

/ Business Overview / Mineral resource base

**KOLA PENINSULA**

(Kola MMC)



Severnoy Mine was allotted to develop Pechenga ore fields (the Kola Peninsula), including Zhdanovskoye, Zapolyarnoye, Kotselvaara-Kammikivi, and Semiletka (Kaula-Kotselvaara mine) Fields. In addition to those, Severnoy Mine’s allotment also embraces Sputnik, Bystrinskoye, Tundrovoye, and Verkhneye Fields.

The copper-nickel reserves of Zhdanovskoye, Zapolyarnoye, Kotselvaara-Kammikivi and Semiletka were further explored and assigned higher classification categories.

**Proven and probable reserves**

**~133** mln t of ore

**Ni** ~0.8 mln t

**Cu** ~0.4 mln t

**Measured and indicated resources**

**340** mln t of ore

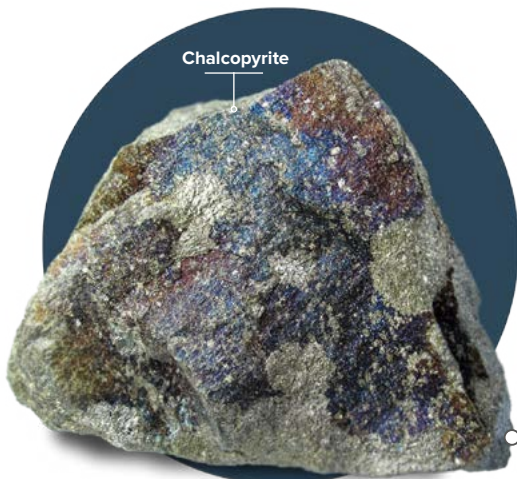
**Ni** 2.3 mln t

**Cu** 1.1 mln t

**Changes in on-balance reserves in 2016<sup>1</sup>**

**Depleted**  
 Ni — 44.8 kt  
 Cu — 18.7 kt

**Upgraded to a higher category<sup>2</sup>**  
**6.8** mln t of ore  
 average metal content  
 Ni — 0.63%  
 Cu — 0.26%



**In the long term, the Kola Peninsula’s available mineral resource base will allow Norilsk Nickel to maintain its current level of metal output.**

<sup>1</sup> According to the classification of reserves and prognostic resources of solid minerals approved by Order No. 278 of the Russian Ministry of Natural Resources and Environment dated 11 December 2006  
<sup>2</sup> At the Zhdanovskoye, Zapolyarnoye, Kotselvaara-Kammikivi and Semiletka Fields