Tikkarinvuori

Alternative Names: Tikkari
Occurence type: occurrence

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

Easting EUREF: 315309,62
Northing EUREF: 6815088,78

Easting YKJ: 3315405
Northing YKJ: 6817949

Discovery year: 1992
Discovered by: Geological Survey of Finland
Province: Pirkkala (Au)
Comments: The first indication was an Au- and arsenopyrite-rich glacial erratic boulder found by an amateur prospector.

Mineral deposit type

Group: Metallogenic deposit
Main type: Orogenic (metamorphic hydrothermal)
References: 3

Dimension

Expression: exposed
Form: discordant
Shape: NA
Length (m): NA
Width (m): NA
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

Previous holders:

Company	Years	Holding type	Comments
EMX Finland Oy	2020	Application for reservation	NA
Kreivi Oy	2004	NA	NA
Kreivi Oy	1997-2002	NA	NA
Geological Survey of Finland	1992-1996	Claim (old law)	NA

EXPLORATION ACTIVITY

Geological Survey of Finland

Years	Activity type	Geologist	Exploration result	Ref
2000-2001	detailed geology	Petri Rosenberg	NA	2, 3

2000-2001	excavation	Petri Rosenberg	NA	2, 3

2000-2001	core drilling	Petri Rosenberg	NA	3
	25 diamond-drill holes, total 1500 m.			

2000-2001	detailed geophysics	Petri Rosenberg	NA	3
	No direct response by magnetic or IP methods.			

2000-2001	detailed geochemistry	Petri Rosenberg	NA	3
	Local, distinct, Au and As anomalies in till.			

2000-2001	regional geochemistry	Petri Rosenberg	NA	2, 3

Kreivi Oy

Years	Activity type	Geologist	Exploration result	Ref
1998-1998	ore deposit evaluation	Erkki Kreivi	NA	1
	Very small scale test mining.			

Geological Survey of Finland

Years	Activity type	Geologist	Exploration result	Ref
1992-1995	excavation	Petri Rosenberg	NA	2, 3

1992-1995	detailed geology	Petri Rosenberg	NA	2, 3

1992-1995	mining pilot	Petri Rosenberg	NA	2, 3

1992-1995	detailed geochemistry	Petri Rosenberg	NA	3
	Local, distinct, Au and As anomalies in till.			

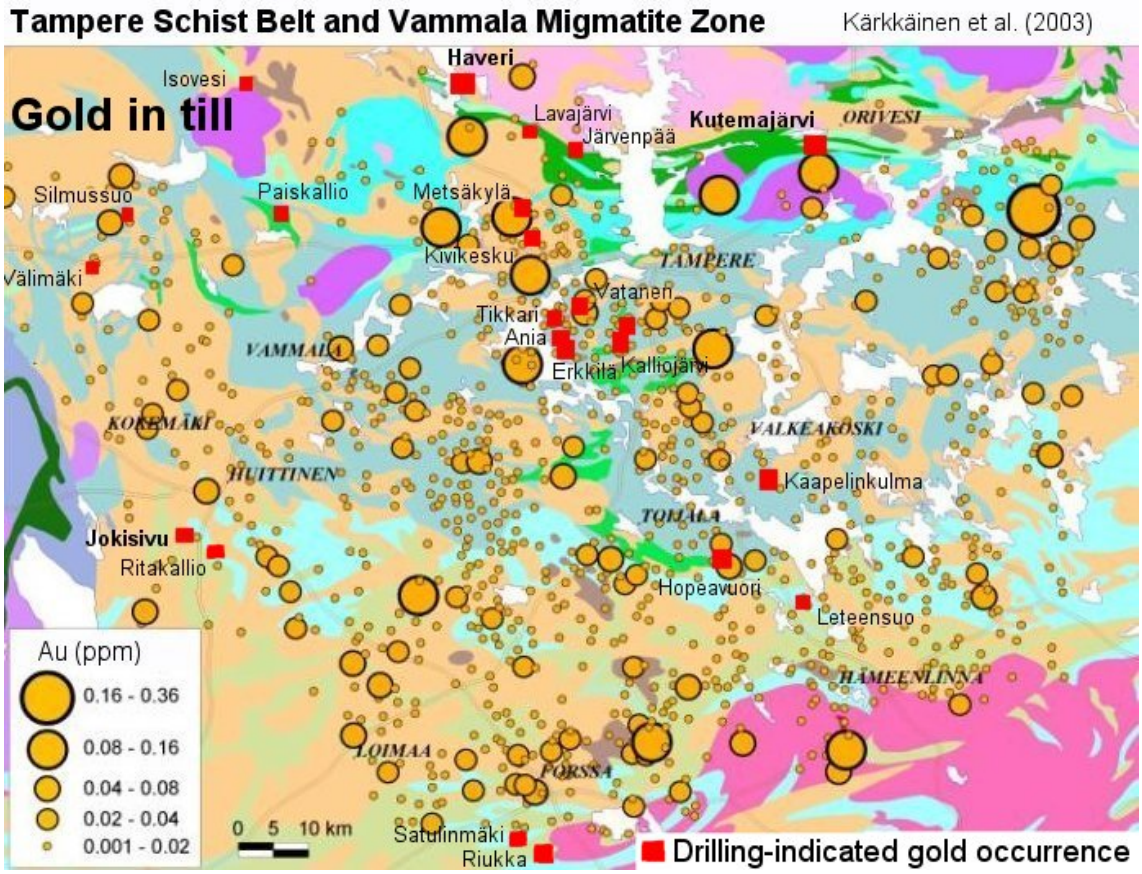
1992-1995	core drilling	Petri Rosenberg	NA	3
	25 diamond-drill holes, total 1500 m.			

1992-1995	regional geochemistry	Petri Rosenberg	NA	2, 3

1985-1985	regional geophysics	NA	key geological features	
	Low-altitude airborne magnetic, electromagnetic and radiometric survey			

Figures

Secondary anomaly:



GEOLOGY

Host rock: Quartz vein, Greywacke

Quartz vein (Host rock)

Rock type: Host rock
Proportion: minor
Grain size: NA
Color: NA
References: 1, 2
Comments: En echelon, auriferous quartz vein network

Greywacke (Host rock)

Rock type: Host rock
Proportion: major
Grain size: NA
Color: NA
References: 1, 3

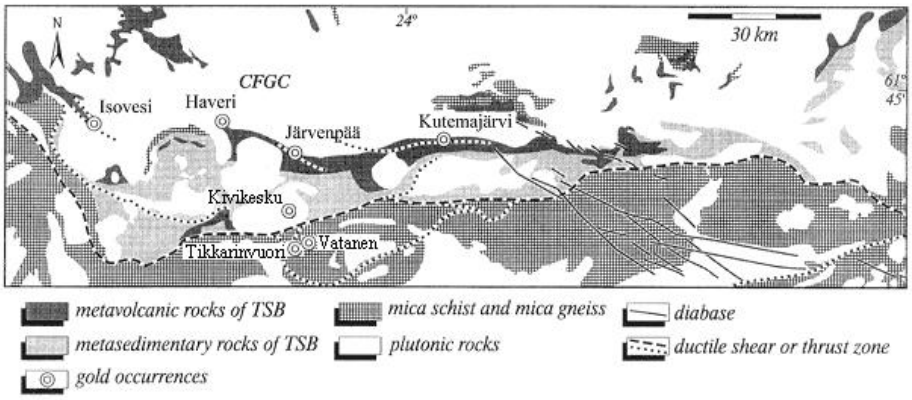
Metamorphic description:
Ore minerals:

Mineral	Proportion	Mineral texture
Arsenopyrite	major	
Gold	minor	
	Native, free gold, visible to the naked eye.	

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

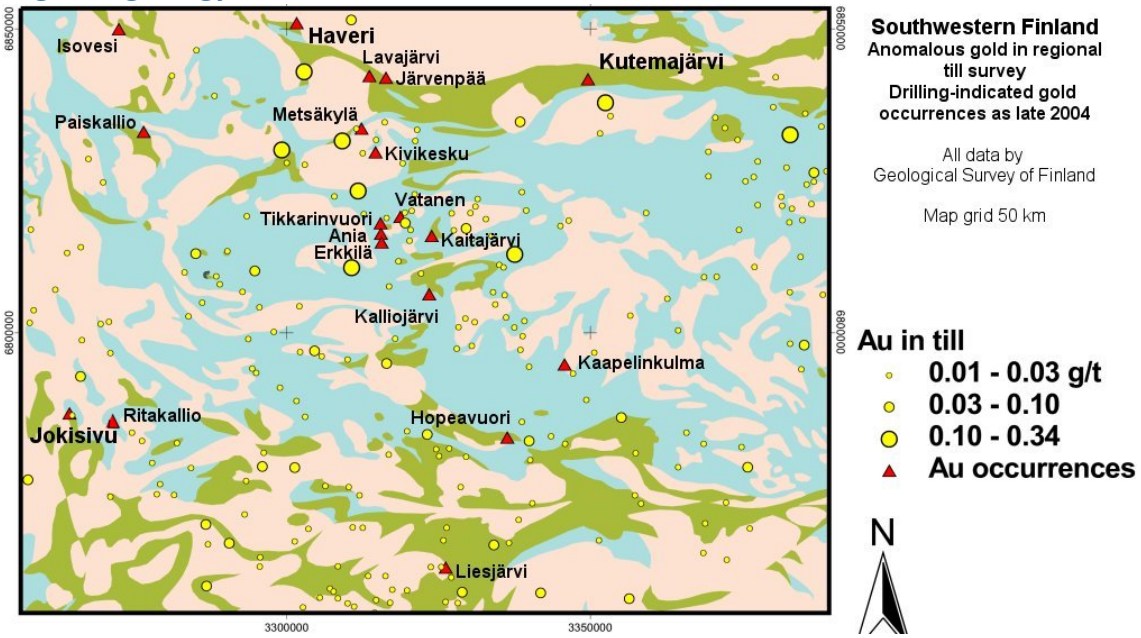
Figures

Regional geology:

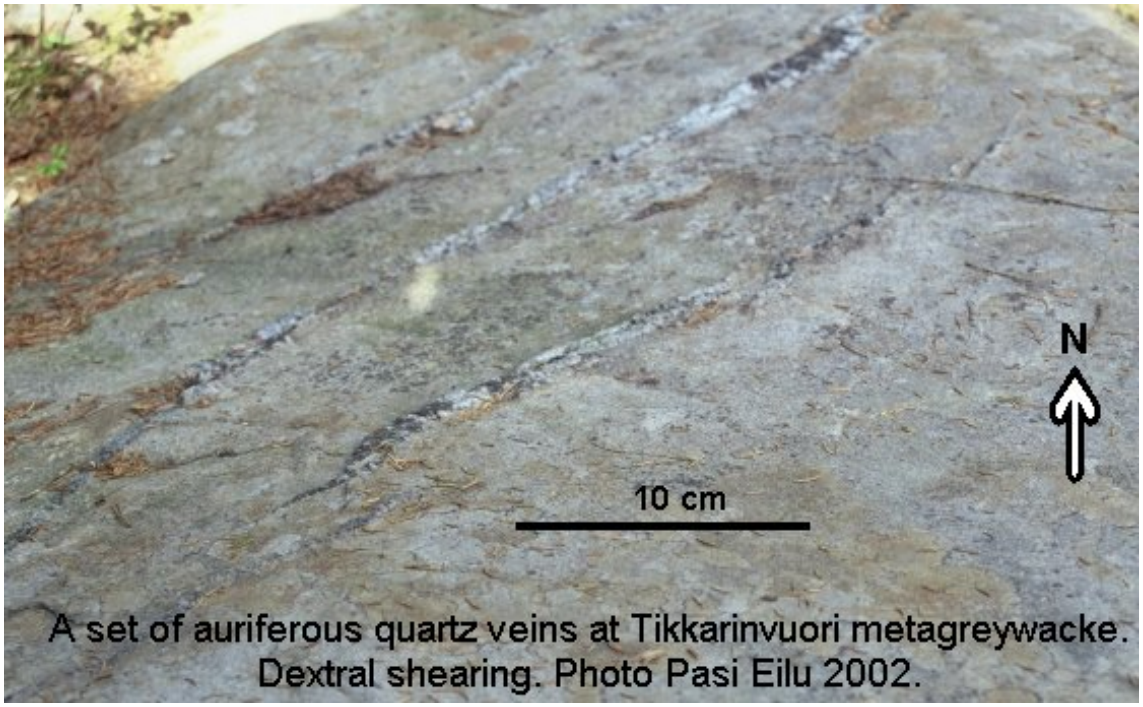


Simplified geological map of the Tampere schist belt (TBS; modified after Koistinen, 1994).
CFGC = Central Finland Granitoid Complex.
From Poutiainen and Grönholm (1996).
Edited by P.Eilu (1999)

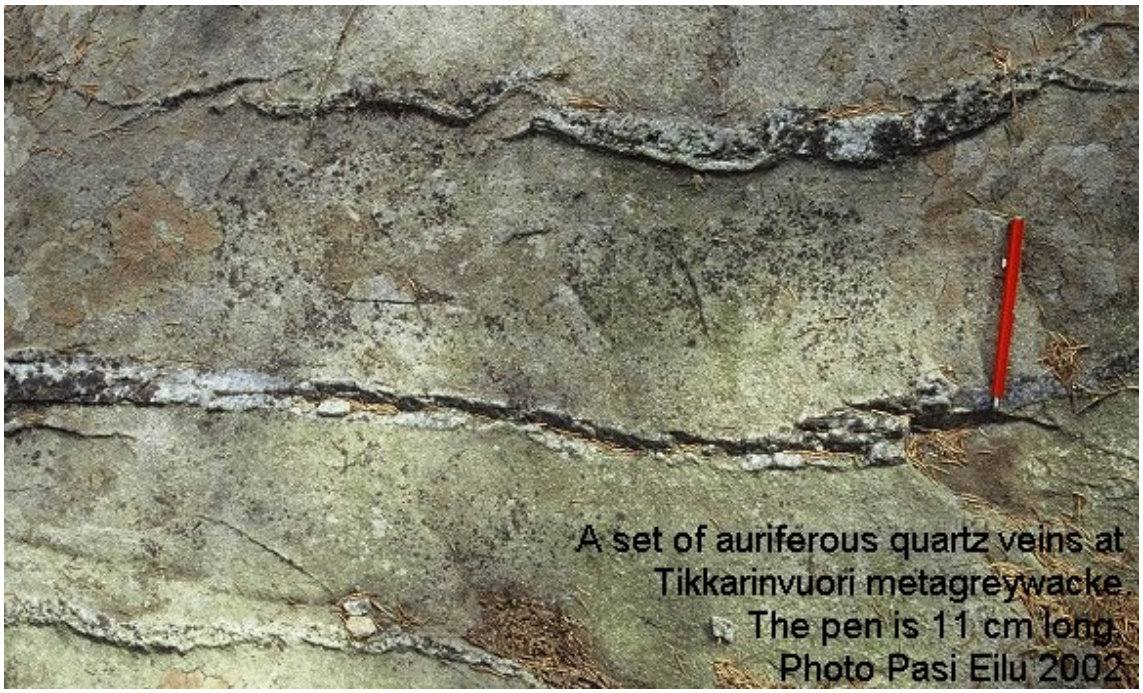
Regional geology:



Structure:



Vein:



Vein:

A set of auriferous quartz veins in Tikkarinvuori metagreywacke.
The pen is 11 cm long. Photo Pasi Eilu 2002.

Vein:

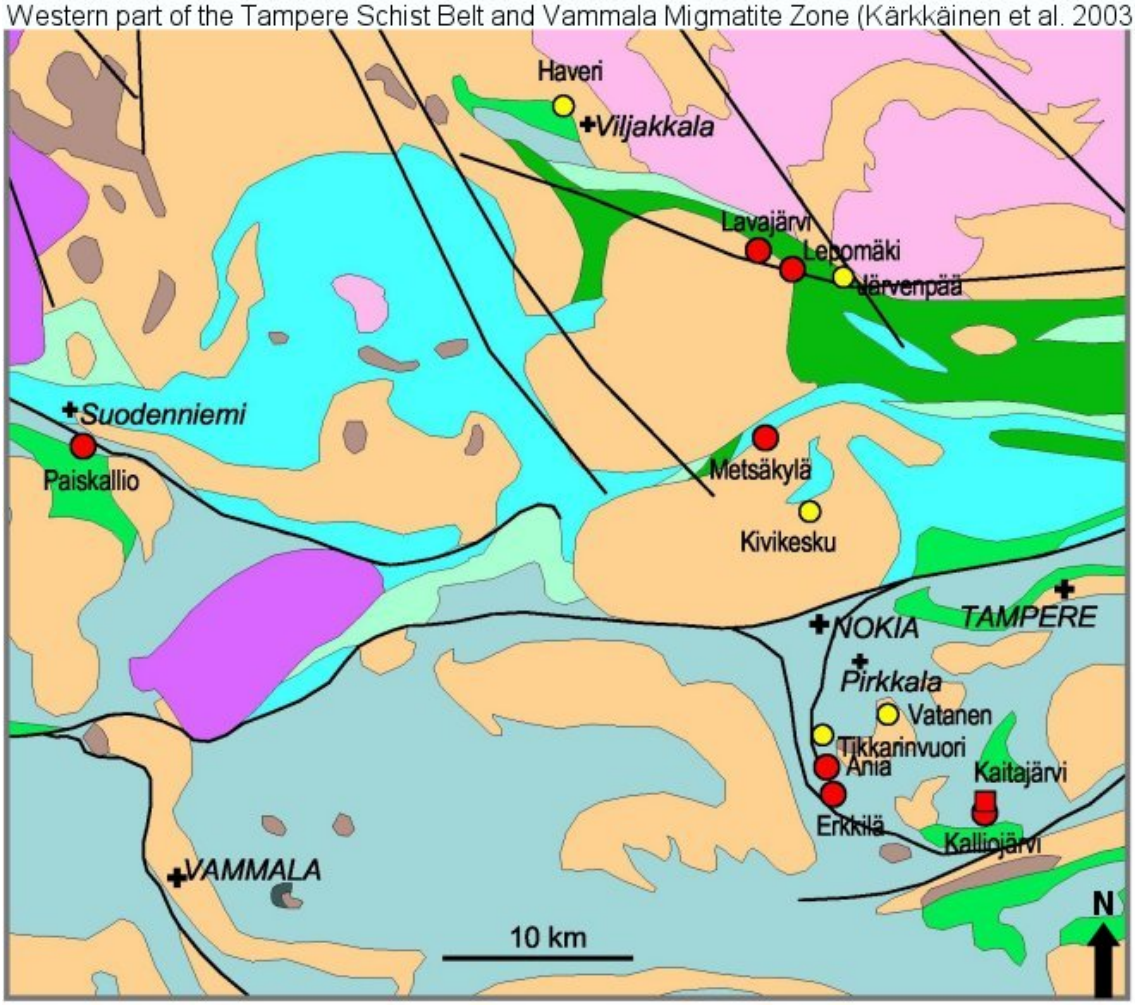
A set of auriferous quartz veins in Tikkarinvuori metagreywacke.
The pen is 11 cm long. Photo Pasi Eilu 2002.

Ore outcrop:

Visible gold in quartz vein. Tikkarinvuori. Photo Pasi Eilu 2002.

Regional geology:

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



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2. Nironen, M. 2002. Kulta-aiheiden rakenteelliseen kontrolliin liittyvät tutkimukset Pirkkalassa ja Lempäälässä 2000-2001. Geological Survey of Finland, Report M 19/2123/2002/1. 8 p. (in Finnish)
http://tupa.gtk.fi/raportti/arkisto/m19_2123_02_1.pdf

3. Rosenberg, P. 1998. Pirkkalassa vuosina 1992-1995 suoritetut kultatutkimukset. Geological Survey of Finland, Report M19/2123/-98/1/10. 18 p. (in Finnish)
http://tupa.gtk.fi/raportti/arkisto/m19_2123_98_1_10.pdf