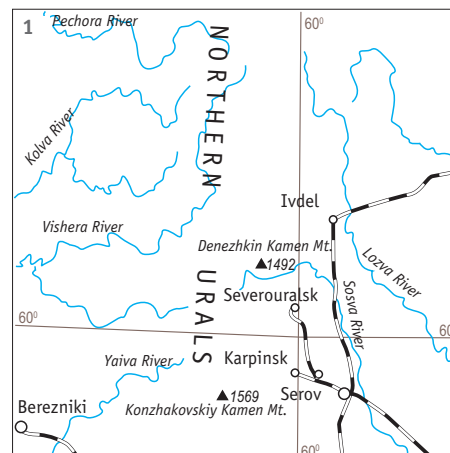


FOR STAUROLITE TO KHOZA-TUMP RIDGE, NORTHERN URALS

Photo: Mikhail V. Tsyganko,
unless otherwise mentioned

Specimens: Museum "Shtufnoi Cabinet,"
Severouralsk, unless otherwise mentioned



1. Geographical location of the Khoza-Tump Ridge, Krasnovishersk District, Perm Krai, Northern Urals.

2. Searching for collection-quality staurolite specimens. On photo: Mikhail V. and Alexey M. Tsyganko.



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The beautiful collection-quality staurolite in the Urals was found mainly in its southern part, in the area of the towns of Zlatoust and Plast. Large staurolite crystals in the Northern Urals are mentioned in *Catalogue of National Monuments* on sheet P-40-XXXVI of the Russian Federation State geological map of 1:200000 scale, "rocky outcrops of the Moyva Formation crystalline schists with garnet, staurolite, and disthene located 5 km north of the Khoza-Tump Ridge in tectonic scrap limiting ancient planation surface." We could not find any other information about this occurrence until recently. Given that the location of these rocky outcrops is very approximate and the Khoza-Tump Ridge is 60 km long, self-maintained search appeared to be futile. However, recently, the more detailed information about large staurolite and kyanite crystals at that place was published by G.A. Petrov (2020), who studied that part of the Northern Urals for a long time. It was this that determined the aim of our field trip in 2020.

The area of interest is situated several km west of the axial part of the Khoza-Tump Ridge in the northeastern part of the Krasnoveshersk District, Perm Krai



9. Specimen of quartz-muscovite rock with large deformed **staurolite** crystal (with **almandine** inclusions):

(a) just found,
(b) specimen after careful preparation (12 x 10 cm). Pravaya Rossokha River.

10. Twin on (231) – "diagonal cross" of **staurolite** in quartz-muscovite schist: (a) just recovered from block and (b) after careful preparation (13 x 10 cm). Granichnaya River.

stood on shelves in a showcase devoted to mineralogy of the Krasnovishersk District, Perm Krai in mineralogical museum "Shtufnoi Cabinet" in Severouralsk (Figs. 9, 10), and were also donated to other museums in Russia.

Staurolite

Large well-shaped staurolite crystals are undoubtedly interesting for mineral collectors. Staurolite occurs as dark brown prismatic crystals up to 10 cm long in quartz-muscovite schist and is associated with dark red to purple almandine crystals up to 3 mm in size. Similar garnet crystals are more characteristic of the eastern part of the metamorphic