

PepinNini Minerals



Customer Story

CSA Global was commissioned by PepinNini Minerals Ltd to undertake geological, geochemical and geophysical investigations of the Santa Ines project in Salta Province, Argentina.



Snap Shot

- PepinNini Minerals acquired the Santa Ines project in Salta Province, Argentina in 2012
- There was very little information available on the geology, geochemistry or geophysics of the tenements at the time of acquisition

About PepinNini Minerals

PepinNini Minerals Limited is an Australian-based exploration company with exploration tenements in Australia and Argentina focused on a range of commodities including nickel, copper, uranium, gold and PGEs.

The Santa Ines project is located in the highly prospective Salta Province of Argentina within the Puna region, with altitudes over 4000 m and a semi-arid climate. The region is prospective for Cu-Au porphyry deposits and there is evidence of Cu-Au-Ag mineralization around former artisanal mine workings on the tenements. The property had undergone little in the way of modern exploration and geological investigation prior to acquisition of the tenements by an Argentinian-based subsidiary of PepinNini Minerals.



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“CSA Global carried out the project on time and within budget, communication was maintained right through the project to allow PepinNini to modify and adapt exploration activities to the project. The results were well reported and allowed PepinNini to make strategic decisions on the prospect within the company’s reporting compliance time frame.”

Rebecca Holland-Kennedy
Managing Director PepinNini Minerals Ltd

The Challenge

The project area is remote, but accessible by 4WD vehicle, and the acquisition of detailed geological, geochemical and geophysical data was required in order to make an assessment of its exploration potential. This required the mobilization of a local geological team prepared to work for an extended period in a remote area using a phased approach to the work.



Solution

CSA Global made use of a senior associate geologist based in Argentina who was able to pull together the necessary field crew and organize the ground geophysical survey with a contractor based in Argentina. They conducted an initial mapping, rock sampling and ground geophysics program in late 2013. An interim technical report was prepared once geochemical results were returned and the ground magnetic data processed. A second field season followed in 2014 in order to complete mapping, undertake a soil geochemistry program, and to conduct several IP/resistivity survey lines across geophysical targets generated by the previous ground magnetic survey. A final report was prepared upon the completion of the work and included recommendations regarding further exploration work.



The Results

A detailed geological map of the relevant geology of the tenements was produced during an initial field season, along with a ground magnetic survey.

A second field season involved further geological mapping, a soil geochemical survey and an IP/resistivity survey of the most prospective part of the tenement.

The results have allowed PepinNini to evaluate the prospectivity of the Santa Ines project and plan their exploration accordingly.

PepinNini Minerals Approach

- Undertake an interpretation of satellite imagery, geological mapping, rock and soil sampling and ground geophysical surveys

Results

- A detailed geological map of the tenements was produced
- Results provided PepinNi with the strategic direction to plan the next phase of the Santa Ines project



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