



SELYSCHANSKA BLOCK TITANIUM ORES

Mineral: titanium ores.

Type, period of subsoil use: geological study including development of deposits of minerals national importance, 5 years.

Location: 6.5 km northeast of Irshansk village, Korosten district, Zhytomyr region.
The nearest villages are Shershni, Sychivka, Zabrane.

Block area: 1857 ha.

Geological summary. Selyschanska block is located within the Volyn titanium-bearing province, in the area of the north-eastern contact of the Volodarsko-Volyn gabbro-anorthosite massif with the granitoids of the Korosten complex. The geological structure of the territory involves crystalline rocks of the foundation, kaolin weathering crusts and sedimentary rocks of the Meso-Cenozoic.

Ilmenite-bearing deposits are spatially confined to two local depressions in the Paleodolin and form two separate elongated deposits in the north-eastern direction. The northern deposit is quite large. Its width in some sections varies from 400 to 1400 m, the extension is up to 7000 m, the total area is about 10 km². The southern deposit is elongated parallel to the northern one, separated from it by a local uplift 500-700 m wide and smaller in size - its area is up to 6 km². The productive horizon is 55% composed of lower-middle Quaternary sediments, 33% is represented by undivided Middle Jurassic and Upper Cretaceous rocks and 12% by primary tribes. Due to the different age of the sediments, the presence of local uplifts and depressions in the system of valley-like depressions, uneven distribution of ore mineral (ilmenite), the parameters of the ore deposit are unsustainable. The total thickness of productive rocks varies from 1.0 to 18.5 m with an average of 10.0 m (5.5 m - in alluvial deposits and 4.5 m - in the weathering crust). The content of ilmenite is at the level of 50-70 kg/m³. Productive horizons lie at different depths - in the northern part of the placer and on its sides, they are covered with 8-12 meters thick ore rocks, the thickness of ore rocks reaches 20-25 m in the southern and central parts and the average placer is 13 m. Technological study was not conducted within Selyschansk block.

Available geological information. During the period from 1955 to 1959, the Western Ukrainian Expedition and Ukrgeolupravlinnya Zhytomyr Party within Volyn was discovered and explored a number of large placer and residual ilmenite deposits, which were named as Irsha group of deposits. Selyschanska block was discovered as a result of prospection in 1972-1975. In 2007-2011 prospection within the Selyschanska block in order to assess the reserves of loose ilmenite ores and calculate reserves by categories B+C₁ were carried out by Ukrainian Geological Company SE at the expense of budget funds.

But due to lack of funding, the work was not completed. The Selyschanska block was considered as perspective one for further geological study.

Resources/reserves assessment. Not estimated.

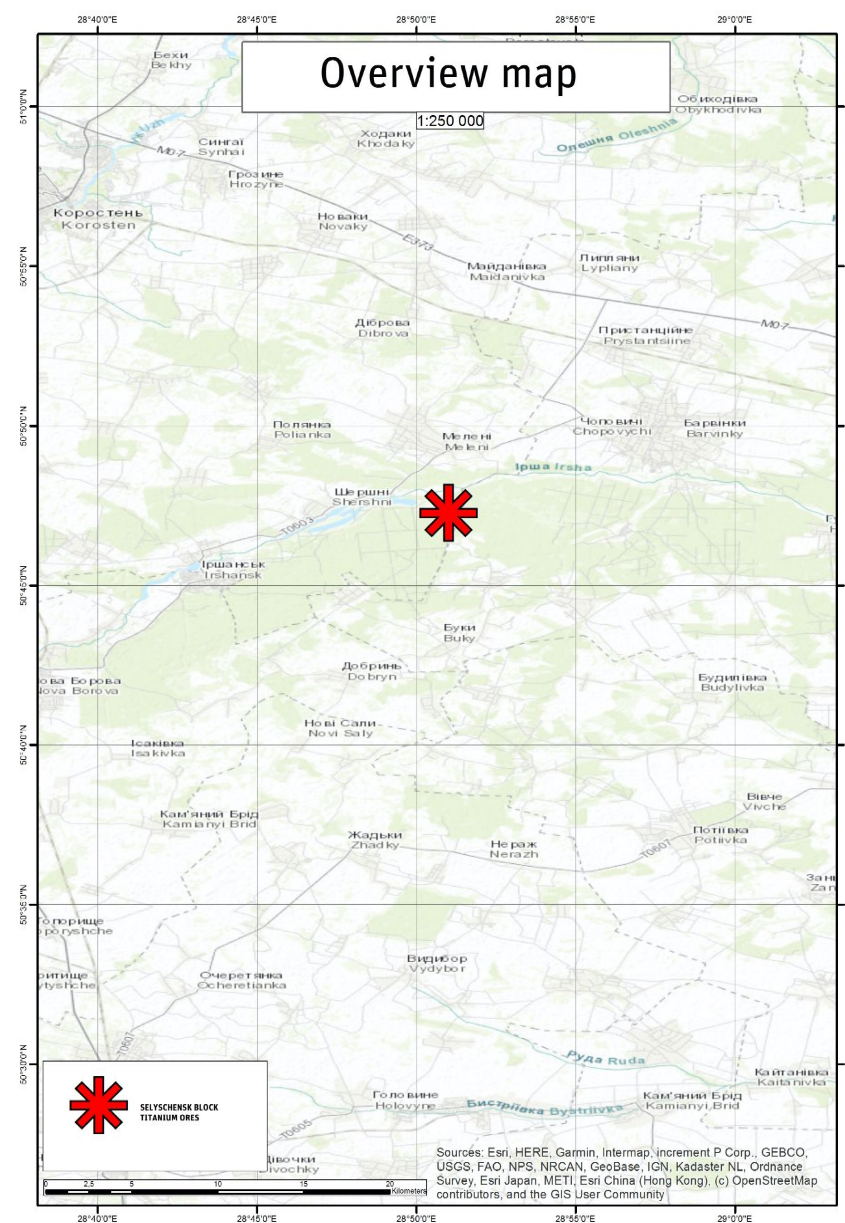
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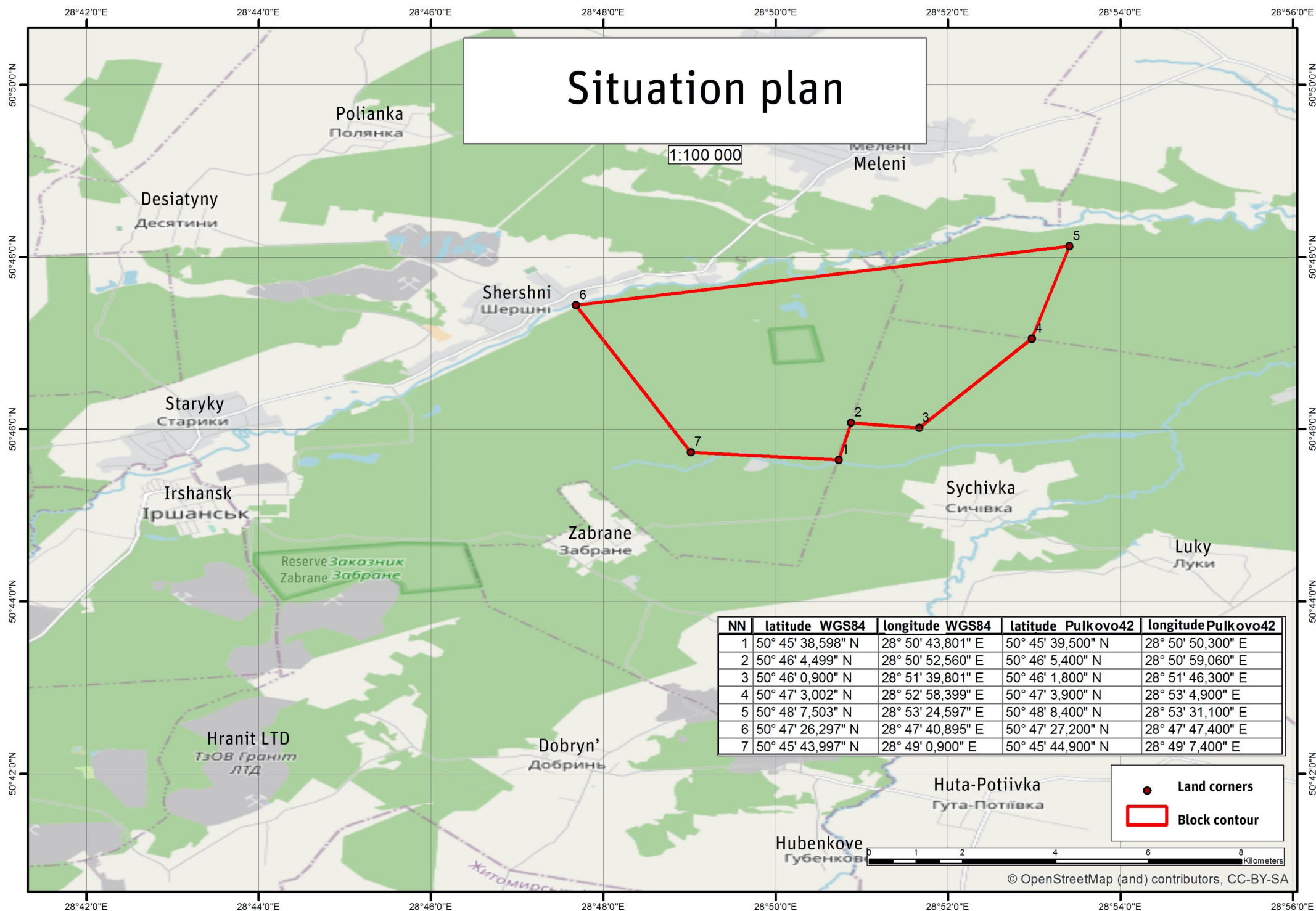
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Minimum work program: Provided by agreements on terms and conditions of subsoil resources and defined in the Work Program appendix. Sample agreements can be found at:

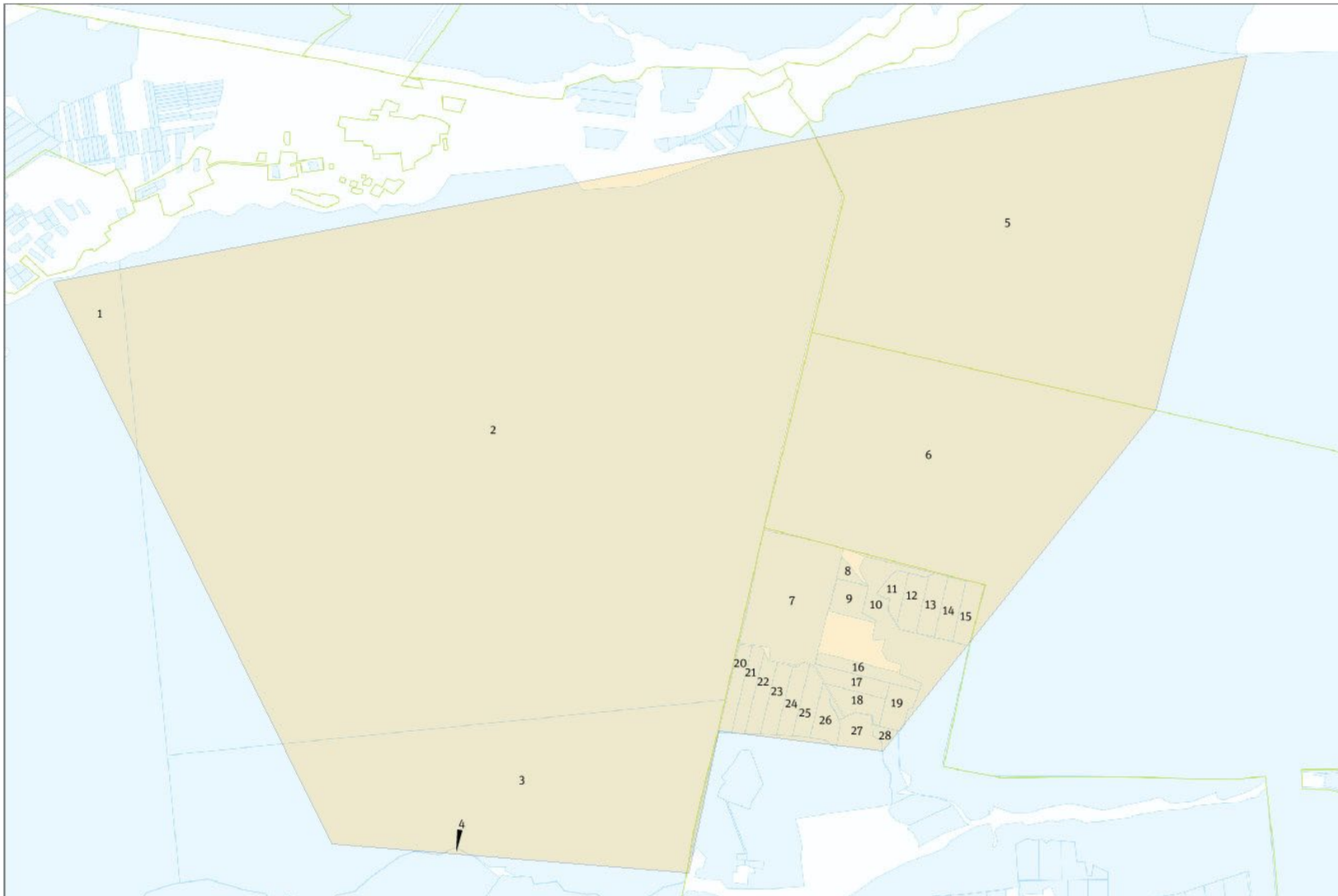
<http://www.geo.gov.ua/primirni-ugodi-pro-umovi-koristuvannya-nadrami/>





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List of cadastral numbers of land plots, within the contour of the deposit



- 1 1822386800:07:000:0199
- 2 1822386800:07:000:0189
- 3 1822386800:07:000:0192
- 4 1822386800:07:000:0196
- 5 1823455400:04:000:0246
- 6 1823481400:10:000:0001
- 7 1823481400:04:000:0103
- 8 1823481400:04:000:0131
- 9 1823481400:04:000:0017
- 10 1823481400:04:000:0109
- 11 1823481400:04:000:0133
- 12 1823481400:04:000:0115
- 13 1823481400:04:000:0135
- 14 1823481400:04:000:0012
- 15 1823481400:04:000:0011
- 16 1823481400:04:000:0020
- 17 1823481400:04:000:0022
- 18 1823481400:04:000:0126
- 19 1823481400:04:000:0125
- 20 1823481400:04:000:0124
- 21 1823481400:04:000:0026
- 22 1823481400:04:000:0123
- 23 1823481400:04:000:0028
- 24 1823481400:04:000:0122
- 25 1823481400:04:000:0030
- 26 1823481400:04:000:0104
- 27 1823481400:04:000:0104
- 28 1823481400:04:000:0121



Information on land plots, in particular by cadastral number, can be obtained on the Public Cadastral Map of Ukraine:
<https://cutt.ly/Fx0CuBg>

- State / municipal property
- Private property
- Not specified