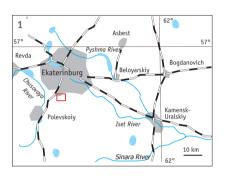
## **INDICOLITE PIT:** A REMARKABLE NEW DRAVITE OCCURRENCE **NEAR EKATERINBURG, CENTRAL URALS**

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1. Location of Grigor'evsky guarry, Shabrovskoe talc-magnesite deposit, Central Urals, Russia.

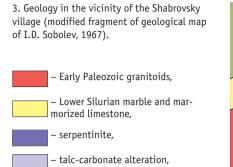
Specimens: Indicolite pit, Shabrovskoe talc-magnesite deposit, Central Urals, Russia.

2. Location of the Indicolite pit in the Grigor'evsky quarry. The pit is shown by red circle. Photo: Yandex.Maps.

n Fall 2021, mineral collectors were excited by the discovery of a new tourmaline-indicolite occurrence in the vicinity of the Shabrovsky village at the southern border of Ekaterinburg. It was found at the top of the southeastrn Grigor'evsky inactive quarry (Figs. 1, 2, 4). We do not know who first discovered this occurrence. The same fall, a pit was opened and was named Indicolite. It was actively operated by local and visiting mineral amateurs. According to them, an oval cavity of 0.5 m long along striking filled by clay and tourmaline crystals up to 15 cm long was opened in the upper part of the substantially tourmaline body. According to unconfirmed reports, about 10 kg of various quality crystals were produced here.

Work in the Indicolite pit continued in 2022 but to no great effect. It stopped by the end of the year and now the pit is inactive. At present, specimens with tourmaline, diaspore and corundum may be collect adjacent the pit and in itself. Unfortunately, the pit walls are a little spoiled by numerous saws and cuts: it is with saw tourmaline crystal crusts were cut.



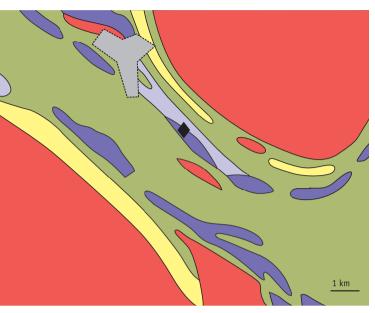


- Lower Silurian metamorphic formation (green schist, gurtz-sericite and guartz-chlorite-sericite rocks),

 contour of the Shabrovsky village, – Indicolite pit. •

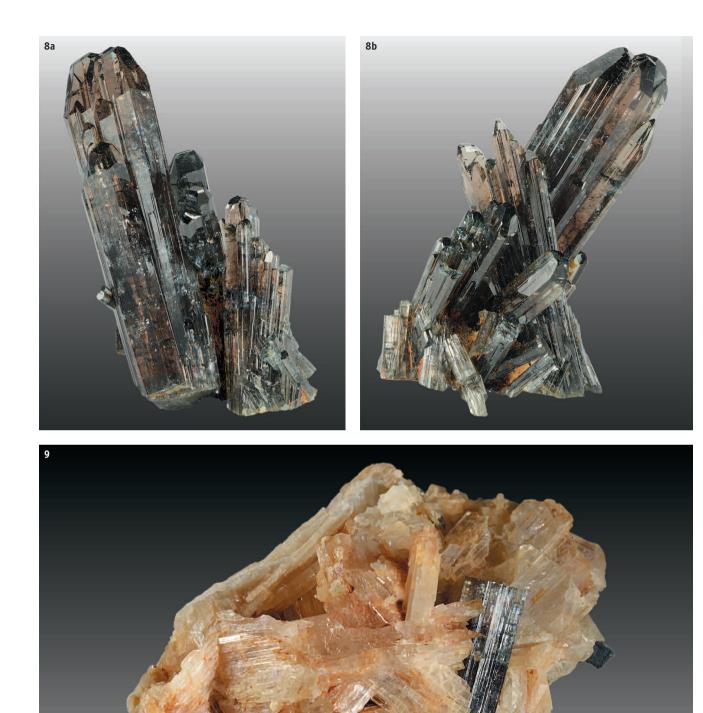


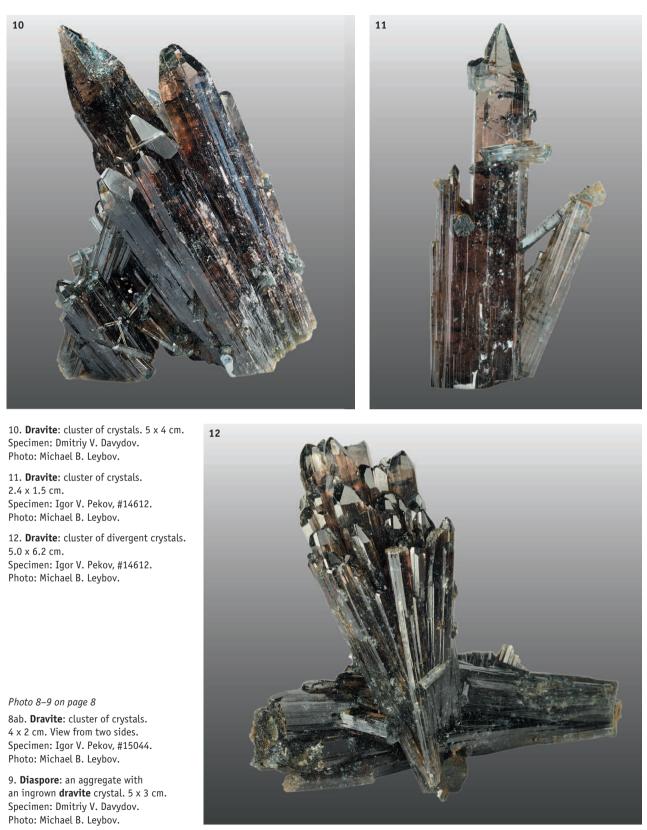
4. Area in the Grigor'evsly quarry, where Indicolite pit is located (arrowed). Photo: V.V. Grigor'ev.



Geology and mineralogy of the Shabrovskoe talc-magnesite deposit, which includes the Indicolite pit, and the Shabrovskoe ore district in general are described in detail by many researchers (Korenbaum, 1967; Ogorodnikov et al., 2000; Baksheev et al., 2006). In the district, relatively small bodies of serpentinized ultramafic rocks are conformable to the rocks of the Sysert metamorphic complex (Fig. 3) and are penetrated by numerous gabbroic and granitoid dikes, which are strongly boudinated in places. Boudins are widely variable in size, from a few tens of centimeters to a few dozen meters. Ultramafic, gabbroic, and granitic rocks are hydrothermally altered to talc-carbonate, quartz-chlorite-dolomite-epidotealbite-actinolite, and quartz-muscovite-albite associations, respectively. Erokhin et al. (2003) reported the Early Permian age for granitic altered rocks. Talc-carbonate rocks of the Shabrovskoe ore district were formed at 285-350°C and 1.2-3 kbar (Baksheev et al., 2006).







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