

RU-1

RU-3

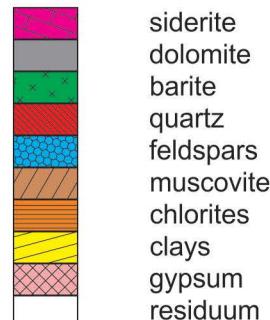
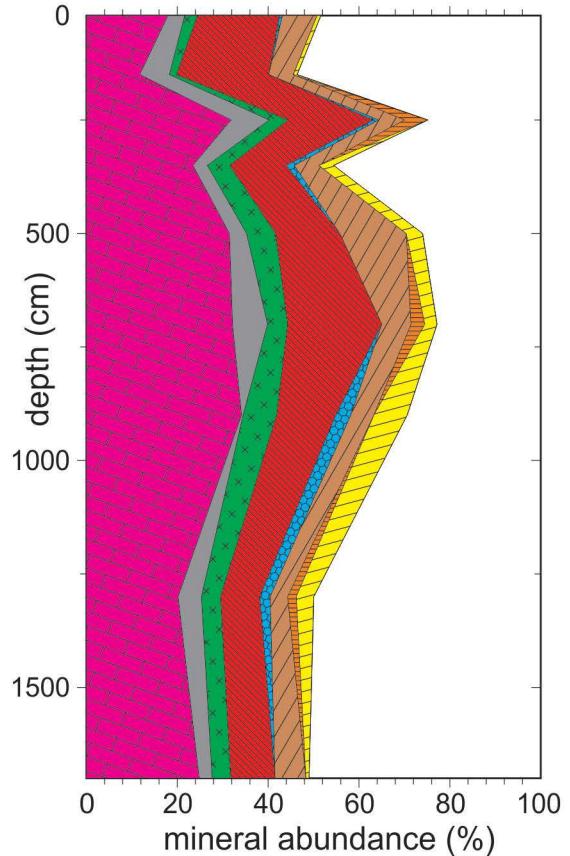
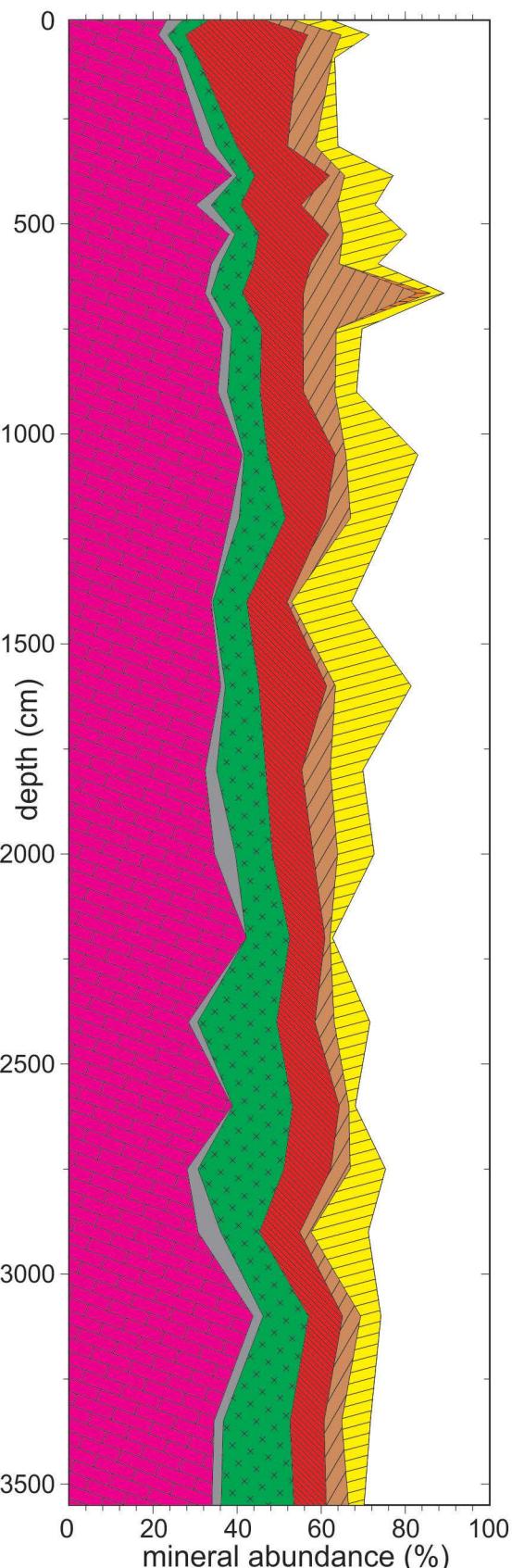


Fig. S1. Mineral composition in the boreholes RU-1 and RU-3. All data from the quantitative abundance evaluation from powder X-ray diffraction data.

SLO-1

SLO-2

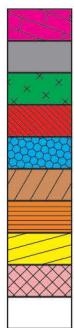
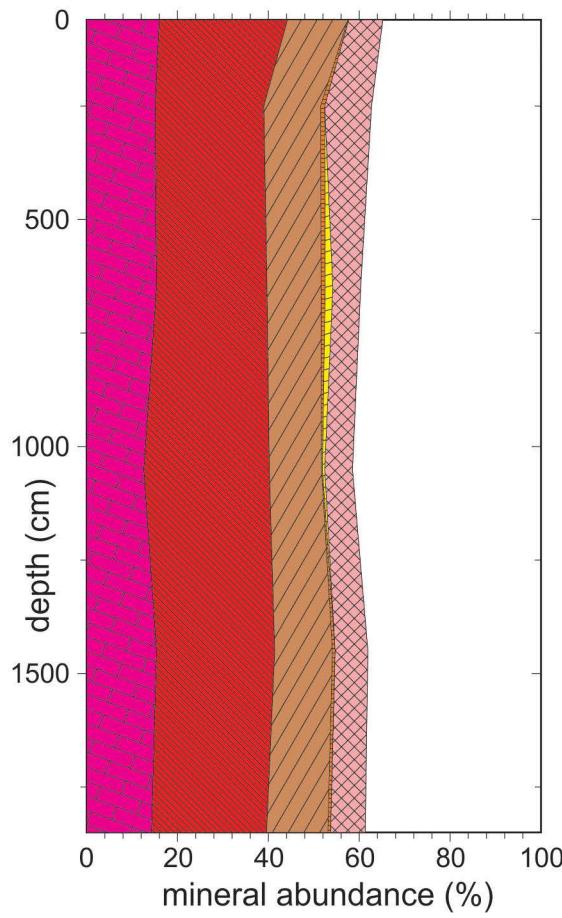
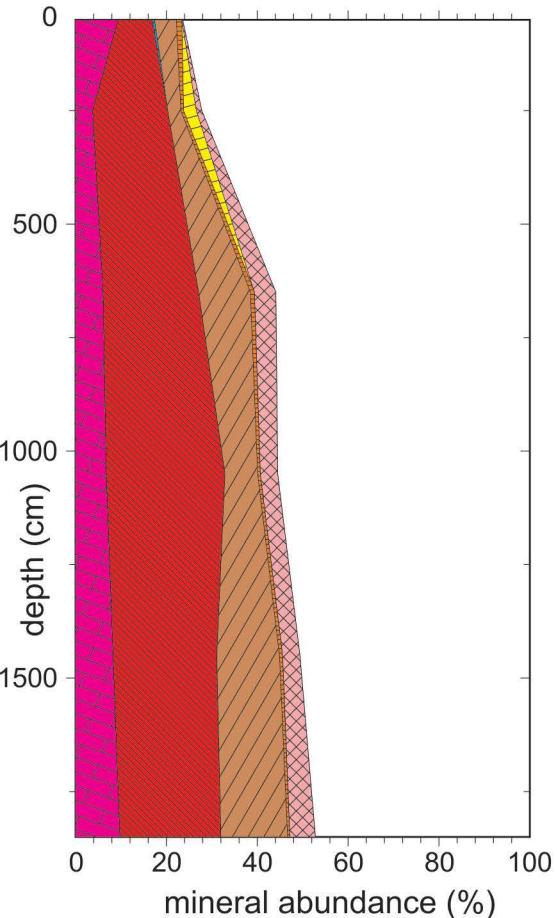


Fig. S1. continued. Mineral composition in the boreholes SLO-1 and SLO-2.

RU-2

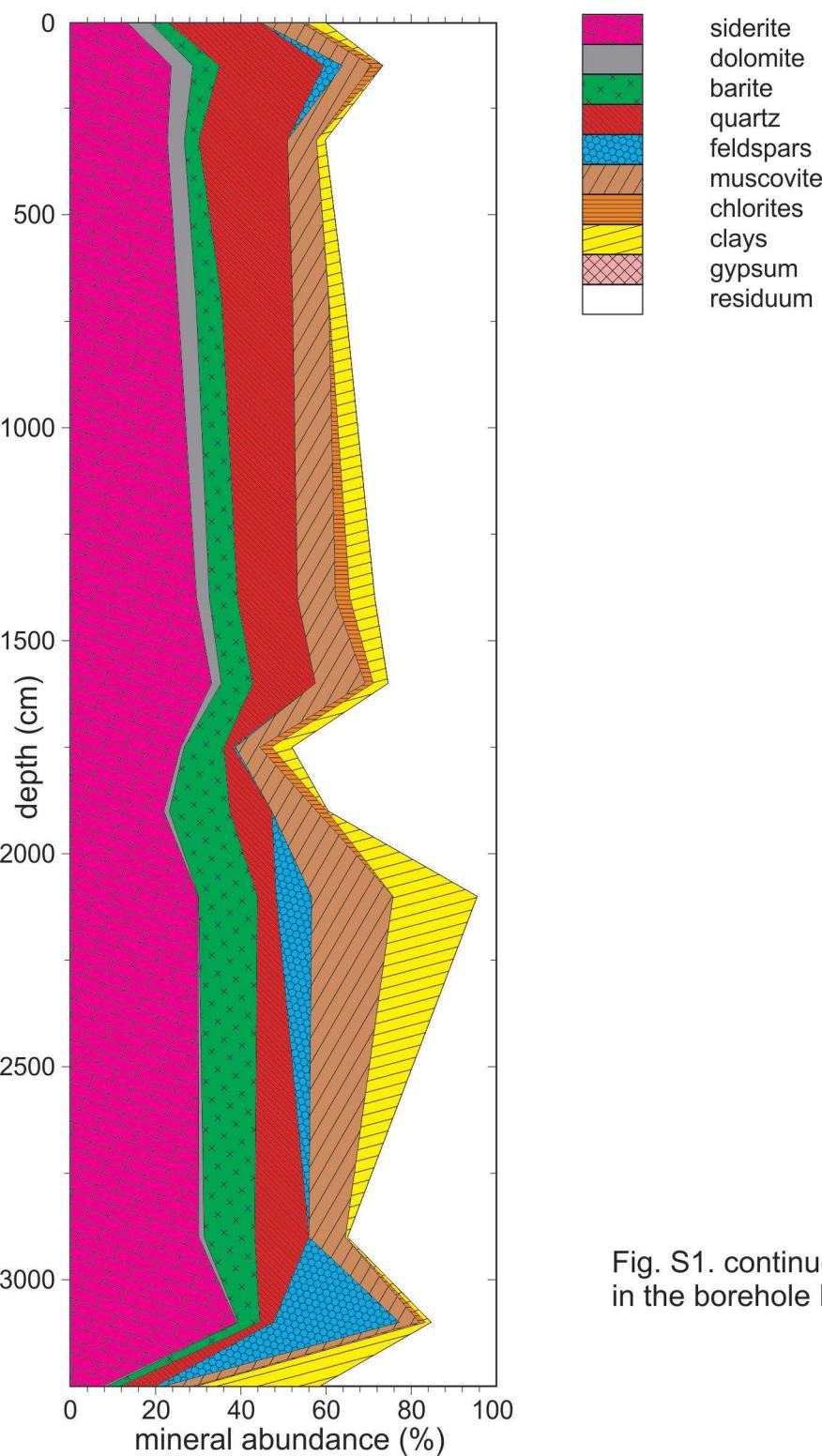


Fig. S1. continued. Mineral composition in the borehole RU-2.

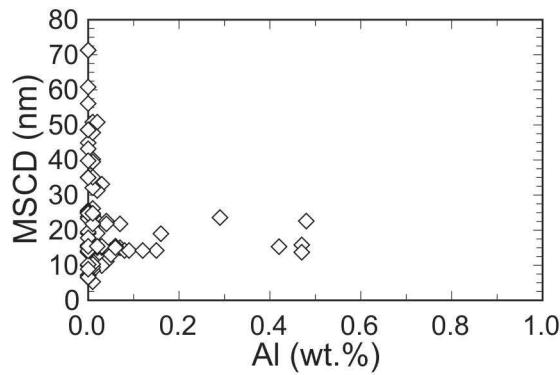
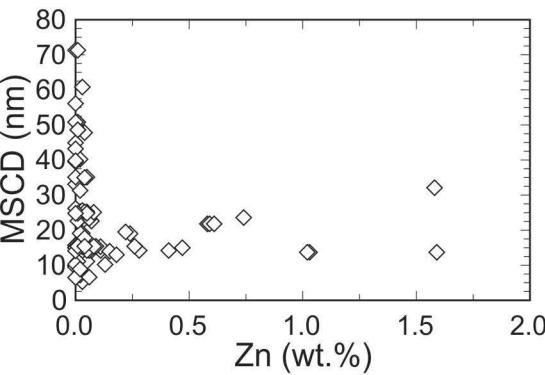
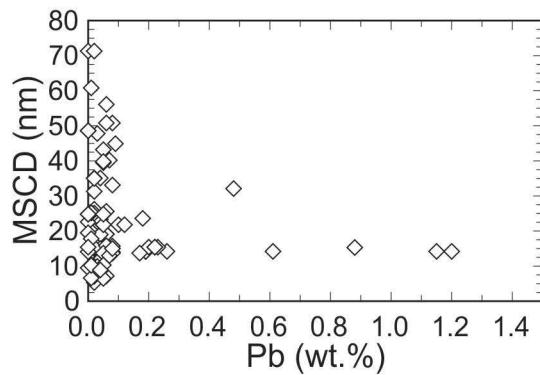
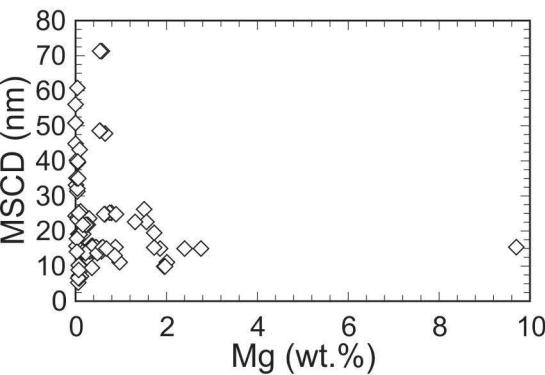
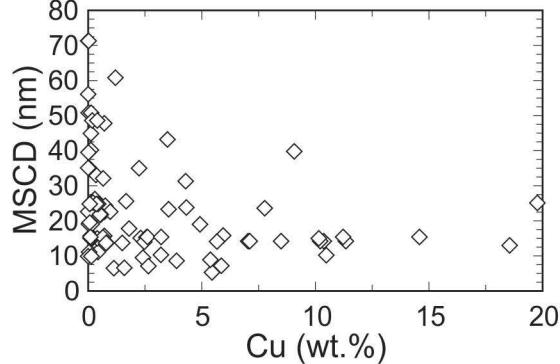
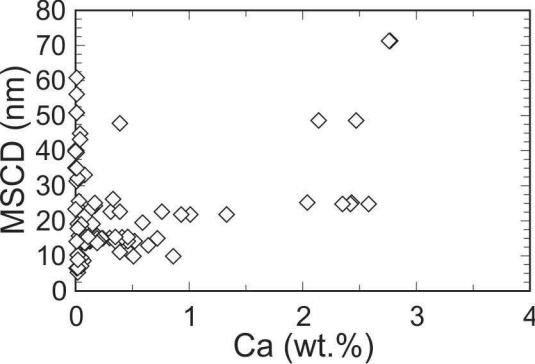


Fig. S2. Mean size of the coherently diffracting domains (MSCD) of goethite as a function of chemical composition of the goethite samples (measured by spot EMP analyses). In some cases, several spot analyses were made in an area scanned by μ -XRD and each of the EMP analyses is shown as a separate data points.

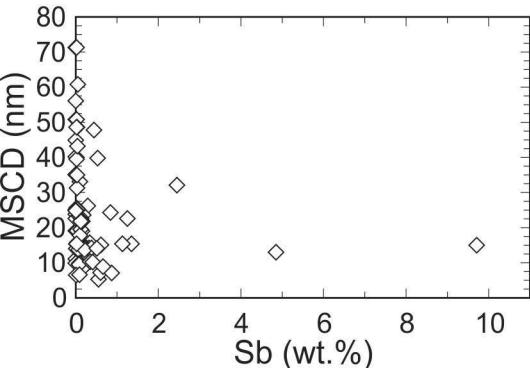
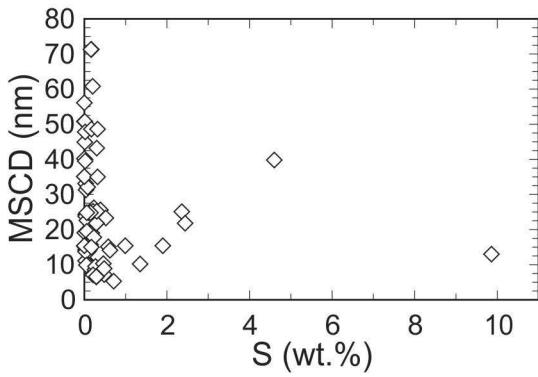
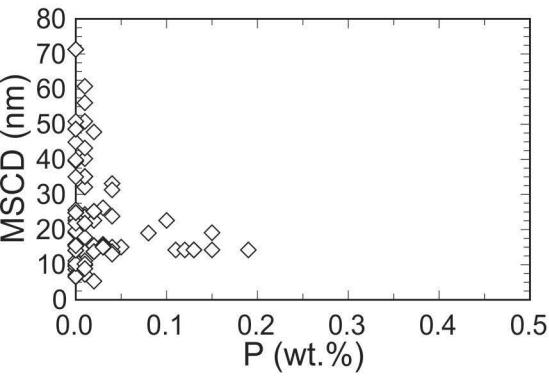
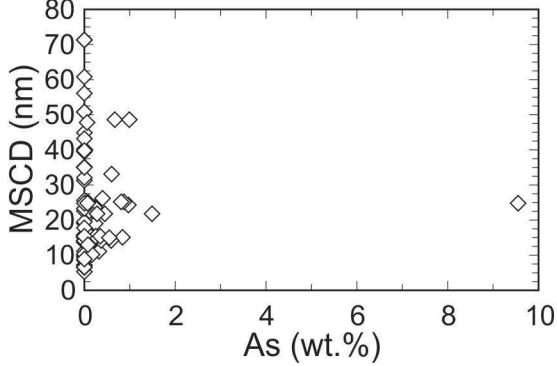
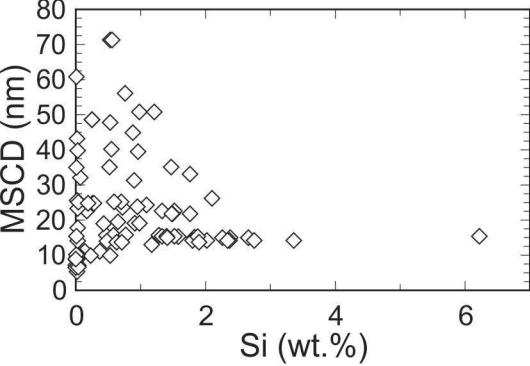


Fig. S2. continued