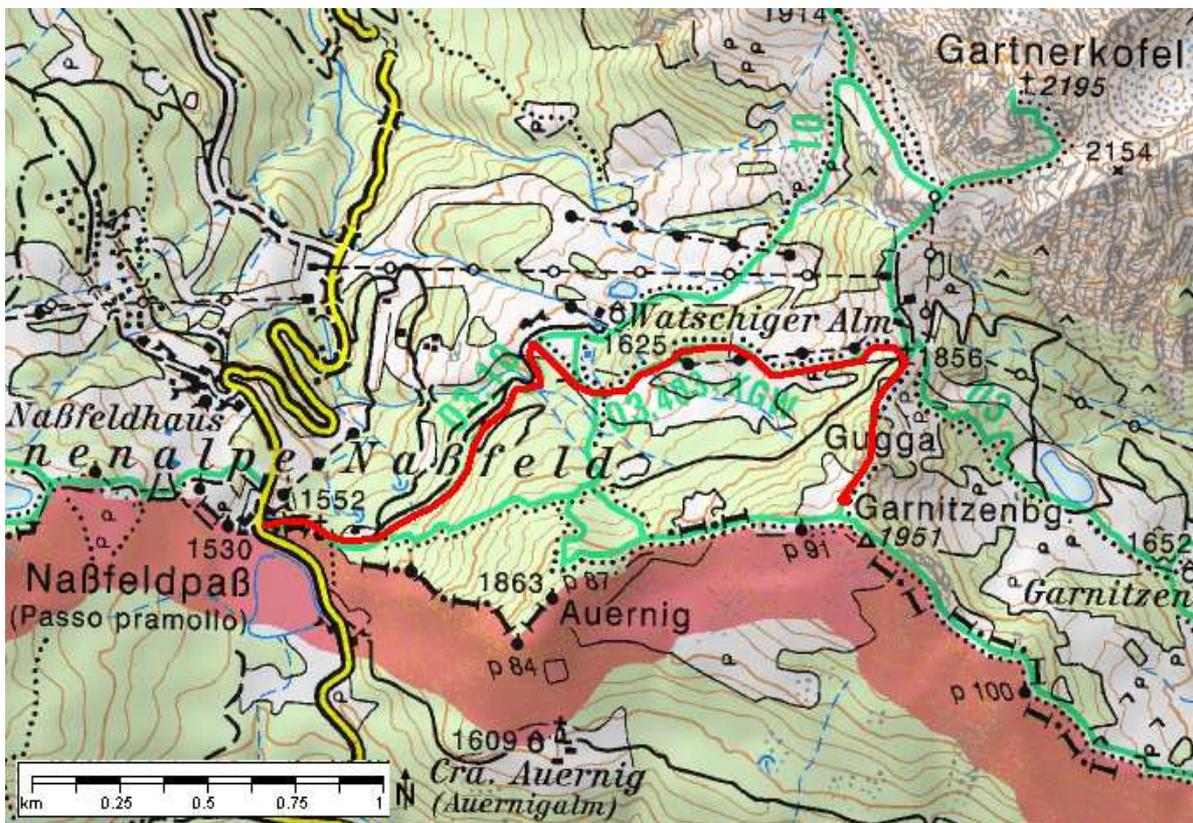


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## **Geotope 27: Garnitzenhöhe 2 – 300 Million Years old Sand Beach**



Red marking: Hiking route according to advance description; green tracks: hiking trails; ©BEV: Federal Office for Calibration and Measurement, 2005

### Access:

From Naßfeldpass the Garnitzenhöhe in the east can easily be accessed. The Gugga ridge may serve as orientation to ascent to the top (1951 m).

## Description of the Geotope

On the northern slope of the mountain Garnitzenhöhe (1951 m) a trail passes platy sandstones and pebble-bearing coarse-grained sandstones showing some inclined and graded layers within one bed. Gradation means that the size of the grains is decreasing from the base to the top. This peculiar type of rock is the fossil counterpart of conditions prevailing in recent river deltas where sediment-loaden water is discharged in such a manner that bigger clasts are less far transported than smaller ones.



The Trace fossil *Zoophycos* testifies biological activity of the soil by an infauna.

Imprints of trace fossils in the soft sediment as shown for the Genus *Zoophycos* indicate a rich infauna in the sea-bottom as well as on its surface. In addition, fossilised mud-cracks document a coastal-near depositional area which temporarily emerged.



Fossilised mud-cracks as indication for part-time emersion of the coastal area.