



ASX / MEDIA ANNOUNCEMENT

31 October 2007

## EXTENSIVE SOIL ANOMALIES IDENTIFIED AT LOS CHINOS

**Azure Minerals Ltd** (ASX: AZS) today announced that three high grade, base metal soil anomalies have been identified at the Los Chinos property in Sonora, Mexico.

Azure completed a soil sampling program covering an area of approximately three square kilometres within a sequence of sedimentary and volcanic rocks which have undergone extensive hydrothermal alteration and host a large number of historical mine workings. Assay results from the program outline three very strong multi-element (zinc, lead, silver, copper, gold and molybdenum) anomalies situated around northeast and northwest striking mineralised zones.

The eastern soil anomaly is more than 550 metres long and 200m wide and remains open to the northeast where the mineralised structure trends under alluvial cover. Soil values peak at **4.18% lead, 2.22% zinc, 45g/t silver, 0.18% copper, 0.3g/t gold, and 342ppm molybdenum**. Confirming the strength of mineralisation in this area, previously reported rock samples returned high grade values of lead (to 15.3%), zinc (to 8.26%), silver (to 483g/t), copper (to 2.03%), gold (to 3.45g/t), and molybdenum (to 0.66%). Significant old mine workings in this area exploited replacement-style mineralisation.

The southern soil anomaly, which covers 400m x 200m, returned peak values of **22g/t silver, 0.78% lead, 0.96% zinc, 0.7g/t gold and 394ppm molybdenum**. This anomaly remains open to the west, where geological mapping indicates that mineralisation potentially extends under alluvial cover.

Additionally, a large (500m x 350m) silver-lead-zinc-copper soil anomaly located in the northwest of the survey area returned grades up to **11g/t silver, 1.48% lead, 0.71% zinc and 0.15% copper**.

Azure's Executive Chairman, Mr Tony Rovira, said that exploration at Los Chinos is continuing to deliver very encouraging results.

"The high grade surface sampling results together with the large number of old mine workings and the overall geological setting indicate that the western area of the Los Chinos property has excellent potential for hosting significant polymetallic mineralisation," said Mr Rovira.

"Definition of drill targets has been completed, the necessary environmental permits for drilling have been received, and Azure expects that drilling will commence at Los Chinos later this year. We now have a number of projects with defined drill targets for our upcoming drilling program."

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In addition, recent reconnaissance mapping and surface sampling carried out elsewhere on the Los Chinos property has identified other prospective areas which have returned positive results. These include:

- A series of limestone hosted skarn occurrences in the central part of Los Chinos where rock samples returned high grade values of **zinc (to 8.06%), lead (to 6.16%), silver (to 185g/t), copper (to 1.1%) and molybdenum (to 0.38%)**. A program of soil sampling covering this area will begin shortly.
- The La Lorena skarn-hosted tungsten occurrence located in the east of the Los Chinos property. Rock samples have returned high tungsten grades, ranging up to **0.58%**. Further reconnaissance sampling is planned for this area.

Azure is currently in discussions with the holders of the excised tenements within the Los Chinos property with the view of acquiring these titles.

### **PROJECT BACKGROUND**

Los Chinos is held in joint venture with Toronto listed Geoinformatics Exploration Inc (TSX-V: GXL), with Azure earning a 51% interest. The property covers an area of 9,392 hectares and is located approximately 80 kilometres north of Hermosillo, the capital of the State of Sonora, Mexico.

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### **For further information, please contact:**

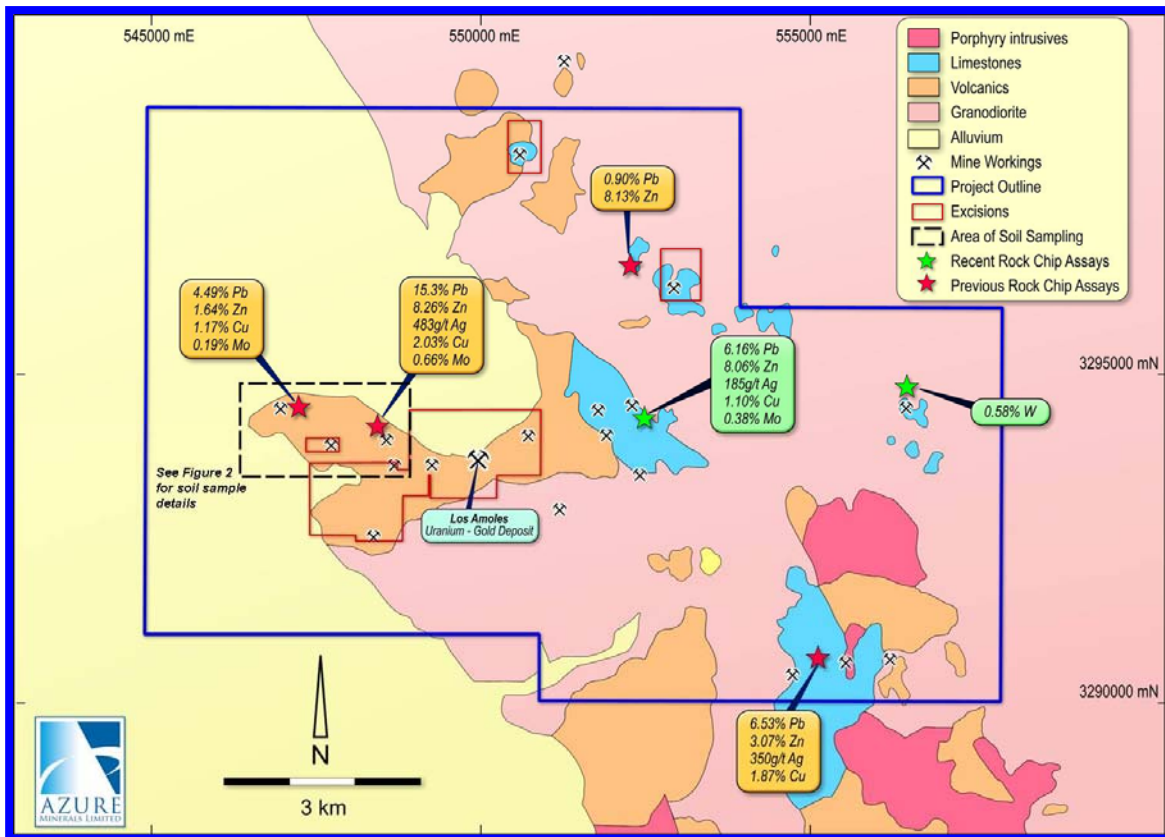
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*Information in these documents that relates to Exploration Results is based on information compiled by Mr Pat Manouge, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Manouge is a full-time employee of Azure Minerals Limited. Mr Manouge has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr Manouge consents to the inclusion in the documents of the matters based on his information in the form and context in which it appears.*

**FIGURE 1 – LOS CHINOS PROJECT**



**FIGURE 2 – SOIL SAMPLING RESULTS (Zn-Pb-Cu)**

