

STATE GEOLOGICAL MAP OF UKRAINE

Scale 1:200 000

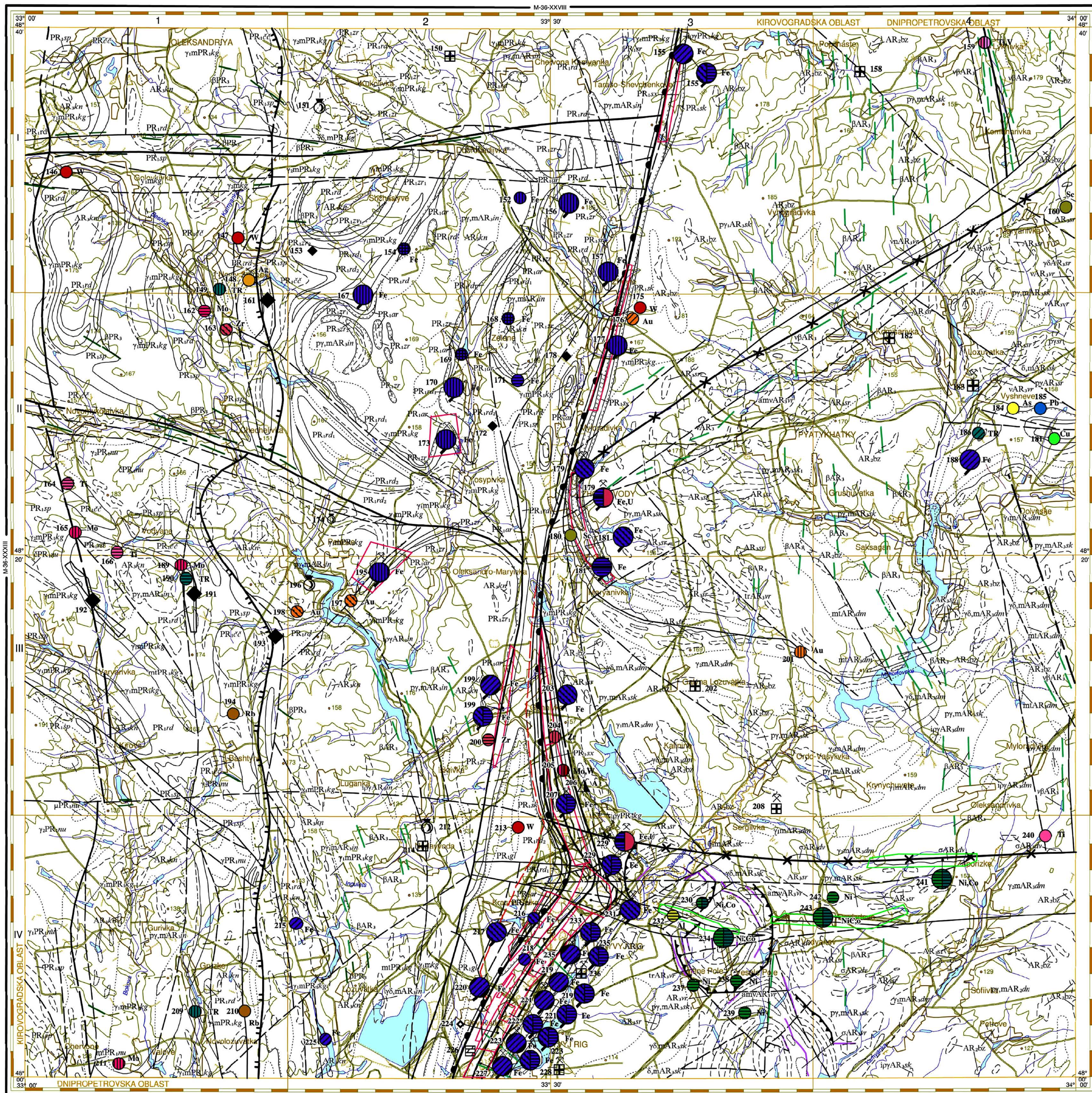
MAP OF MINERAL RESOURCES OF CRYSTALLINE BASEMENT

Central-Ukrainian Series

M-36-XXXIV (Zhovti Vody)

2000.

2002.



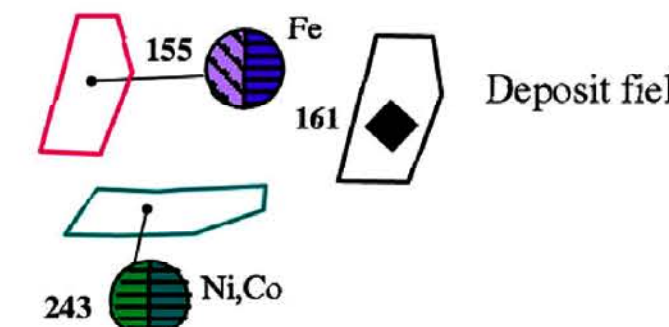
MINERALS

Sub-Group	Sub-Group	Type	Geological-Economic Type	Ore Mineral Types	Deposits	Occurrences
METALLIC MINERAL RESOURCES	FERROUS METALS	Iron	Bilgorodskiy Iron-stone	Limonite		● Fe
			Siderite		● Fe	
			Silicate-magnetite, hematite-martite	● Fe		
			Silicate-magnetite, silicate-carbonate-magnetite	● Fe		
			Silicate-magnetite	● Fe	● Fe	
			Amphibole-magnetite	● Fe	● Fe	
		NON-FERROUS METALS	Titanium	Ilmenite		● Ti
			Titanium, vanadium	Titanomagnetite (vanadium-bearing)		● Ti, V
			Nickel	Nontronite-limonite		● Ni
			Nickel, cobalt	Nontronite, nontronite-limonite	● Ni, Co	● Ni, Co
			Aluminium	Boehmite-gibbsite		● Al
			Copper	Pyrite-pyrrhotite-chalcopyrite		● Cu
NON-METALLIC MINERAL RESOURCES	PRECIOUS METALS	Arsenic	Pyrite-arsenopyrite		● As	
		Lead	Galena		● Pb	
		Molybdenum	Quartz-chalcopyrite-molybdenite		● Mo	
		Molybdenum, tungsten	Molybdenite		● Mo	
		tungsten	Scheelite-molybdenite with chalcopyrite		● Mo, W	
		Rubidium	Not defined		● W	
		Scandium	Not defined		● Rb	
		Rare earths	Not defined		● Sc	
		RARE METALS, TRACE AND RARE-EARTH ELEMENTS	Zirconium	Apatite		● TR
			Xenotime-monzazite-zircon		● TR	
			Monazite		● TR	
		PRECIOUS METALS	Gold	Apatite-malaccon		● Zr
Gold-sulphide-quartz	Zircon-xenotime-monzazite			● Zr		
Gold-sulphide-quartz-graphite	Zircon			● Zr		
NON-METALLIC MINERAL RESOURCES	NON-ORE RAW MATERIALS	Gold	Gold-sulphide		● Au	
		Silver	Gold-sulphide-quartz-graphite		● Au	
		Not defined	Gold-sulphide		● Au	
NON-ORE RAW MATERIALS	CONSTRUCTION MATERIALS	Apatite	Zircon-apatite		● Ag	
		Kaoline		● A		
		Dolomite (flux)		● A		
CONSTRUCTION MATERIALS	NON-ORE RAW MATERIALS	Asbestos		◆		
		Graphite		◆		
		Granite		◆		

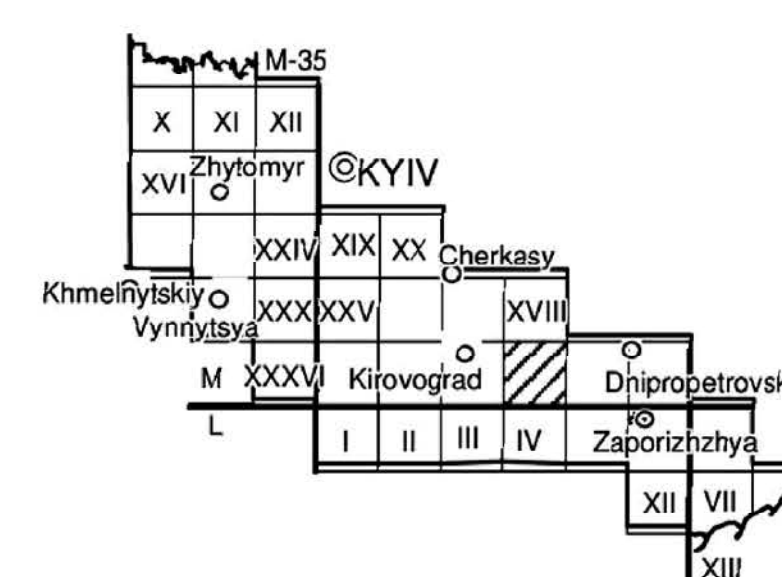
170 ○ Fe □ Deposits  
146 ◇ W ▲ Occurrences  
Left of symbol - number of deposit or occurrence; right - index of major valuable component

Degree of deposit development  
○ × In production  
○ × Completely exhausted  
○ × In conservation  
○ □ ◇ Out of production

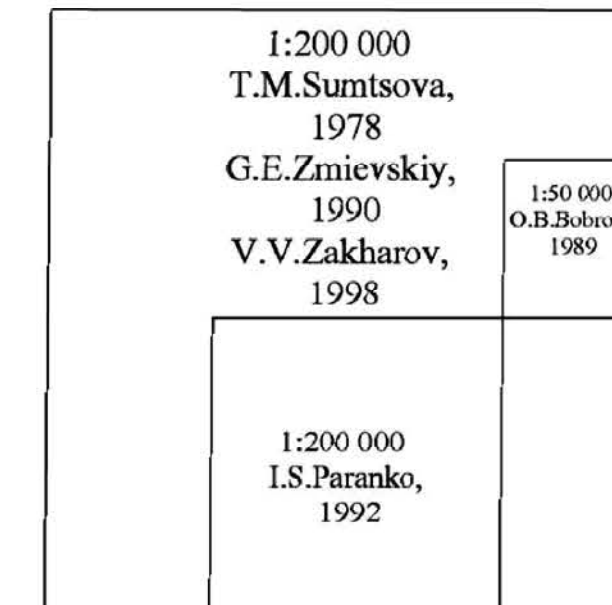
Ore body morphology  
○ Sheet-like bodies, beds  
○ Column-like bodies  
○ Lenses, bunches



SCHEME OF THE CENTRAL-UKRAINIAN SERIES MAP SHEETS LOCATION

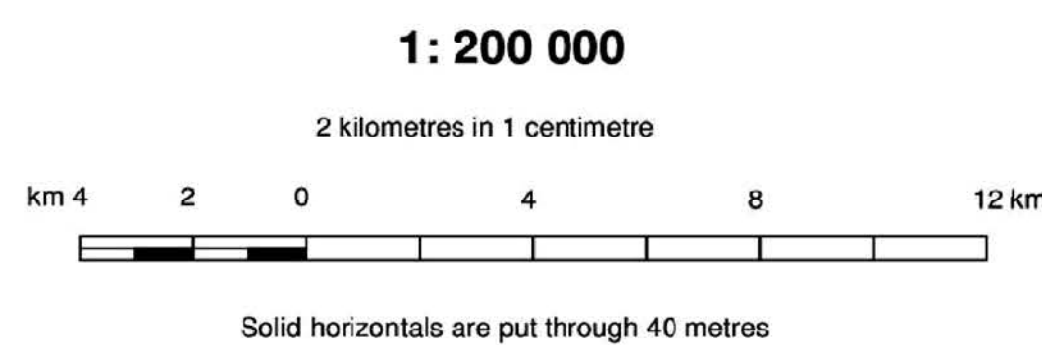


SCHEME OF MATERIALS USED



The map is based on the simplified contour map of crystalline basement  
The map is created in the State Geological Enterprise "Pivdenukrgeologiya" to order of the Department of Geology and Subsurface Use of the Ministry of Ecology and Natural Resources of Ukraine  
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