

RIMFIRE

MINERALS CORPORATION

CDNX: RFM

Thorn Property^{NW B.C.}

High Sulphidation Copper-Gold-Silver Target

Revised: November 2000

What Are We Looking For ?

High sulphidation, copper-gold-silver epithermal vein system

The exploration target at the Thorn property is a large epithermal alteration system containing massive pyrite-enargite-tetrahedrite veins. This target type is comparable to the Lepanto (3.7 million oz. gold, 1.6 billion lbs. copper) copper-gold deposit in the Philippines and the El Indio (6.2 million oz. gold, 2.0 billion lbs. copper) gold-copper deposit in Chile. Production from 1945 through 1995 at Lepanto totalled 33 million tonnes at an average grade of 2.2% copper, 3.5 g/t (0.10 oz/ton) gold and 11 g/t silver. Total production and reserves at El Indio are 23.2 million tonnes averaging 4% copper, 6.6 g/t (0.19 oz/ton) gold and 50 g/t silver, to which may be added 191,000 tonnes of direct shipping ore grading 209 g/t (6.1 oz/ton) gold.

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YCS → THORN
Mar '01

Property Status

Rimfire can earn a 100% interest in 52 square kilometres

The Thorn property consists of 207 contiguous claim units (52 km²). Rimfire has an option to earn 100% of the property from Kohima Pacific Gold Corporation by making staged payments of \$230,000 cash and 200,000 shares by 2005. The vendor maintains a 3.5% NSR, of which Rimfire can purchase 2% for \$3 million.

Geology

Felsic intrusive-volcanic complex

The Thorn property covers a felsic intrusive-volcanic complex of Late Cretaceous/Tertiary age. The complex has been intensely clay-sericite altered and pyritized over an area of 1400 by 2000 metres, with structurally-controlled sulphide-sulphosalt veins.

Mineralization

High-grade copper-gold-silver mineralization

The Thorn target mineralization consists of copper-gold-silver veining dominantly hosted within, but not limited to, the altered feldspar-quartz-biotite porphyry. Several styles of veining, all common in El Indio-type high-sulphidation systems, have been identified:

- **Massive pyrite-enargite+/-tetrahedrite veins:** Examples of this veining include the MP and Catto veins. A grab sample across the MP vein assayed 8.73% copper, 0.8 g/t gold and 224 g/t silver.
- **Quartz-pyrite-enargite-tetrahedrite+/-alunite veins and veinlets:** The highest gold and silver grades are contained in these veins such as Tamdhu, I Zone and F Zone. A sample sulphide boulder derived from the newly discovered Tamdhu Vein structure returned 12.05% copper, 22.1 g/t gold and 2413 g/t silver. The I Zone is comprised of numerous subparallel veinlets and veins ranging up to 1.5 metres. The entire zone would average >25 metres true width with individual veins containing up to 0.3% copper, 9.28 g/t gold and 760 g/t silver (0.7 m).
- **Sulphide-poor quartz+/-alunite breccia veins:** The one example of this vein type, the B Zone, was the focus of a 1986 drill program. Hole 86-3 intersected 7.8 metres of 0.08% copper, 3.6 g/t gold and 44 g/t silver within a 31.5 metre interval grading 0.07% copper, 1.3 g/t gold and 24 g/t silver.

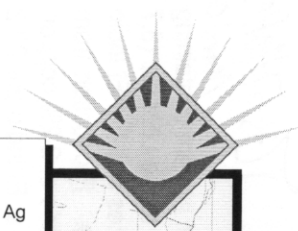
Mineralization is not restricted to the porphyry. Zone G, a 2.0 metre wide quartz-carbonate-sulphide vein hosted in an older volcanic package nearby, assayed 0.29% copper, 57.4 g/t gold and 90 g/t silver.

2000 Exploration Program

This year's program saw property-wide airborne geophysics, new staking and an initial look at the heart of the property. This work has identified 16 zones that require further exploration, some of which are drill ready. The new claims cover two additional targets: the Cirque porphyry and a 2,300 by 500 metre gold-arsenic-lead soil geochemical anomaly.

Thorn Property

Geology



Results of 1986 Diamond Drilling

DDH86-1	0.4m	of 0.92% Cu, 1.7 g/t Au, 59 g/t Ag
DDH86-2	2.1m	of 0.16% Cu, 0.5 g/t Au, 22 g/t Ag
DDH86-3	31.5m	of 0.07% Cu, 1.3 g/t Au, 24 g/t Ag incl. 7.8m of 0.08% Cu, 3.6 g/t Au, 44 g/t Ag
DDH86-4	2.0m	of 0.17% Cu, 0.4 g/t Au, 33 g/t Ag
DDH86-5	42.7m	of 0.11% Cu, 0.8 g/t Au, 22 g/t Au and 5.0m of 0.04% Cu, 1.8 g/t Au, 19 g/t Ag
DDH86-6	2.8m	of 3.96% Cu, 1.9 g/t Au, 156 g/t Ag
DDH86-7	0.5m	of 6.34% Cu, 3.1 g/t Au, 109 g/t Ag and 6.0m of 1.44% Cu, 1.3 g/t Au, 77 g/t Ag
DDH86-8	2.2m	of 1.50% Cu, 1.4 g/t Au, 120 g/t Ag



LEGEND

**LATE CRETACEOUS OR TERTIARY
Intrusive dykes and stocks**
KTIN Rhyolite, granodiorite and monzonite and diorite

**UPPER CRETACEOUS
Subaerial volcanics**
uKSV Rhyolite, dacite, andesite, basalt

**LATE CRETACEOUS
Thorn Stock**
uKPO Quartz-feldspar-biotite porphyry

Laberge Group
IJTF Clastic sediments

**UPPER TRIASSIC
Sinwa Formation**
uTSF Limestone and lesser clastics

Stuhini Group
uTMV Mafic volcanics
Basalt, andesite

gossan ★ showing

Results: Cu (%), Au (g/t), Ag (g/t)/ True Width

