

**EVOLUCIÓN HIDROTHERMAL DEL DEPÓSITO DE WOLFRAMIO SAN MARTIN,
PROV. DE RIO NEGRO**

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Abstract

The San Martin deposit is located in the northeastern part of Patagonian Massif, Rio Negro Province. It is the most important quartz- wolframite type vein deposit in the area. Three stages of mineralization are distinguished in the veins. The fluid phases associated with the wolframite bearing quartz veins are investigated using microthermometric analysis. These fluid phases determinate an evolutionary trend for the hidrothermal fluids. The fluid inclusions data indicate that the San Martin fluid was heterogeneous throughout most of evolution and the succesive vein deposition was characterized by steady decrease in the CO₂ contents, which culminated with the deposition of late sulfide stage from a CO₂ depleted solution.