7 Permafrost in an Alpine mountain range

Solutions:

1. See map

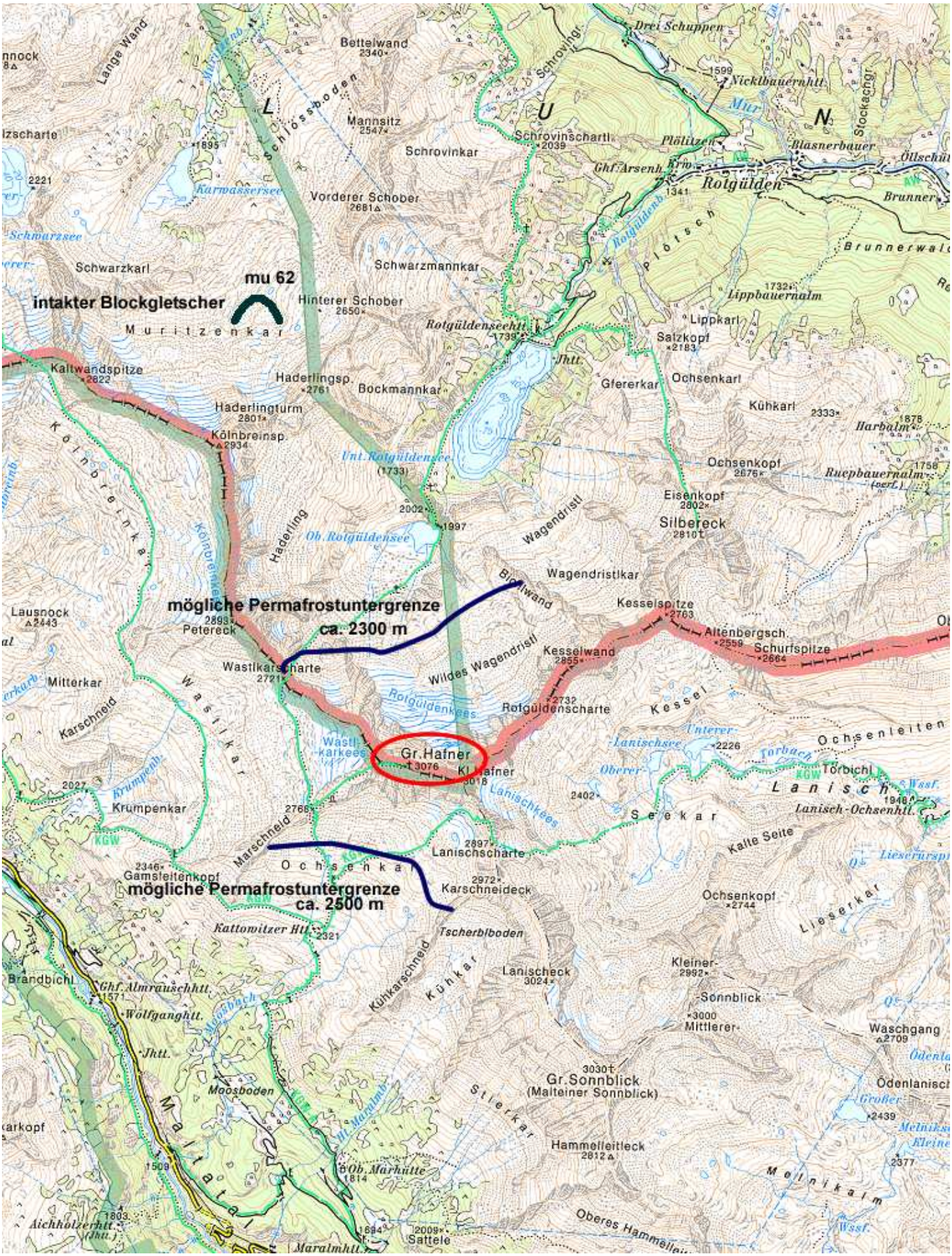
2. See map

3. North of Gr. Hafner the lower limit of discontnuous permafrost is situated at about 2300 m, South at about 2500 m. The difference of some 200 m is due to the fact that southern slopes receive more radiation and are therefore warmer than the shady northern slopes.

4. The permafrost area is dominated by rock and debris. Also the glaciers are situated within the area of probable occurrence of permafrost.

5. The intact rock glacier in the Eastern part of Muritzenkar (see also the map) is shown by a series of brown dots (signature of debris), which indicate the margin of the rock glacier.

Solution



Topographical map, 1:50 000 Source: Amap