Tervasmäki

Occurence type: prospect

Commodity	Rank	Total measure	Total production	Total resource	Importance
gold	1	NA	NA	NA	NA
antimony	4	NA	NA	NA	NA

Easting EUREF: 292176,638
Northing EUREF: 6963334,918
Easting YKJ: 3292264
Northing YKJ: 6966255

Discovery year: 1977
Discovered by: Geological Survey of Finland
Province: Seinäjoki (Au, Sb)
Comments: Discovery: Sb-rich erratic boulders found by amateur prospectors led to discovery of a Sb-mineralisation in outcrop.
References: 4

Mineral deposit type

Group: Metallogenic deposit
Main type: Orogenic (metamorphic hydrothermal)
Sub type 1: Sb-Au

Dimension

Expression: NA
Form: NA
Shape: NA
Length (m): 150
Width (m): 13
Thickness (m): NA
Depth (m): NA
Area (ha): NA
Dip azim: NA
Dip: NA
Plunge azim: NA
Plunge dip: NA
Orientation method: NA

Holder history

Current holder: Southern Ostrobothnia Minerals Oy
Years: 2018
Holding type: Application for exploration permit

Previous holders:

Company	Years	Holding type	Comments
private enterprise	2007-2008	Claim (old law)	Jouko Jylänki
Geological Survey of Finland	1975-1982	NA	NA

EXPLORATION ACTIVITY

Mineral Exploration Network (Finland) Limited

Years	Activity type	Geologist	Exploration result	Ref
2016-2016	regional reconnaissance	NA	NA	3
	The MEN assessed the area by using only the existing information. The company itself did apparently not do any exploration in the area.			

Geological Survey of Finland

Years	Activity type	Geologist	Exploration result	Ref
1977-1979	core drilling	Paunu Oivanen.	NA	4
	Core drilling (reconnaissance drilling): 10 diamond-drill holes. One or two holes per profile, profiles about 50 m apart.			
	Intersections			
	HoleID	R311		
	From-To	NA		
	Length	5m		
	gold	1,3ppm		
	antimony	0,55%		

1975-1975	regional geophysics	Paunu Oivanen	key geological features	
	Low-altitude airborne magnetic, electromagnetic and radiometric survey			

1975-1982	detailed geophysics	Paunu Oivanen	NA	1, 2, 4
	A consistent magnetic and electric anomaly about 1 km long, because the wallrock on both sides is a pyrrhotite- and graphite-bearing mica schist.			

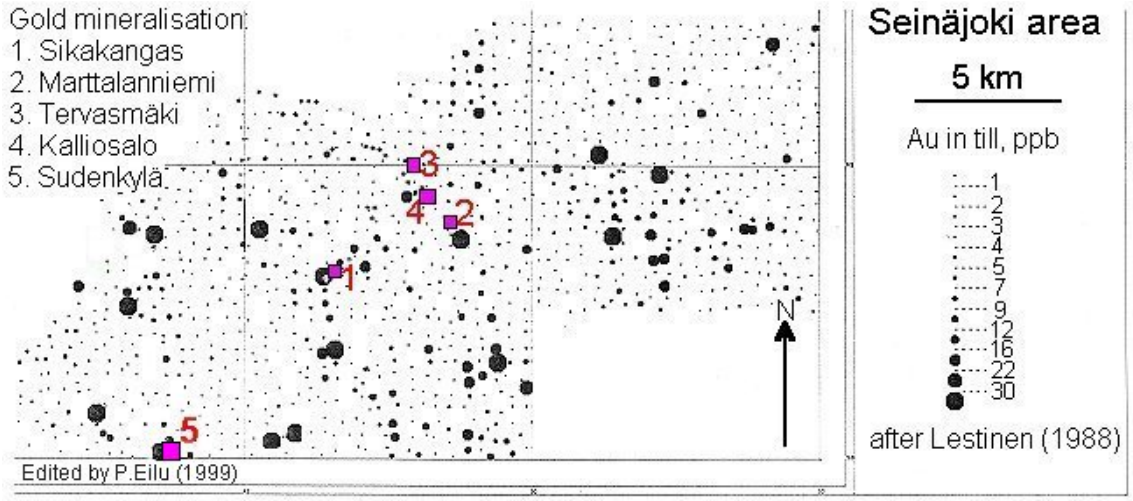
1975-1982	excavation	Paunu Oivanen.	NA	1, 2, 4

1975-1982	detailed geology	Paunu Oivanen.	mineral occurrences	1, 2, 4
	Sb-rich erratic boulders found by amateur prospectors led to discovery of a Sb-mineralisation in outcrop.			

1975-1982	regional geochemistry	Paunu Oivanen.	NA	2
	Extensive Au anomalies in the region in till; the regional Sb and As anomalies in till are, apparently, unrelated to gold mineralisation.			

Figures

Secondary anomaly:



GEOLOGY

Host rock: Mica schist, Plagioclase porphyrite

Mica schist (Host rock)

Rock type: Host rock
Proportion: major
Grain size: NA
Color: NA
References: 4

Ore minerals:

Mineral	Proportion	Mineral texture
Antimony	major	
Arsenopyrite	major	
Chalcopyrite	minor	
Gudmundite	minor	
Löllingite	minor	
Pyrrhotite	minor	

Alteration:	Distribution:	Degree:	Relation to mineralization:
silicification	NA	NA	NA
sericitic alteration	NA	NA	NA

Metamorphic description:

Type:	Facies:	Degree:	Relation to mineralization:	Min P- Max P (kbar)	MIn T- Max T (°C)
Regional	amphibolite metamorphic facies	medium metamorphic grade	NA		
Comments: Plagioclase - hornblende - quartz - biotite ± cummingtonite.					

Plagioclase porphyrite (Host rock)

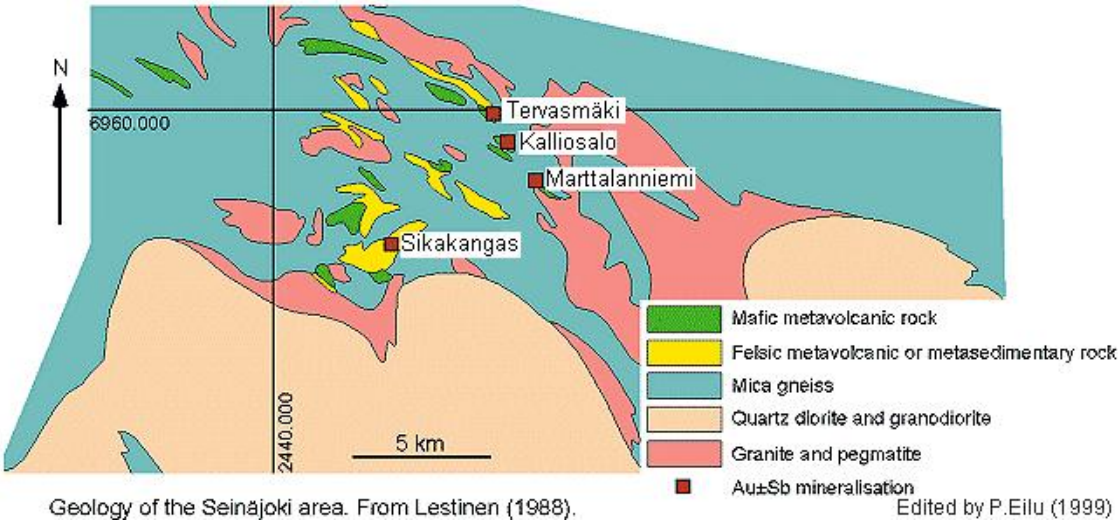
Rock type: Host rock
Proportion: major
Grain size: NA
Color: NA
References: 4

Metamorphic description:

Type:	Facies:	Degree:	Relation to mineralization:	Min P- Max P (kbar)	MIn T- Max T (°C)
Regional	amphibolite metamorphic facies	medium metamorphic grade	NA		

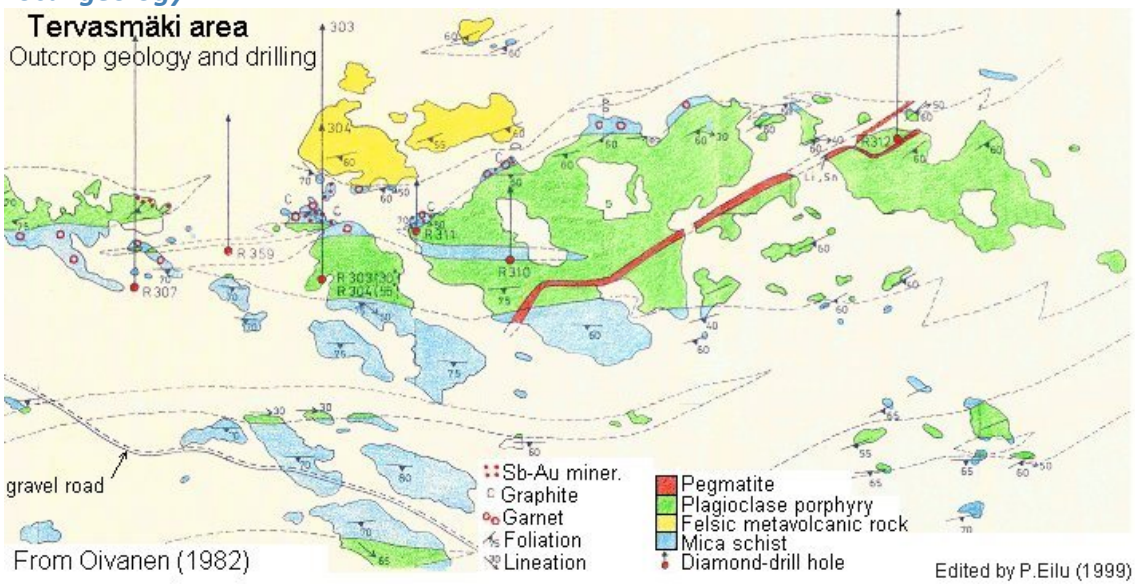
Figures

Regional geology:



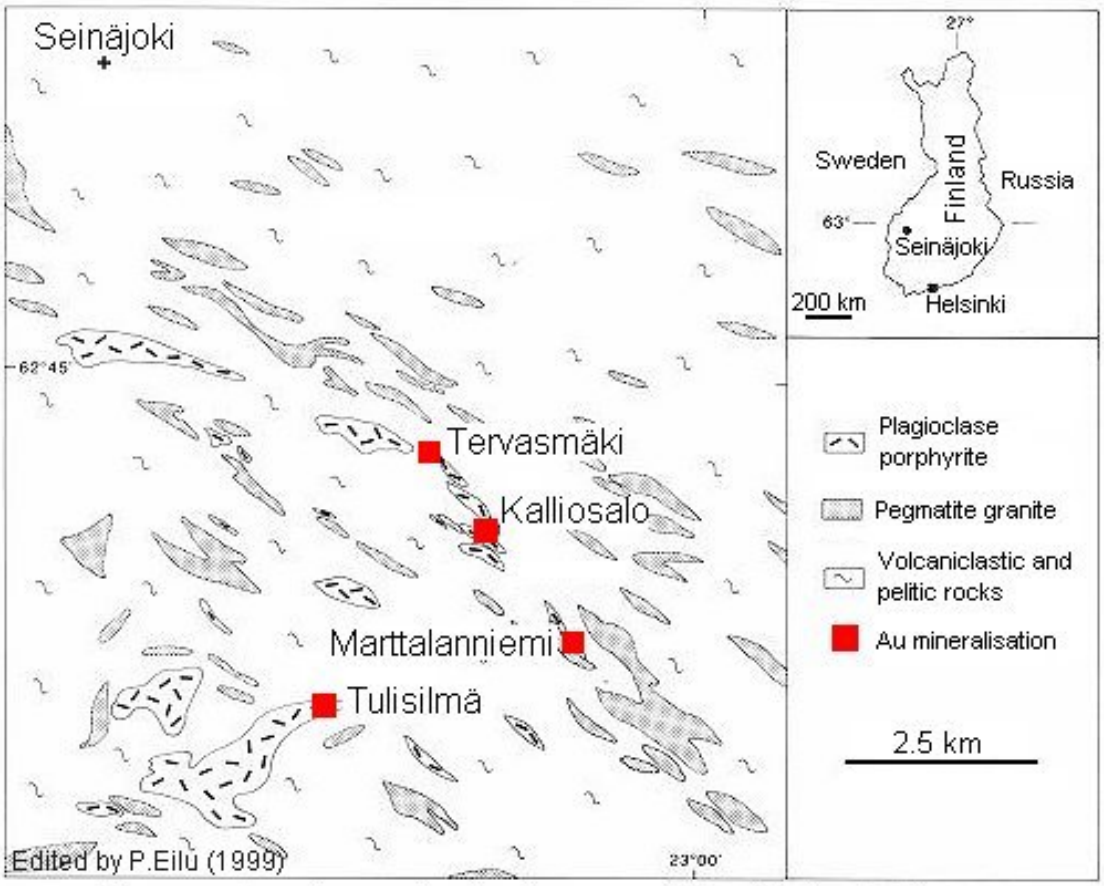
Geology of the Seinäjoki area. From Lestinen (1988). Edited by P.Eilu (1999)

Local geology:



From Oivanen (1982) Edited by P.Eilu (1999)

Regional geology:



Generalised geological map of the Seinäjoki area. From Appelqvist (1993).

REFERENCES

1. Lestinen, P. 1988. Seinäjoen alueen geokemialliset tutkimukset vuosina 1983-1986. Geological Survey of Finland, Report S/41/2222/1/1988. 40 p. (in Finnish)
http://tupa.gtk.fi/raportti/arkisto/s41_2222_1_1988.pdf

2. Lestinen, P., Kontas, E., Niskavaara, H. & Virtasalo, J. 1991. Till geochemistry of gold, arsenic and antimony in the Senäjoki district, western Finland. Journal of Geochemical Exploration 39, 343-361.

3. Mineral Exploration Network 2016. Geological Summary of the Pentinvuori License, Western Finland. 9 p. Online at http://men-finland.com/wp-content/uploads/2013/02/Pentinvuori-License-Report_docx.pdf*http://tupa.gtk.fi/karttasovellus/mdae/references/611_Pajuluoma/611_Pentinvuori-License-Report_2016.pdf*

4. Oivanen, P. 1982. Antimonitutkimukset Seinäjoen-Nurmon alueella vuosina 1975-1982. Geological Survey of Finland, Report M19/2222/-82/1/10. 123 p. (in Finnish)
http://tupa.gtk.fi/raportti/arkisto/m19_2222_82_1_10.pdf