Paiskallio

Occurence type: occurrence

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

Easting EUREF: 276317,335
Northing EUREF: 6830139,452
Easting YKJ: 3276397
Northing YKJ: 6833006

Discovery year: 1997
Discovered by: private prospector
Province: Pirkkala (Au)
Comments: Discovery by an amateur prospector who detected visible gold in outcrop.
References: 1, 2, 3, 4

Mineral deposit type

Group: Metallogenic deposit
Main type: Orogenic (metamorphic hydrothermal)
References: 4

Dimension

Expression: exposed
Form: discordant
Shape: NA
Length (m): 50
Width (m): 1
Thickness (m): NA
Depth (m): 10
Area (ha): NA
Dip azim: 90
Dip: NA
Plunge azim: NA
Plunge dip: NA
Orientation method: NA
Dimension comments: A 0.5-2 m wide, >50 m long, N-S trending zone not known to extend deeper than about 10 m below the surface.

Holder history

Previous holders:

Company	Years	Holding type	Comments
Geological Survey of Finland	NA	NA	NA
EMX Finland Oy	2020	Application for reservation	NA
Mineral Exploration Network (Finland) Limited	2011-2012	Claim reservation (old law)	NA
Mansion Maarakennuspalvelu	2003	NA	NA

EXPLORATION ACTIVITY

Geological Survey of Finland

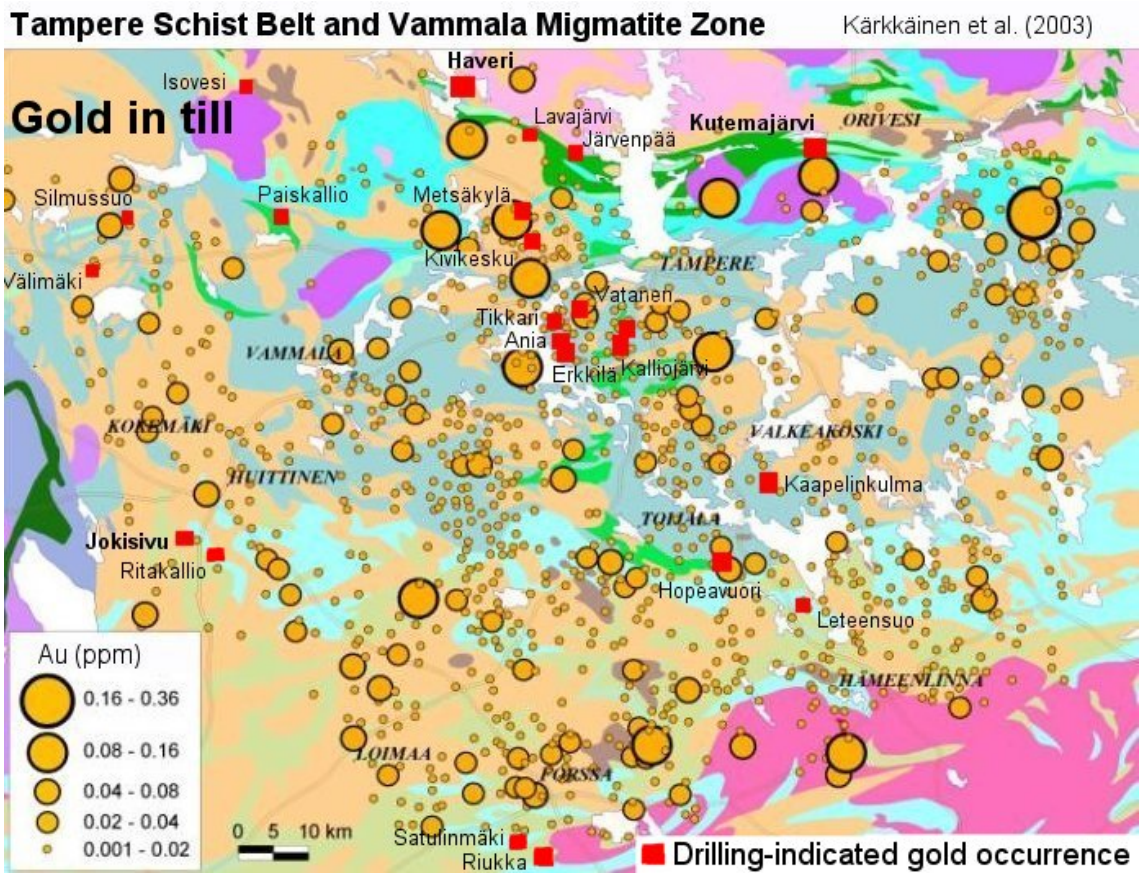
Years	Activity type	Geologist	Exploration result	Ref
1998-1999	core drilling	Petri Rosenberg	NA	1, 4
	12 diamond-drill holes, total 770 m.			
	Intersections			
	HoleID	M52/2121-98/R309		
	From-To	NA		
	Length	1m		
	gold	10,8ppm		
	HoleID	NA		
	From-To	NA		
	Length	2m		
	gold	62,9ppm		
1997-1999	detailed geology	Petri Rosenberg	NA	1, 4
	Visible gold in outcrop.			
1997-1999	detailed heavy mineral sampling	Petri Rosenberg	NA	1, 4
1997-1999	detailed geophysics	Petri Rosenberg	NA	4
	No response on magnetic or IP methods.			
1997-1999	excavation	Petri Rosenberg	NA	1, 4
1990-1990	regional geophysics	NA	key geological features	
	Low-altitude airborne magnetic, electromagnetic and radiometric survey			

Mansion Maarakennuspalvelu

Years	Activity type	Geologist	Exploration result	Ref
NA	detailed geochemistry	NA	NA	4
	A distinct As-Au anomaly in till.			

Figures

Secondary anomaly:



GEOLOGY

Host rock: Intermediate tuff, Uralite porphyrite

Intermediate tuff (Host rock)

Rock type: Host rock
Proportion: minor
Grain size: NA
Color: NA
References: 1, 4
Comments: The occurrence is near the uralite porphyrite-intermediate tuffite contact. Auriferous quartz veins.

Structures
Sheared

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		

Uralite porphyrite (Host rock)

Rock type: Host rock
Proportion: major
Grain size: NA
Color: NA
References: 1, 4
Comments: The occurrence is near the uralite porphyrite-intermediate tuffite contact. Auriferous quartz veins.

Ore minerals:

Mineral	Proportion	Mineral texture
Arsenopyrite	major	
Gold	minor	
	Visible gold in quartz veins.	

Structures
Sheared

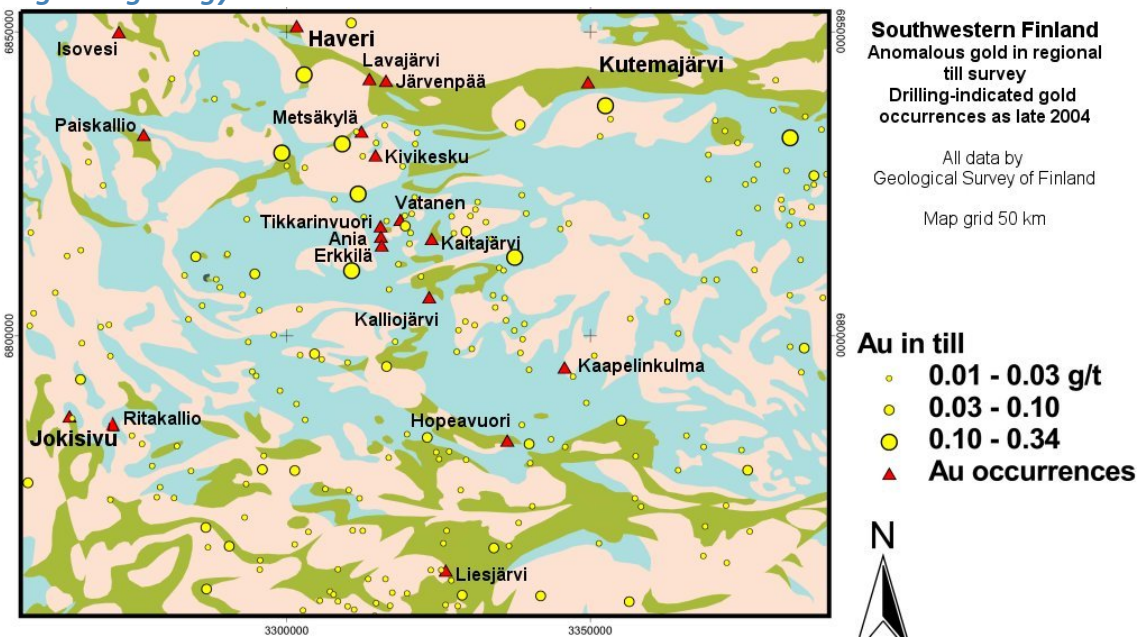
Alteration:	Distribution:	Degree:	Relation to mineralization:
NA			

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		

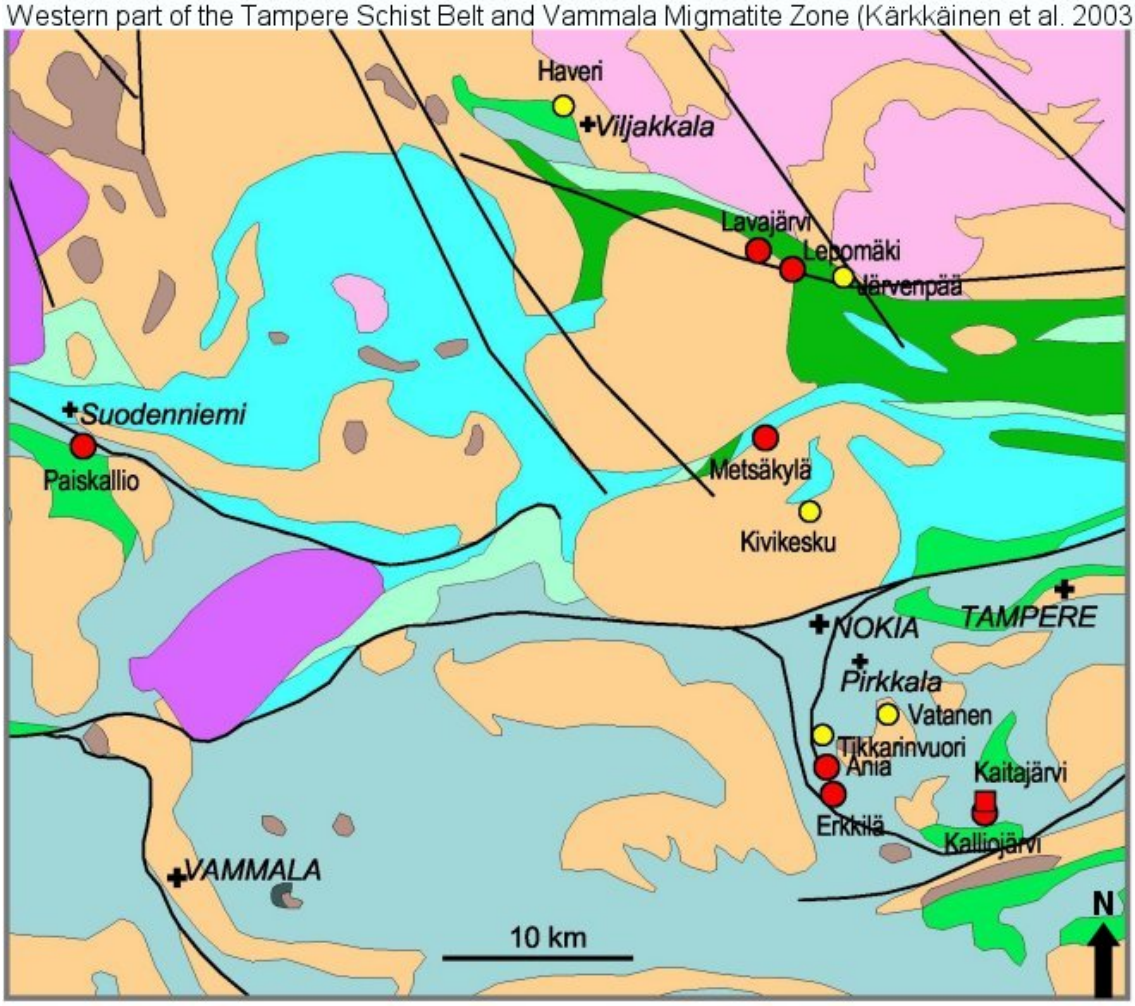
Figures

Regional geology:



Regional geology:

Western part of the Tampere Schist Belt and Vammala Migmatite Zone (Kärkkäinen et al. 2003)



REFERENCES

1. Kärkkäinen, N., Lehto, T., Tiainen, M., Jokinen, T., Nironen, M., Peltonen, P. & Valli, T. 2003. Etelä- ja Länsi-Suomen kaarikompleksi, kullan ja nikkelin etsintä vuosina 1998-2002. Geological Survey of Finland, Report M19/21,12/2003/1/10. 118 p. (in Finnish)
http://tupa.gtk.fi/raportti/arkisto/m19_21_12_2003_1_10.pdf

2. Luukkonen, A. 1994. Main geochemical features, metallogeny and hydrothermal alteration phenomena of certain gold and gold-tin-tungsten prospects in southern Finland. Geological Survey of Finland, Bulletin 377. 153 p.*http://tupa.gtk.fi/julkaisu/bulletin/bt_377.pdf*

3. Rosenberg, P. 1997. The Kaapelinkulma gold deposit, Valkeakoski. In: C. Ehlers (ed.) Gold and base metal deposits in southwestern Finland. Geological Survey of Finland, Guide 44, 23-25.
http://tupa.gtk.fi/julkaisu/opas/op_044_pages_023_026.pdf

4. Rosenberg, P. 2000. Kultatutkimukset Suodenniemen Paiskallion alueella vuosina 1997-1999. Geological Survey of Finland, Report M19/2121/2000/1/10. 8 p. (in Finnish)
http://tupa.gtk.fi/raportti/arkisto/m19_2121_2000_1_10.pdf