



FRAME

FORECASTING AND ASSESSING EUROPE'S
STRATEGIC RAW MATERIALS NEEDS

WP7 Historic Mine Sites revisited

Deposit Fact Sheet

Malyshivske (Schidna, Tsentralna)

Authors: Igor Melnyk



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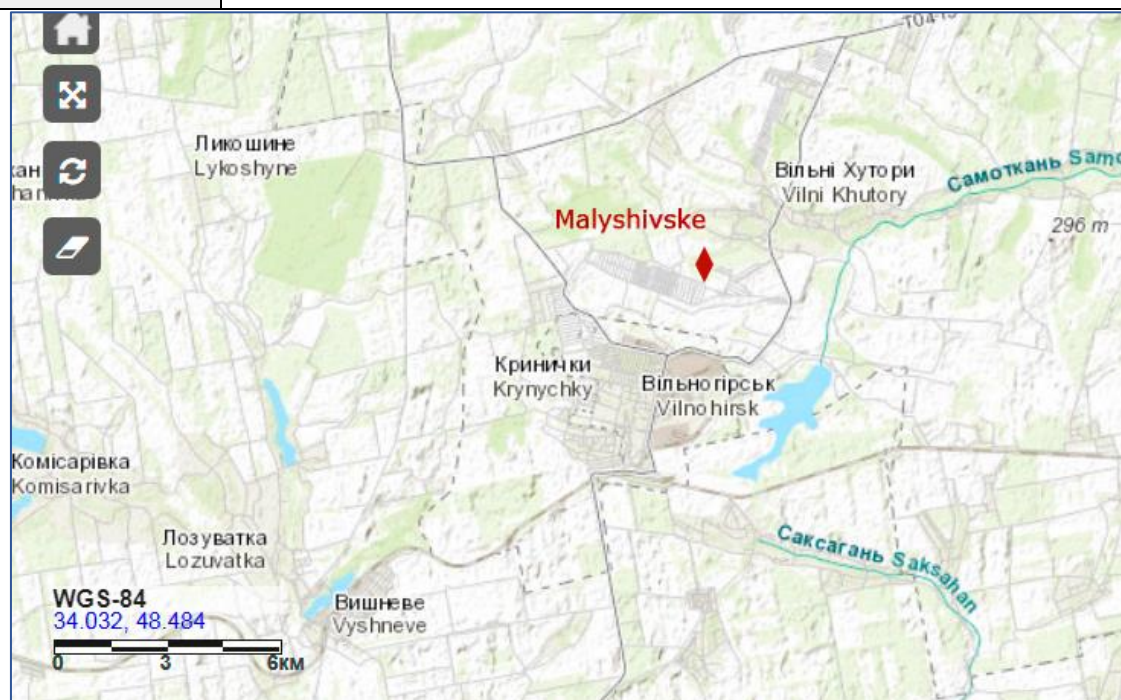




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Name of deposit	Malyshivske (Schidna, Tsentralna)
Author	SRDE, Geoinform of Ukraine



Source: <http://minerals-ua.info/mapviewer/nemetali.php>

Location	Country	(nearest) Town	Coordinates	
	Ukraine	Vilnogorsk	Latitude 48,5083	Longitude 33,9820

Main Commodity/ies	Ilmenite (TiO ₂)	Rutile (TiO ₂)	Zircon (ZrO ₂)			
By-products	HfO ₂	Sc ₂ O ₃	V ₂ O ₅	Ta ₂ O ₅	Nb ₂ O ₅	Disten, Sillimanite, Staurolite, Sand forming
CRM potential	HfO ₂	Sc ₂ O ₃	V ₂ O ₅	Ta ₂ O ₅	Nb ₂ O ₅	



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Type of deposit	Deposit, mine waste		
Mine Status	Active		
Period of activity	Start	End	
	since 1961		
Production	Tonnage/ year	Type	
	4389.4 th.m ³ , ore	Ore (placers titanium- zircon)	
	Cumulative historic production (period)	Tonnage	Type
	1962-2019	787.7 th.t zircon	concentrate
		1,467.9 th.t rutile	concentrate
		4,377.1 th.t ilmenite	concentrate
		202.5 th.t disten	concentrate concentrate
		588.5 th.t staurolite	concentrate
		199,683.3 th.t	ore

Regional Geology		
Host rock(s)	Age of host rock	
Amphibolites, epidiorites, chlorite-amphibole, quartz-sericite and sericite-chlorite shales, serpentinites	3.5-4 billion years basic-ultrabasic complex of Precambrian shield	
Mineralization		
Ore forming minerals	Age of mineralization	Ore grade
Ilmenite, rutile, zircon, distene-sillimanite, staurolite, tourmaline, chromite, chromium spinel, monazite	Sarmatian stage Poltava series	HfO ₂ in zircon - 1.19% Ta ₂ O ₅ in rutile - 0.04% Ta ₂ O ₅ in ilmenite - 0.02% Nb ₂ O ₅ in rutile - 0.37% Nb ₂ O ₅ in ilmenite - 0.10% V ₂ O ₅ in ilmenite - 0.13% Sc ₂ O ₃ in ilmenite - 0.021%
Deposit Type	Placer	



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Reserves	Reserves (th.m ³ , ore)	Code	Category/ies
	15 851.0	111	B+C ₁
	Reserves (th.t)		
	TiO ₂ – confidential ZrO ₂ – confidential	111	B+C ₁
	Reserves (t)		
	TiO ₂ – confidential ZrO ₂ – confidential HfO ₂ – 1424.7 Ta ₂ O ₅ – confidential Nb ₂ O ₅ – confidential V ₂ O ₅ – 621.3 Sc ₂ O ₃ – confidential	122	C ₂
Access restrictions	yes	no	unknown
	Potential from mining wastes		
	Type of restrictions		
	Storage of tailings		
Ownership	Type of owner	Name	
	State property	JOINT STOCK COMPANY UNITED MINING AND CHEMICALCOMPANY (JSC UMCC), state enterprise	
References	Literature	Links	
	Geological Reports Numbers: №19480; №59334, №63985, №64529	http://minerals-ua.info http://geoinf.kiev.ua/	