

# Kiekerömaa

**Occurrence type:** occurrence

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

**Easting EUREF:** 442642,678  
**Northing EUREF:** 7491670,09

**Easting YKJ:** 3442792  
**Northing YKJ:** 7494801

**Discovery year:** 1996

**Discovered by:** Outokumpu Oy

**Province:** Kittilä (Au, Cu)

**District:** Sirkka (Cu, Au, Ni, Co)

**Comments:** Discovery by drilling into a till geochemical anomaly

**References:** 1, 3, 5, 6

## Mineral deposit type

**Group:** Metallogenic deposit

**Main type:** Orogenic (metamorphic hydrothermal)

## Dimension

**Expression:** NA

**Form:** NA

**Shape:** NA

**Length (m):** NA

**Width (m):** NA

**Thickness (m):** NA

**Depth (m):** NA

**Area (ha):** NA

**Dip azimuth:** NA

**Dip:** NA

**Plunge azimuth:** NA

**Plunge dip:** NA

**Orientation method:** NA

## Holder history

**Current holder:** B2Fingold Oy

**Years:** 2021-2024

**Holding type:** Exploration permit

**Previous holders:**

Company	Years	Holding type	Comments
Tertiary Gold Ltd	2012-2016	Exploration permit	NA
Tertiary Gold Ltd	2004-2012	Claim (old law)	NA
Outokumpu Oy	1995-1996	Claim (old law)	NA

## EXPLORATION ACTIVITY

### Tertiary Gold Ltd

Years	Activity type	Geologist	Exploration result	Ref
2011-2011	core drilling	NA	NA	5, 6
<i>8 diamond drill holes, total 619 m</i>				
<b>Intersections</b>				
	HoleID	11KAD003		
	From-To	32,2-35,1		
	Length	2,9m		
	gold	3,93ppm		
	HoleID	11KAD006		
	From-To	91,8-96,3		
	Length	4,6m		
	gold	3,62ppm		

### Outokumpu Oy

Years	Activity type	Geologist	Exploration result	Ref
1996-1996	core drilling	R. Hugg, E. Ilvonen	mineral resource indicated	1, 3
<i>RC-drilling; 6 drill holes, total 254 m</i>				
<b>Intersections</b>				
	HoleID	KKR2		
	From-To	17		
	Length	5m		
	gold	5,8ppm		
	HoleID	KKR3		
	From-To	33		
	Length	2m		
	gold	7,4ppm		
	HoleID	KKR4		
	From-To	50		
	Length	1m		
	gold	1,5ppm		
1994-1994	detailed geophysics	R. Hugg, E. Ilvonen	NA	1
1994-1994	detailed geochemistry	R. Hugg, E. Ilvonen	geochemical anomaly	1, 3
<i>Till and heavy mineral survey; Local Au anomaly in till .</i>				

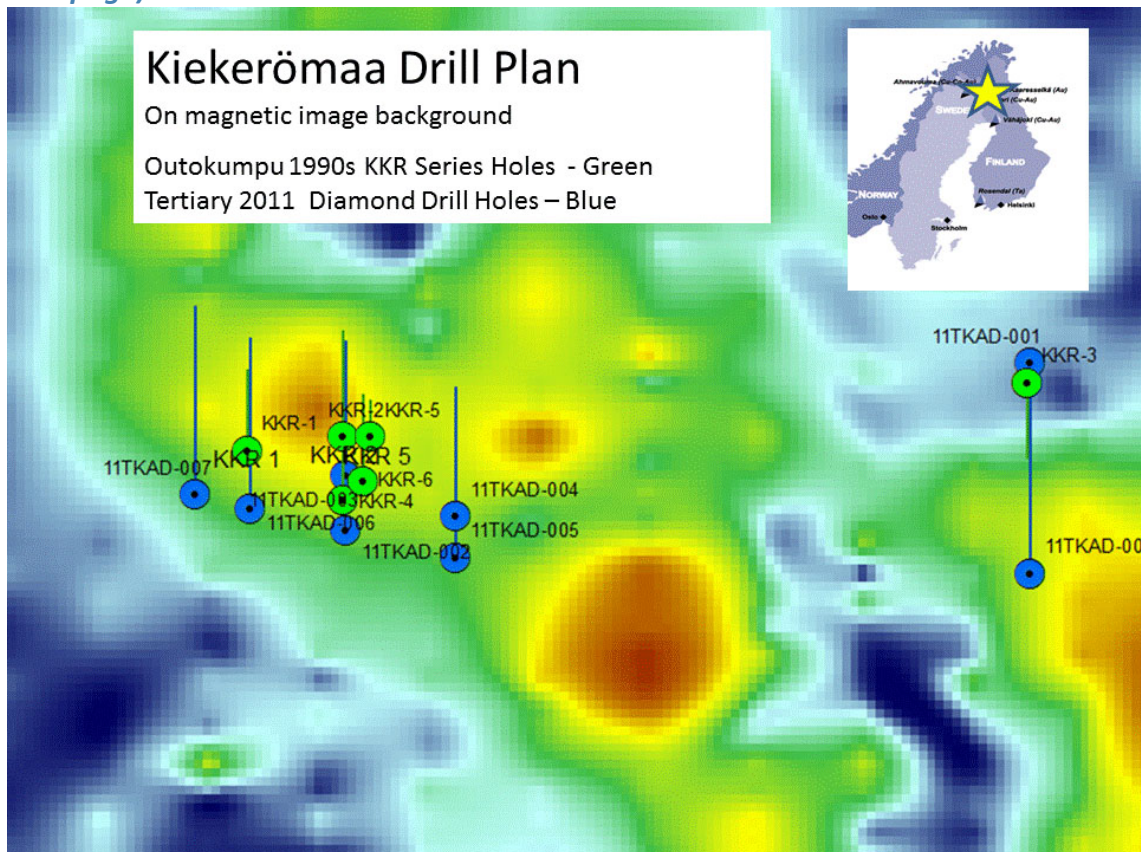
### Geological Survey of Finland

Years	Activity type	Geologist	Exploration result	Ref
1976-1976	regional geophysics	NA	key geological features	
<i>Low-altitude airborne magnetic, electromagnetic and radiometric survey</i>				

1973-1980	regional geochemistry	NA	NA	
Regional till geochemical survey				

## Figures

Location of the drill holes of Outokumpu Oy and Tertiary Minerals (Tertiary Minerals plc, web page):



## GEOLOGY

**Host rock:** Quartzite

**Wall rock:** Dolerite

### Quartzite (Host rock)

**Rock type:** Host rock

**Proportion:** major

**Grain size:** NA

**Color:** NA

**References:** 2, 3, 4

**Comments:** Mineralisation at the Kiekerömaa is located close to the contact zone between diabase and sedimentary rocks and close to the WNW-trending Sirkka Shear Zone.

#### Ore minerals:

Mineral	Proportion	Mineral texture
Pyrite	major	

#### Other minerals:

Mineral	Proportion	Mineral texture
Albite		
Dolomite		
	<i>carbonate type not specified</i>	
Fuchsite	minor	
Quartz		
Tourmaline	minor	

#### Structures

Veined
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Alteration:	Distribution:	Degree:	Relation to mineralization:
carbonate alteration	NA	NA	NA
albitic alteration	NA	NA	NA
tourmalinisation			
sulphidation			
<i>Comments: pyrite</i>			
silicification			
<i>Comments: veining</i>			

#### Metamorphic description:

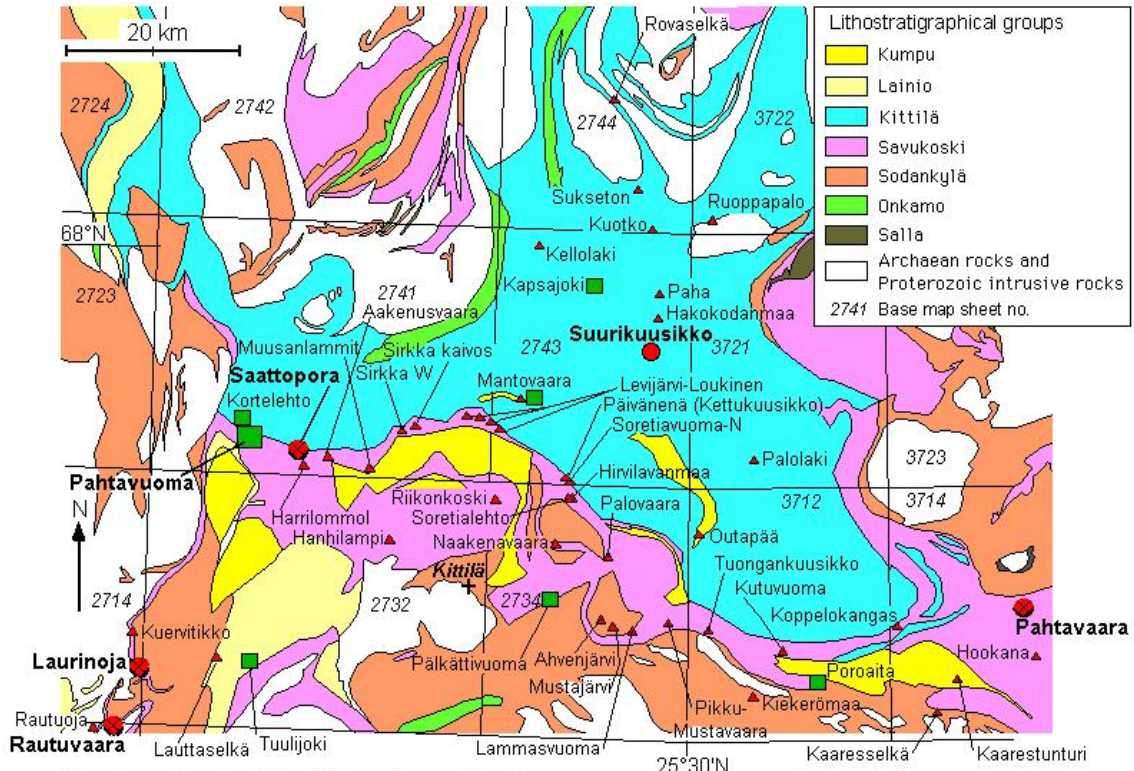
Type:	Facies:	Degree:	Relation to mineralization:	Min P- Max P (kbar)	Min T- Max T (°C)
Regional	greenschist metamorphic facies	low metamorphic grade	NA		
<i>Comments: Metamorphic peak during D2, thrusting during D3 was at least partly post-peak, late metamorphic.</i>					

### Dolerite (Wall rock)

**Rock type:** Wall rock  
**Proportion:** minor

## Figures

### Regional geology:



Zinc (green) and gold (red) deposits and significant prospects in the central parts of the Central Lapland greenstone belt. Lithostratigraphy from Lehtonen et al. (1998).

Edited by P. Eilu (2007)

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