Mineral Exploration Network Ltd.

# Geological Summary of the Pentinvuori License, Western Finland.

An internal report outlining the exploration history and current exploration work undertaken on the Pentinvuori license in western Finland.

# Pentinvuori Licence

The Pentinvuori is a newly acquired prospecting license by Mineral Exploration Network (Suomi) Oy, which was granted in spring 2016. The license is located 15km south-west of Seinajoki in the west of Finland. The license itself is approximately 335 $km^2$, extending from north-west to south-east, comprising of numerous identified gold, antimony, tin, copper and nickel occurrences, which make it highly prospective for further exploration and development.

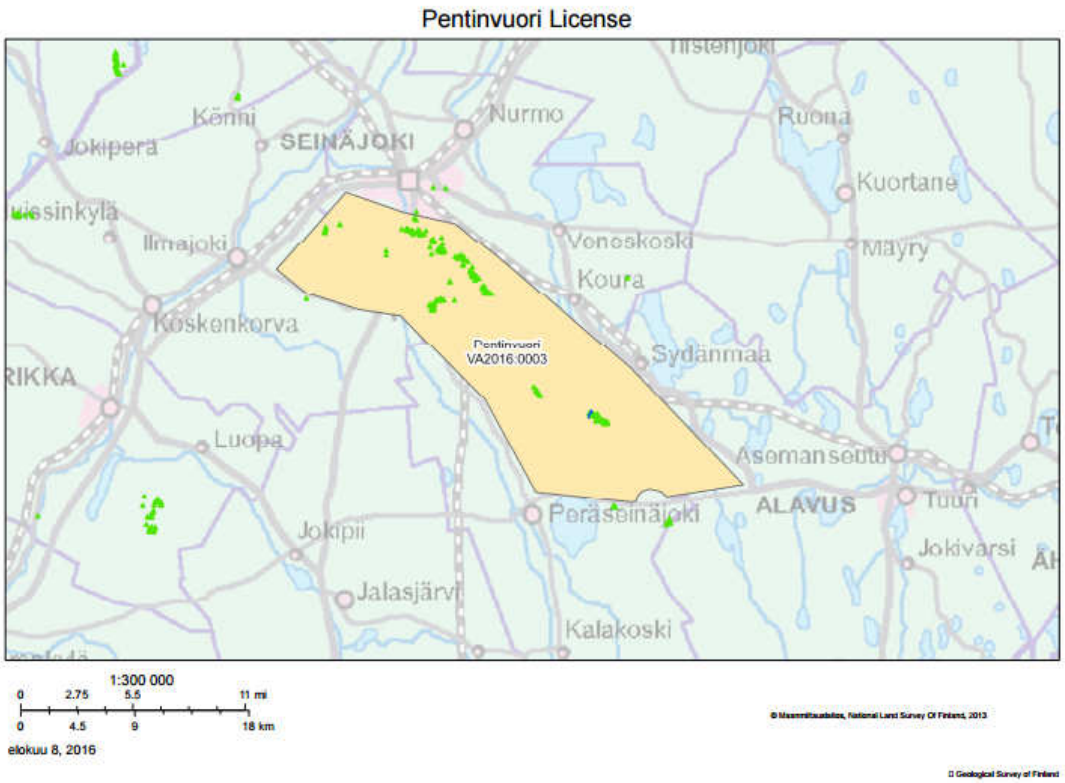



**Figure 1: Location of the Pentinvuori License**

## Geological Setting

The license, and its known mineral occurrences lie within the zone of influence of a tonalitic granite which is part of the Central Finland Granitic Complex, the identified mineral occurrences lie adjacent to the plutonic intrusion itself. The dominant unit encompassing the license is predominantly a mica-rich gneissic unit of Palaeoproterozoic age. Within this unit occur outliers or lenses of metamorphic bodies of a sedimentary protolith texture, all of which strike in a north-westerly to south-easterly orientation, suggesting extensive regional

shearing, deformation and metamorphism. The identified mineral occurrences tend to occur along north-south striking structures.

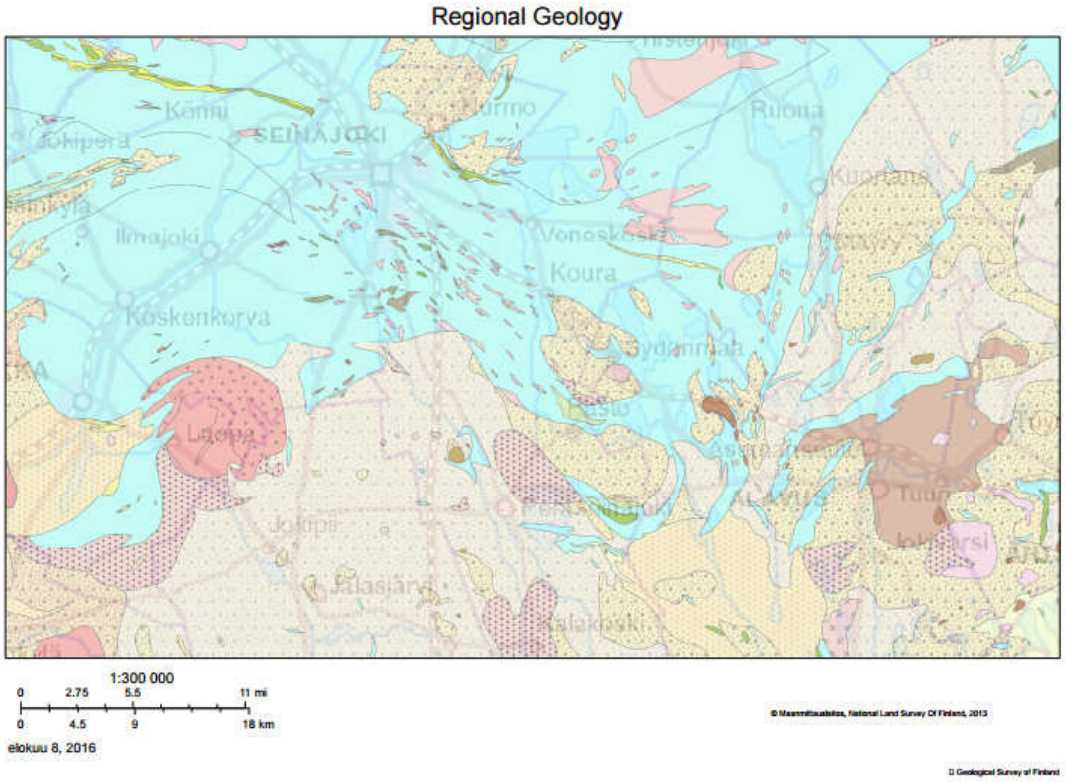
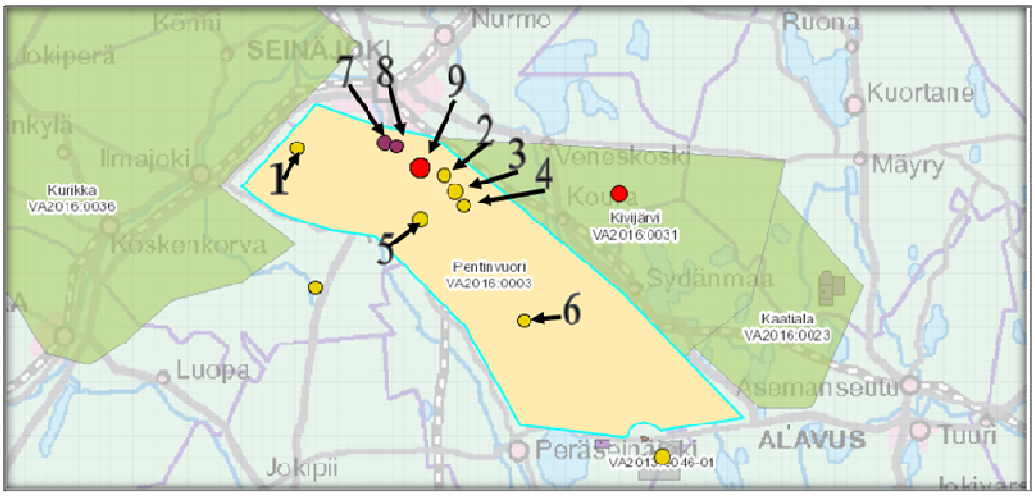



**Figure 2: Regional Geology of the Pentinvuori License.**

## Mineral Occurrences

There are 6 known gold occurrences that have been discovered by the GTK during their survey of the area but further exploration has been minimal with a few grab samples showing gold grades between 1.99 g/t and 10g/t with more common grades ranging between 4 and 6 g/t.

As well as gold occurrences there are a number of other anomalies including 2 Sb anomalies in the north of the licence as well as a large tin one to the south of this with a measured resource of 328.6t of tin.



| Anomaly | Name location (eastings/Northings) | Main commodity | Associated commodities | Other major ore minerals | Host rock | Dimension (m) (lengthxWidthxDepth) | Size (Resource) | Drilling Metal = intersection =grade |
|---|---|---|---|---|---|---|---|---|
| 1 | Koppelomäk 281439/ 6965287i | Au | Sb | Pyrrhotite<br>Pyrite<br>Arsenopyrite | Schist, Plagioclase porphyrite | N/A | N/A | Au = 3m = 0.50ppm<br>Sb = 3m = 4,530.00ppm |
| 2 | Tervasmäki 292177/ 6963335 | Au | Sb | Antimony<br>Arsenopyrite<br>Lollingite<br>Pyrrhotite<br>Chalcopyrite<br>Gudmundite | Plagioclase porphyrite, Mica schist | 150x13xN/A | N/A | Au = 5m = 1.5ppm<br>Sb = 5m = 5500ppm |
| 3 | Kalliosalo 292973/ 6962094 | Au,Sb | Ag | Arsenopyrite<br>Stibnite<br>Löllingite<br>Aurostibite<br>Pyrrhotite<br>Pyrite<br>Chalcopyrite<br>Gudmundite<br>Berthierite<br>Sphalerite<br>Gold<br>Kermesite<br>Valentinite<br>Tetrahedrite<br>Breithauptite<br>Ullmannite<br>Boulangerite<br>Criddleite | Plagioclase porphyrite, Felsic tuff, Quartz vein | 250x20xN/A | Au: 0.3 t;<br>Sb: 2550 t;<br>Ag: 0.21 t | Au = 1m = 25.00ppm<br>Au = 3m = 10.00ppm<br>Au = 5m = 1.30ppm<br>Sb = 5m = 5400ppm |
| 4 | Marttalanniemi 293639/ 6961078 | Au | N/A | Pyrite<br>Pyrrhotite<br>Arsenopyrite<br>Galena<br>Sphalerite | Plagioclase porphyrite, Quartz-Sericite Schist, Mica gneiss, | 800z75xN/A | N/A | Au = 1 = 14.80ppm |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Gold | Greywacke, Quartz vein | | | |
| 5 | Sikakangas 290489/ 6960095 | Au | N/A | Arsenopyrite<br>Pyrrhotite<br>Pyrite<br>Gold | Plagioclase porphyrite, Quartz vein | 700x200xN/A | 171000 t @ Au 1.32 ppm<br>Au: 0.22t | Au = 5 = 2.00ppm<br>Au = 1 = 11.80ppm |
| 6 | Ylijoki 298055/ 6952619 | Au | N/A | Arsenopyrite<br>Pyrrhotite<br>Gold | Mica gneiss, Quartz vein | N/A | N/A | Au = 7 = 1.00ppm<br>Au = 1 = 6.70ppm |
| 7 | Törnävä 287846/6965690 | Sb, Au | Ag, W | Pyrrhotite<br>Antimony<br>Gudmundite<br>Stibnite<br>Berthierine<br>Arsenopyrite<br>Pyrite<br>Chalcopyrite<br>Sphalerite<br>Hematite<br>Scheelite | Felsic volcanic rock, Mica gneiss | N/A | 500 t @ Sb 0.85 %<br>Sb: 4.25 t | N/A |
| 8 | Syrjämö 288695/6965440 | Sb, Au | Ag | Antimony<br>Berthierine<br>Gudmundite<br>Arsenopyrite<br>Stibnite | Felsic volcanic rock, Mica gneiss | N/A | N/A | N/A |
| 9 | Pajuluoma 290434/ 6963865 | Sn | N/A | Beryl<br>Columbite<br>Cassiterite | Granitic rock | N/A | 106000 t @ Sn 0.31 %<br>Sn: 328.6 t | N/A |

Further outcrop sampling undertaken by a local prospector has provided Mineral Exploration Network with further targets for future work. The samples collected are a mixture of boulders and outcrop, yielding high grades of gold, antimony, tellurium, copper and arsenic. The details of which can be seen in the following table.

| Sample No | Au (g/t) | Ag (g/t) | As (g/t) | Sb (g/t) | Te (g/t) |
|---|---|---|---|---|---|
| 20071533 | 10.0 | 0.0 | 17300.0 | 1.780 | 2.3 |
| 20101247 | 4.98 | 1.3 | 1470.0 | 0.0 | 0.22 |
| 20101246 | 5.64 | 2.6 | 13100.0 | 0.0 | 0.44 |
| 20121379 | 4.04 | 0.0 | 34500.00 | 0.0 | 0.0 |
| 20102613 | 6.05 | 0.0 | 22800.0 | 0.0 | 0.49 |

## Previous Exploration

GTK have previously carried out extensive exploration within the licence and surrounding area, comprising of basal till sampling on a regional and detailed scale, along with extensive diamond hole drilling. Mineral Exploration Network is currently in the process of requesting the data from the previous exploration activities. The extent of the previous exploration can be seen in the accompanying diagrams.

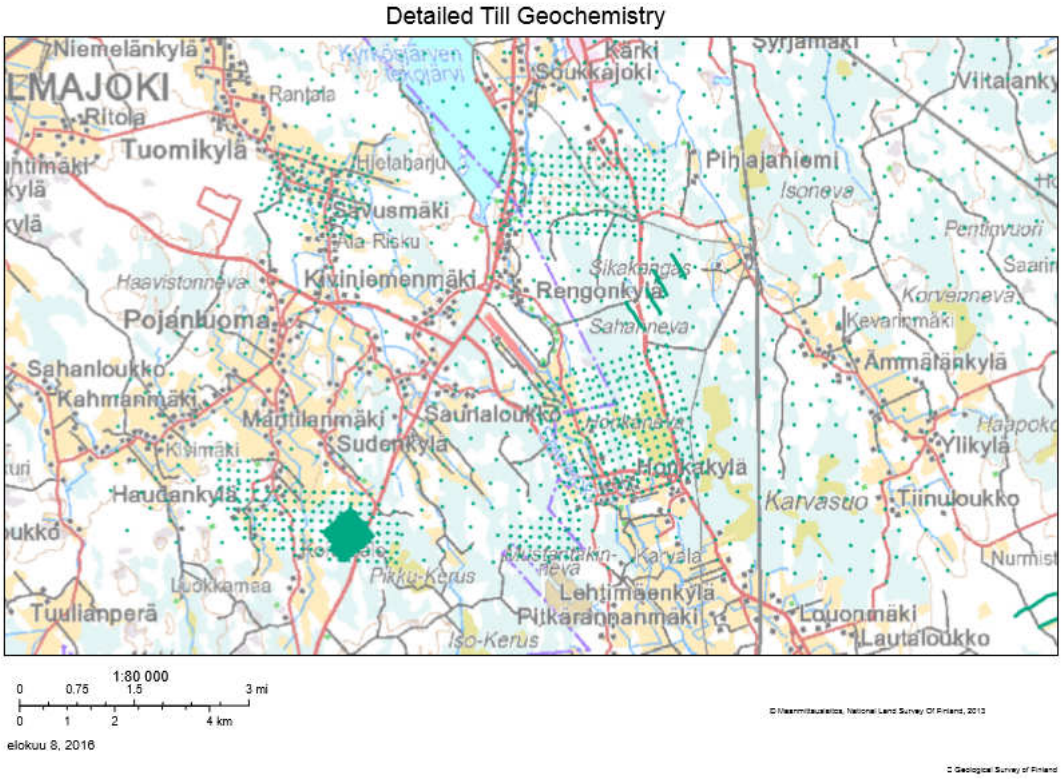



**Figure 3: Regional Map Outlining the Extent of Detailed Till Geochemical Surveys.**

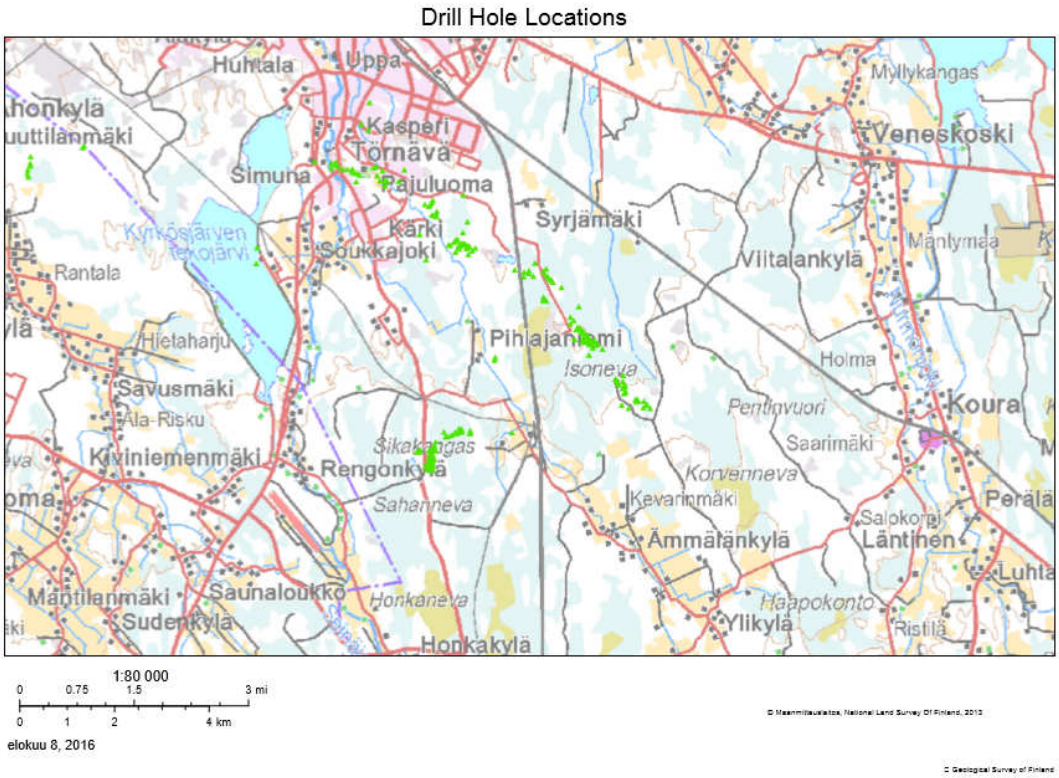



**Figure 4: Regional Map Outlining the Locations of the Drill Holes within the Pentinvuori License**

## Further Exploration

Through interpretation of aerial geophysical surveys correlated with known mineral occurrences, Mineral Exploration Network proposes to undertake detailed soil sampling and detailed basal till sampling along structures which are deemed to intersect the regional metamorphic belt; which also correlate with outcrop samples yielding high grades of Au, Ag and Sb.

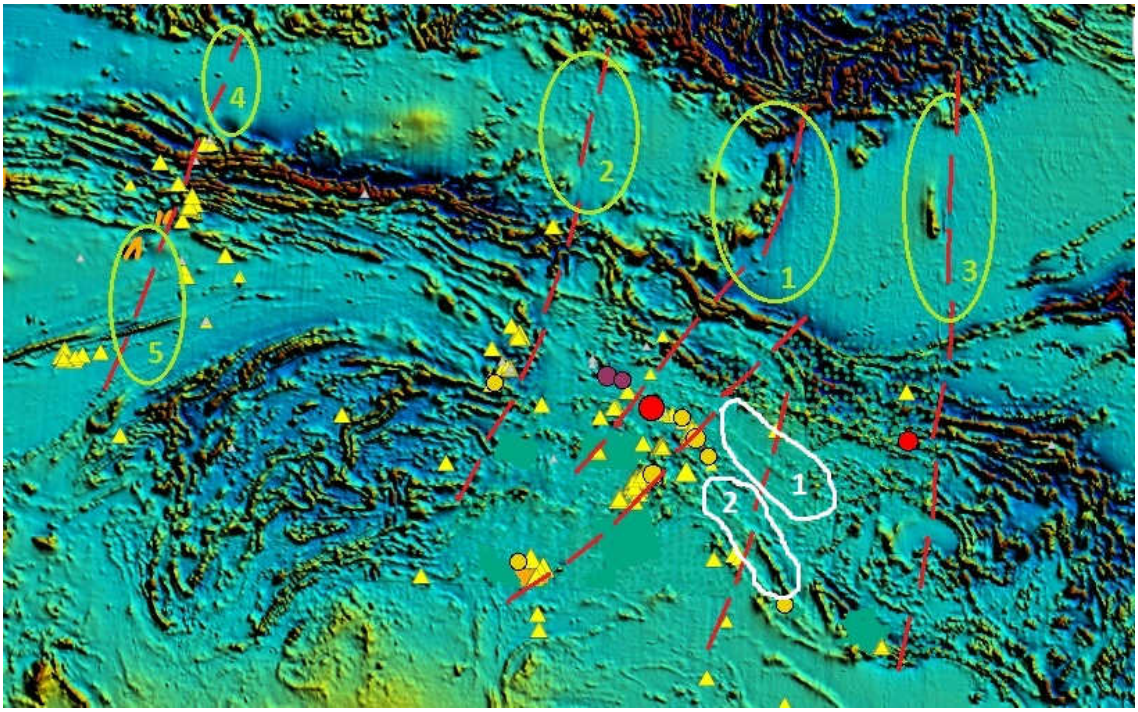



**Figure 5: Regional Geophysical Map Outlining areas for Further Exploration.**

Suggested soil sediment sampling are in green ovals and regular grid (100 x 10 m ) soil sampling in white.