

<b>Name 1</b>	GRÜBLER ORE BODY (COLLECTION)
<b>Name 2</b>	/
<b>ID number</b>	002.34.Idrija
<b>Manager / Administrator</b>	Idrija Mercury Heritage Management Centre, Bazoviška 2, SI-5280 Idrija
<b>Ownership</b>	Public
<b>Owner</b>	Republic of Slovenia
<b>Local / Original ID Number</b>	No. 2 (47)
<b>Type of Object</b>	Ore deposit

## DESCRIPTION

<b>Short description</b>	Epigenetic mineralisation in the Grüber ore body is related to the ore-bearing Grüber fault. The mineralisation appears in the form of fillings of the open fault and fractures in the zones next to the fault, the rock substitutions, impregnations, mineral top layers and differently strong moulds of superficial layers. Mineralisation is located in the Gröden sandstone (3 samples) and lower-skit dolomite (6 samples). On one piece of steel ore, we can observe the Idrialite overlay. The Grüber fault was one of the last biggest ore-bearing faults, which were excavated in the Idrija ore deposit.
<b>Measures</b>	/

**Materials**

Lower Scythian layers, Gröden sandstone

**Dating**

Ladinian, Longobardian

**Author / Producer**

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## Picture attachments

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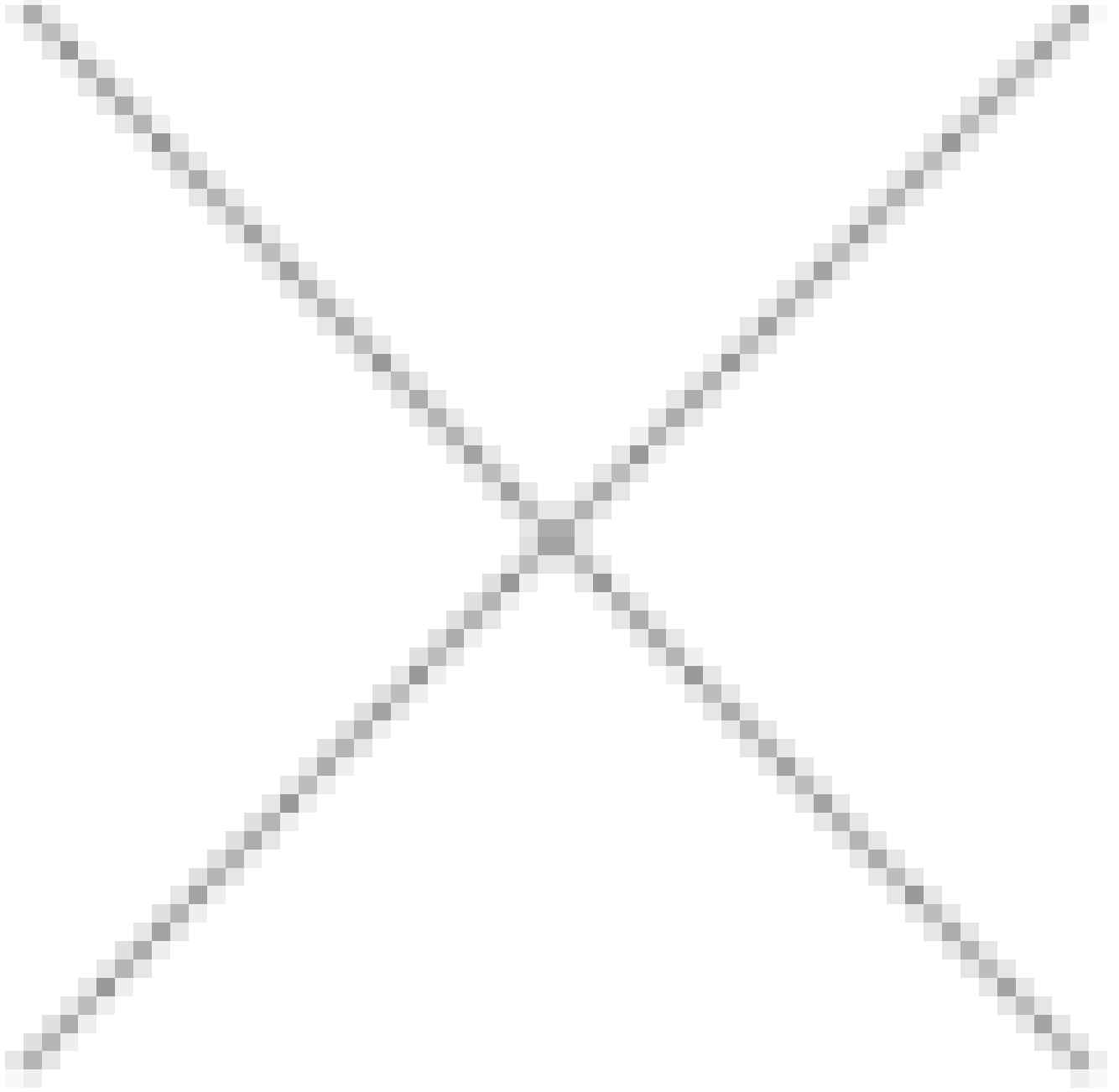
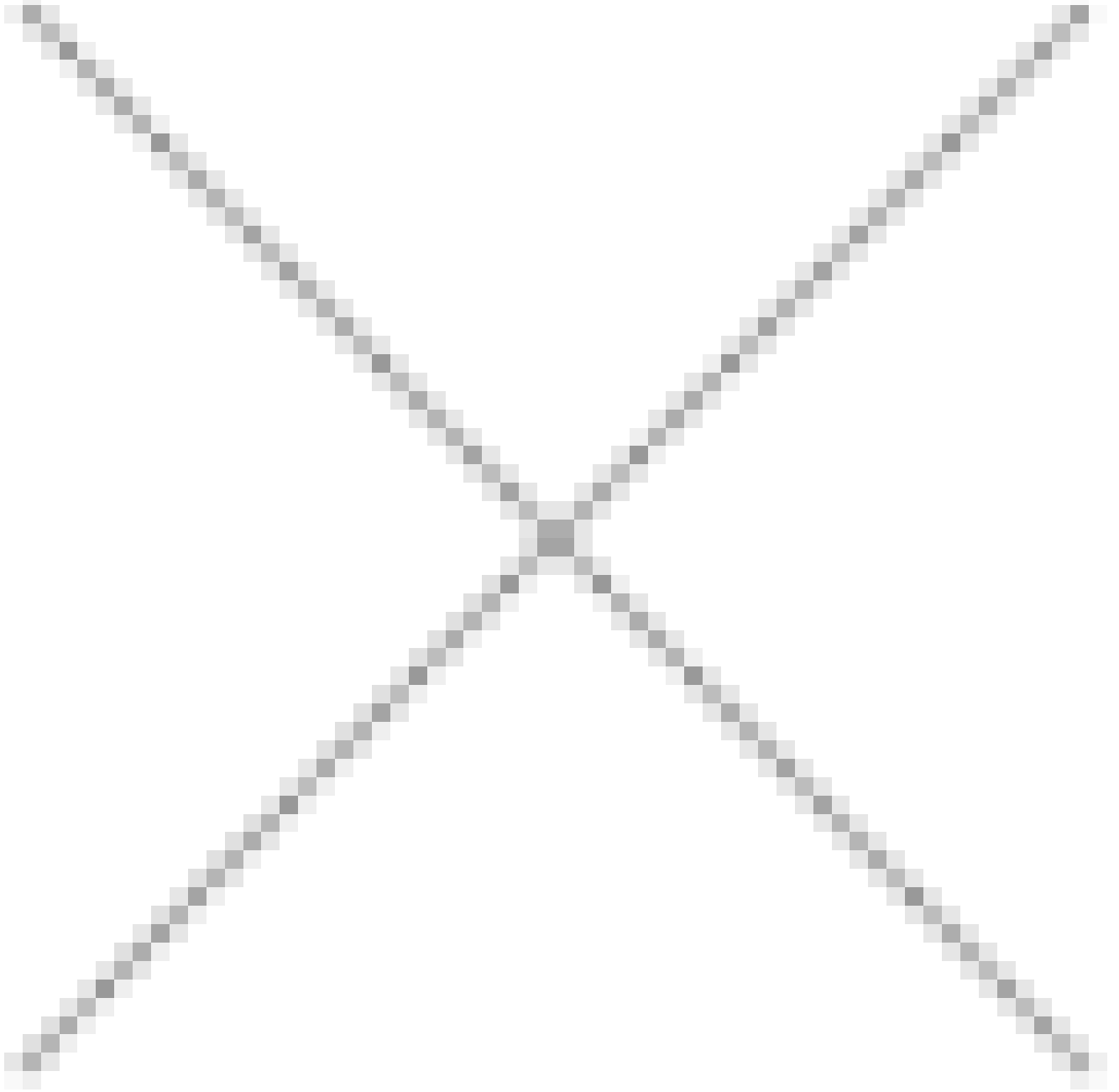




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**Original use**

The Grüber fault is one of the strongest Mid-Triassic ore-bearing faults in the lower part of the Idrija ore deposit. It was found between the XI and XIV main levels. It was 120 m long and up to 70 m high. Next to the Grüber fault, the flint Gröden sandstone and conglomerate touched and the north-east side of the fault and the Lower Scythian sandy-micaceous dolomite was built on the other side. The Grüber fault was formed in the Mid-Triassic as one of the structural faults in the tectonic rift. In the ore-bearing phase, hydrothermal solutions flowed in on the fault, and more or less intensively covered the wider fault zone with cinnabar. Mineralisation in poorly permeable Gröden rocks was narrow and of lower quality, and significantly wider in more permissive Scythian dolomites. In Scythian rocks, the substituting of dolomite, the filling of the fault fractures and the formation of mould superficial layers occurred. The rich brick ore filled the main open fault zone. In the later tectonic phases, the Grüber ore body was strongly tectonically ruptured.

**Present use**

The specimens from the Grüber OB (11 in total) are being preserved, secured and presented as important natural heritage of Idrija ore deposit with exceptional universal values. It represents a unique soil “archive”, as the specimens were excavated in Idrija ore deposit and also stored. They are a part of a thematic collection “Ore bodies of the Idrija ore deposit” within the Mine Geological Collection. It is displayed in the CUDHg administrative premises, within the Francis’ shaft. The described specimens are exhibited in a display case. It can be used for temporary exhibitions and for other types of mercury heritage promotions.

**Original location**

Idrija ore deposit, Grüber OB

**Present location** CUDHg (Mining Geological Collection), Bazoviška 2, SI-5280 Idrija

## STATE OF CONSERVATION

**History of conservation:** The samples are appropriately preserved. Additional interventions are not necessary. Security of the premises is taken care of.

**Present state** good

**Necessary activities:** Regular seasonal maintenance.

## DOCUMENTATION

**Addresses / collections / links etc. where further in-depth information is accessible:**

- CUDHg Inventory Book;
- Čadež, Franc. Najmlajše diskordantne sedimentne kamenine na karbonskih plasteh v Idriji. *Geologija*, 23/2, 1980, p. 163–172;
- Čar, Jože, Placer, Ladislav. Srednjetriadna zgradba idrijskega ozemlja. *Geologija*, 20, 1977, p. 141–66;
- Čar, Jože. Razvoj srednjetriasnih sedimentov v idrijskem rudišču: doctoral thesis. Faculty of Natural Sciences and Engineering in Ljubljana, 1985;
- Čar, Jože. Kotna tektonsko-erozijska diskordanca v rudiščnem delu idrijske srednjetriasne tektonske zgradbe. *Geologija*, 31–32, 1988/89, p. 267–284;
- Čar, Jože. Rudniška geološka zbirka: Seznam in opis vzorcev. Mercury Mine Idrija, 2003, p. 1–122, [material is kept in the archive of CUDHg];
- Čar, Jože. Ladinijske plasti skonca idrijskega rudišča (Z Slovenija). *Geologija*, 56/2, 2013, p. 151–174;
- Drovenik, Matija, Dolenc, Tadej, Režun, Bojan, Pezdič, Jože. O živosrebrovi rudi iz rudnega telesa Grüber v Idriji.

Geologija, 33, 1990, p. 397–446;

- Drovenik, Matija, Mlakar, Ivan. Strukturne in genetske posebnosti idrijskega rudišča. Geologija, 14, 1971, p. 67–126.

**Submitted** Mestni muzej Idrija

**Submitted by** Miha Kosmač

**Date Submitted** 1. 3. 2018

**Date Edited** Never

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