

## Supplement S3:

### Comments to sampling sites

Our fieldwork was focused to an area of *c.* 1.5 km<sup>2</sup> where we sampled rocks in rare outcrops, very small old quarries, new temporary exposures (road cuts and renewed side-ditches), and also loose blocks where outcrops were missing. Some small blocks may have been moved from their original positions due to former human activities (e.g., at the site DR049) and, therefore, especially the north to north-eastern boundary of the Doupov Intrusive Complex is uncertain.

Two boreholes (DB2 and DP3) were drilled close to the Flurbühl Hill in 1968. The invasion of Soviet and allied armies to former Czechoslovakia in August 1968 resulted in abandoning the drilling sites and discontinuity of geological research in the area including documentation of drill cores. The drill-cores of the DP3 were left just at the drill-site, hence the material is still easily available and the borehole location is clear. On the other hand, original depths of the individual drill-core pieces are unknown. The DB2 drill-core has been stored in the original wooden core-cases in the Czech Geological Survey sample depository, and the depths of drill-core pieces are indicated. There is no record of the coordinates of this drilling, and we were able to place it into the area of the Doupov Intrusive Complex solely based on a brief borehole description in the database of the Czech Geological Survey and also by petrographic character of rocks.



**Fig. S3** Drill-cores of DP-3 left on site.