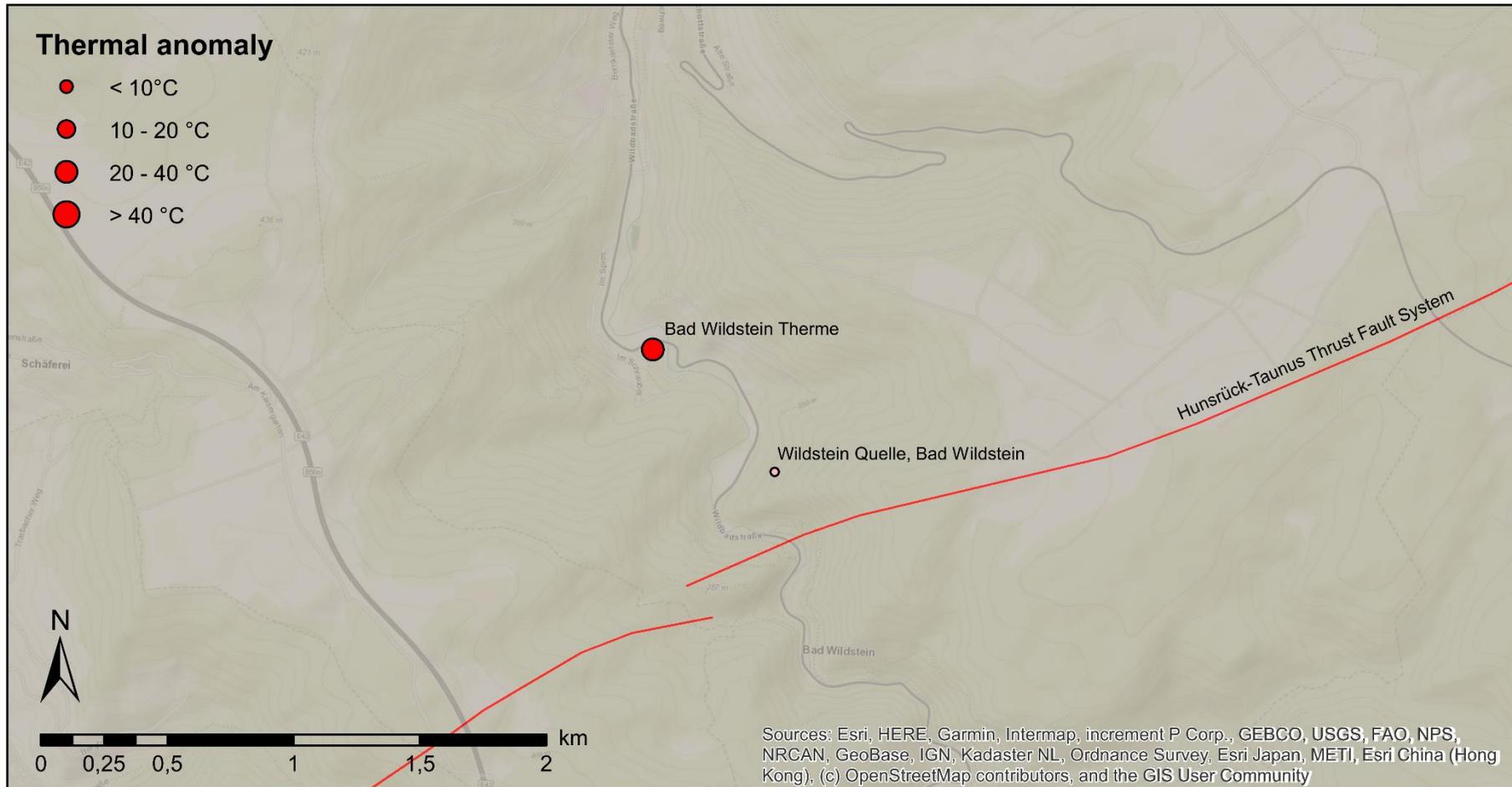


Figure 1: Thermal water in Bad Wildstein



## Data

ID	Coordinates	T	Depth	TDS°	Cl	Na	SO <sub>4</sub>	Free CO <sub>2</sub>	He	<sup>3</sup> He/ <sup>4</sup> He	Analysis year	References
		°C	m	g/l	mg/l	mg/l	mg/l	mg/l	ppmv			
Wildstein Therme	49°55'58" North 07°06'41" East	32.3		0.41	11.2	89.6	29	92			2006	Käβ and Käβ (2008)
Wildstein Quelle	49°55'42" North 07°07'07" East											Hänel (2020)

°TDS = Total Dissolved Solids

## References

Hänel, M., 2020. Wasserquellen-Atlas. <http://www.quellenatlas.eu/39994.html>

Käβ, W., Käβ, H., 2008. Deutsches Baderbuch, 2 ed. Vereinigung für Bäder- und Klimakunde e.V., Stuttgart.

## Cite this source

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