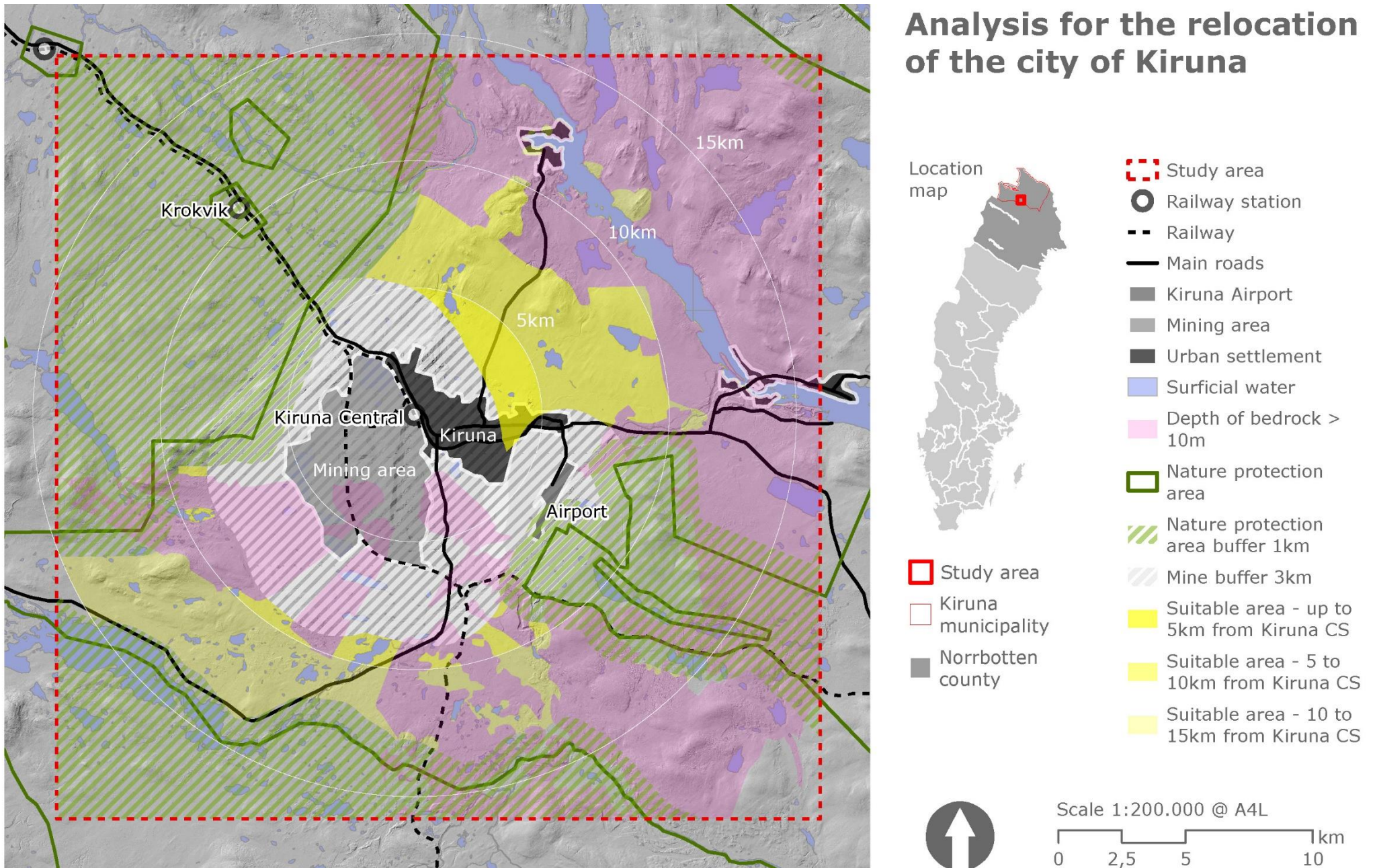
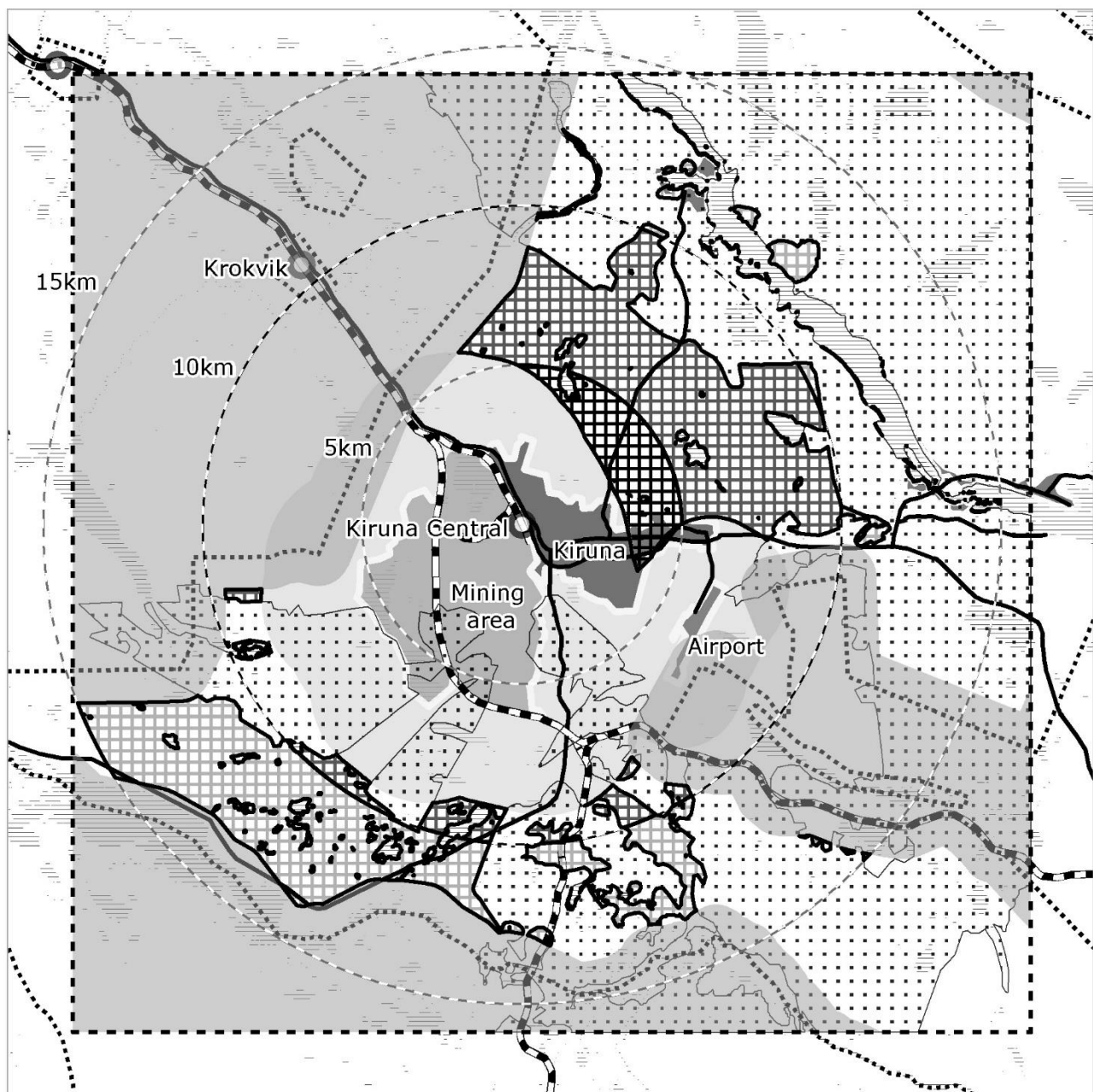


## Analysis for the relocation of the city of Kiruna



**Figure LAB5.3.1** - Version for slide presentation. Analysis of the city of Kiruna and surroundings for the relocation of the city, due to ground subsidence caused by the adjacent iron mine. A hillshade model has been used as a base, and conditions for a suitable location have been established, such as minimum distance to nature protected areas, to mining activities area, or to Kiruna Airport premises. Other conditions, such as depth of bedrock, is considered as essential to provide a stable base to the future city.



Location map



- Study area
- Kiruna municipality
- Norrbotten county

- Study area
- Railway station
- Railway
- Main roads
- Urban settlement
- Other settlements
- Surface water
- Depth of bedrock > 10m
- Nature protection area
- Nature protection area buffer 1km
- Mine buffer 3km
- Suitable area - up to 5km from Kiruna CS
- Suitable area - 5 to 10km from Kiruna CS
- Suitable area - 10 to 15km from Kiruna CS



Scale 1:200.000 @ A4P



**Figure LAB5.3.2** - Analysis of the city of Kiruna and surroundings for the relocation of the city, due to ground subsidence caused by the adjacent iron mine. A hillshade model has been used as a base, and conditions for a suitable location have been established, such as minimum distance to nature protected areas, to mining activities area, or to Kiruna Airport premises. Other conditions, such as depth of bedrock, is considered as essential to provide a stable base to the future city.