

**Brennfjellmyra copper – gold mineralisation,
Storfjord, Troms**

Scandinavian Resources AB
Rune Wilberg
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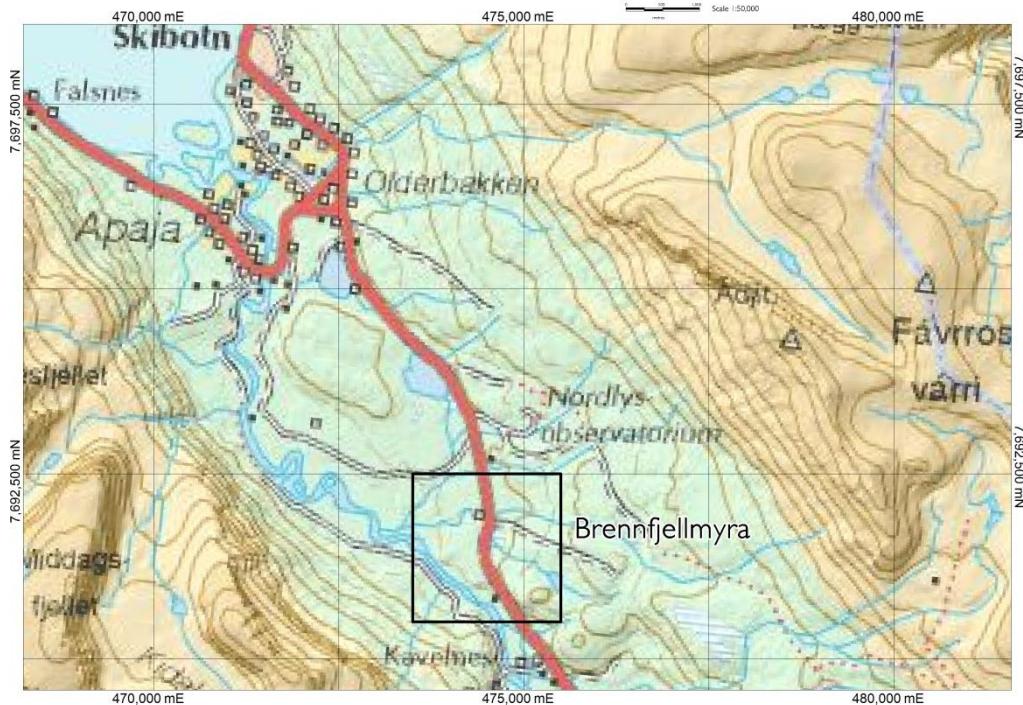


Fig. 1. Brennfjellmyra permit.

Brennfjellmyra

The Brennfjellmyra prospect is underlain by the Caledonian Reisa Nappe Complex and has been objected to a short field visit. Minor excavations close by the main road were conducted in 1916. The reason for claiming this object was enhanced gold content, 1.68-3.32 g/t, in 3 assays of copper mineralisation from the Ore database, NGU.

The Nappe rocks in the area are dominated by greywacke, intruded by two gabbro bodies at Brennfjellmyra. Disseminated pyrrhotite and chalcopyrite are hosted in garnet-amphibolite along the gabbro rim. Bedrock is not well exposed – a few outcrops occur along the road cut and scattered within the till cover west of the road. East of the road is protected area.

The NGU database plot at UTM 474447 7691339 is a 4x4 m² water-filled pit, exposing 2 m thickness of foliated, calcareous garnet-amphibolite with variable content of mica, chlorite, quartz and feldspar, striking 260°/30°. Chalcopyrite and pyrrhotite occur in bands and dissemination within c. 0.5 m thickness. Two grab samples assayed 0.58 g/t Au, 1.44 % Cu and 1.5 g/t Au, 2.71 % Cu. 3 NGU database assays from this pit show 1.68-3.32 g/t Au, 194 ppm-2.82 % Cu. Worth noting is that gold is not well correlated with copper – a sample with low-grade copper (194 ppm) contains 1.68 g/t Au.

The mineralised zone is exposed in the road cut 50 m to the east. It is 1 m thick and folded, plunging 300°/10°. Along the upper contact repeated, few-cm thick quartz bands are also weakly copper mineralised.

Another working, not contained in the NGU database, was found 90 m to the south at UTM 474463 7691256, i.e. in an apparently lower structural level. It is a refilled shaft, c. 25 m³

dump. A small outcrop shows at least 2 m thick mineralisation. Dump material shows varieties of gneissic garnet-amphibolite with carbonate- and quartz bands and lenses, and garnet-mica rock, both with chalcopyrite \pm pyrrhotite dissemination. Isoclinal folds can be observed. Assays (BR12003-6) show 0.53-5.5 % Cu, 0.13-1.38 g/t Au and 4.4-48.2 g/t Ag. At UTM 474440 7691266 is a 2-3 m wide strike-parallel trench in an apparently higher structural level. Almost no mineralisation is exposed. Strike/dip: 265°/60°.

The assays showed lower gold content than previous Ore database assays. However, further work is recommended. A detailed mag survey between the road and the river should be carried out and an IP survey should be considered.

SAMPLE	UTMeast	UTMnorth	UTMzone	Au-AA25	ME-ICP61	Cu-OG62	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
				Au	Ag	Cu	Zn	Pb	Fe	S
				ppm	ppm	%	ppm	ppm	%	%
BR12001	474447	7691339	34	1,5	19,4	2,71	724	9	15,6	3,35
BR12002	474447	7691339	34	0,58	8,4	1,445	578	4	14,3	2,06
BR12003	474463	7691256	34	0,13	4,4	0,533	146	5	13,15	0,77
BR12004	474463	7691256	34	1,38	20,2	1,9	320	4	16,25	2,14
BR12005	474463	7691256	34	0,81	26,1	3,91	693	3	21,5	6,76
BR12006	474440	7691266	34	0,81	48,2	5,5	533	5	17,85	4,97

Tab. 1. Assay results rock samples Brennfjellmyra.