



FRAME

FORECASTING AND ASSESSING EUROPE'S
STRATEGIC RAW MATERIALS NEEDS

WP7 Historic Mine Sites revisited

Deposit Fact Sheet

Nordgruve Ore Field

Author: Terje Bjerkgård



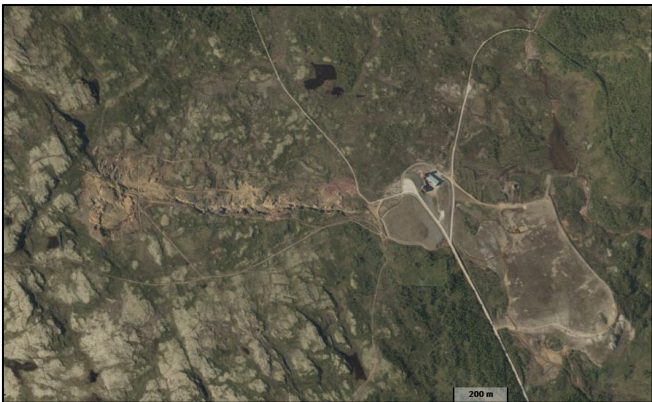
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731166





FRAME

FORECASTING AND ASSESSING EUROPE'S
STRATEGIC RAW MATERIALS NEEDS

Name of deposit	Nordgruve Ore field			
Author	Terje Bjerkgård Geological Survey of Norway, PO Box 6315 Torgarden, NO-7491 Trondheim, Norway			
  Aerial photos of the Kongens mine (upper left), Christianus Sextus mine (upper right) and Mugg mine with waste dumps.				
Location	Country	(nearest) Town	Coordinates	
	Norway	Røros	Latitude	Longitude
			62.6701 N	11.3190 E



FRAME

FORECASTING AND ASSESSING EUROPE'S
STRATEGIC RAW MATERIALS NEEDS

Main Commodity/ies	By-products	CRM potential	
Cu, Zn, Pyrite	Pb, Ag	In, Bi	
Type of deposit	Ore, Mine waste		
Mine Status	closed		
Period of activity	Start	End	
	1657	1977	
Production	Cumulative historic production (period)	Tonnage	Type
	1657-1977	3 Mt	ore

Regional Geology		
Host rock(s)	Age of host rock	
metagreywacke	Ordovician	
Mineralization		
Ore forming minerals	Age of mineralization	Ore grade
Chalcopyrite, Sphalerite, Pyrrhotite, Galena, Pyrite, Bismuth, Bismuth sulphide, Hessite	Ordovician	Kongens 3 % Cu, 6 % Zn Sextus 3 % Cu, 8 % Zn Mugg 4 % Cu, 1 % Zn Fjellsjø 2 % Cu, 8 % Zn Lergruvbakken 1 % Cu, 18 % Zn
Deposit Type	VMS (Siliciclastic-Mafic type)	

Access restrictions	yes	no	unknown
	Mainly flooded, collapsed, infilled	Potential from mining wastes	
	Type of restrictions		
	Preservation		
Ownership	Type of owner	Name	
	Municipality, State	Røros	

Remarks
Mine dumps and ore (1.5-2 Mt in Fjellsjø, 1.5 Mt in Kongens, 0.49 Mt in Lergruvbakken) the dumps are preserved as cultural heritage