Figures

1.1 Map produced by the Northern Exploration Company during the First World War, indicating the firm’s ambition to integrate Spitsbergen into the British Empire  

1.2 Mining in the High Arctic: The Diavik diamond mine in Canada’s Northwest Territories, approximately 300 kilometers northeast of Yellowknife and 220 kilometers south of the Arctic Circle

2.1 Location map of Greenland
2.2 Location map of Fennoscandia
2.3 Detail of a map from 1646 of the Nasafjäll silver mine in Swedish Lapland by mining officer Hans Fredrik Lybecker the elder
2.4 Location map of North America
2.5 Was the Atomic Bomb Arctic?
3.1 Location map of Svalbard
3.2 Road ahead? The last Norwegian coal mine (Gruve 7) in Adventdalen, closing in 2023
3.3 Geopolitics: Science brings an international vibe to Svalbard, but it also marks Norwegian presence
3.4 Tourism: Last chance to see a retreating glacier?
3.5 Ny-Ålesund: A former company town reinvented as a research hub
5.1 Overview of Arctic Fennoscandia, Laevas Sámi Reindeer Community, and the Kemi River catchment area
5.2 Timeline illustrating the establishment of industrial developments since their onset on Laevas Sámi Reindeer Community’s grazing grounds from 1900 to present
5.3 Laevas Sámi Reindeer Community in the Swedish portion of Sápmi, the homeland of the Sámi people, overlapping disturbance zones, based on 500-meter buffers and total area of factors encroaching Laevas SRC’s grazing grounds
5.4 Fishing weir in Kemijoki Tervola, 1922
6.1 Overview of Arctic Fennoscandia and the location of sites mentioned in the text
List of Figures

7.1 A replica of a slide from Greenland Minerals and Energy Limited’s presentation at the PDAC Convention 2016 organized by the Prospectors & Developers Association of Canada 157

7.2 A replica of a slide from Greenland Minerals and Energy Limited’s presentation at the PDAC Convention 2018 organized by the Prospectors & Developers Association of Canada 158

8.1 Facing the subterranean world in the limestone mine of Hangelby, Sipoo, 1956 168

8.2 A loading machine in a mine 173

8.3 A monumental “sacrificial” mining landscape in Kiruna 173

9.1 Map over the Lunckefjell-Sveagruva mining area in Svalbard 188

9.2 The Lunckefjell mine with its access road in August 2016 189

9.3 Svea during summertime 2019 192

9.4 The deep water quay and the loading crane at Kapp Amsterdam 194

9.5 Nautanen mining area 197

9.6 The contaminated remains of the Nautanen concentration plant and copper smelter 198

10.1 Location map of Northern Fennoscandia 208

10.2 The mine and the mining settlement Laver 210

10.3 The spatial extent of the old Laver mining site, the applied mining concession Laver K nr1, and the proposed mining area realized to its full extent 213

10.4 Number of workers in Rautuvaara (from 1961) and Hannukainen (from 1978) mining sites and number of nights spent in accommodation facilities in the province of Lapland and the municipality of Kolari 217

11.1 Kiruna town with its miscellaneous buildings 236

11.2 Kirunavaara – the mountain where the LKAB company has been mining for over 120 years, designated as a national interest for cultural heritage preservation by the Swedish National Heritage Board, and an example of the heritage values that the mining operations have generated 237

11.3 Schefferville and Matimekush, Québec: the empty lots to the right are where the houses were destroyed 239

11.4 Tata mine and Iron Ore Company pit left from earlier exploitation 240

12.1 Varanger peninsula: Meahcci or ripe for quartzite extraction? 252

12.2 Location map of Northern Norway 255