

# Orosur Mining Inc.

Assay results from three further holes in the central zone of the Pepas Prospect ('Pepas' or 'the Prospect') continue to build-out an exceptionally exciting geological picture. Adding to the list of outstanding gold intersections delivered in the six weeks since Orosur regained control of the Anzá Project ('the Project') in Colombia, holes PEP016, PEP017 were drilled with the objective of increasing understanding of the litho-structural framework of the deposit, while PEP018 was drilled up dip and on section of holes PEP013 and PEP017 and, as expected, produced more highly impressive numbers. Altogether, this is suggestive of the current body of mineralisation sitting within the keel of two roughly parallel faults that converge at depth with a southerly plunge. Seeking to reinforce this opinion and commence a new section, hole PEP019 is now underway; located parallel to PEP018, some 30m along strike to the SE, it will gradually step out this mineralisation. In addition to this, recent surface mapping and geochemistry data indicates substantial potential to the north of the current body and geological teams are now expanding this work with a view to developing new targets in tandem with the definition drill program currently underway at Pepas. Having rapidly picked up after the New Year break, management strategy appears to be working and confidence rewarded as Pepas continues to exceed all expectations. Following completion of the 19 December 2024's £1.25m (gross) equity placing, the Group has sufficient funds to undertake a substantial extension to the original planned 800m drill program, which can be expected to continue to ramp up this quarter.

## Pepas – Producing quite exceptional gradings and thicknesses

Holes PEP016, PEP017 and PEP018 continue to add to the geological picture in the centre of the Pepas zone. The primary objective of further Q1 2025 drilling will be to resolve remaining uncertainty with respect to the orientation of the mineralisation.

### PEP012 to PEP018 Drill Intercepts Gold Mineralisation

Hole Number	From (m)	To (m)	Interval (m)	Au (g/t)
<b>PEP018</b>	0	54.1	54.1	6.01
<b>including</b>	5.4	29.15	23.75	9.07
<b>PEP017</b>	56.1	96.3	40.2	2.06
<b>including</b>	56.1	64.15	8.05	4.42
<b>including</b>	74.35	78.6	4.25	8.3
<b>PEP016</b>	61.6	105.3	43.7	3.13
<b>including</b>	61.6	76.25	14.65	8.09
<b>PEP015</b>	23.5	63.7	40.2	3.75
<b>including</b>	27.3	34.1	6.8	9.02
<b>including</b>	49.35	54.65	5.3	6.95
<b>PEP014</b>	0	75.1	75.1	5.58
<b>including</b>	12.85	24.35	11.5	8.34
<b>including</b>	30.25	44.2	13.95	13.68
<b>PEP013</b>	0	77.30	77.30	7.68
<b>including</b>	0	18.75	18.75	11.02
<b>including</b>	28.2	45	16.80	13.29
<b>PEP012</b>	0	66.75	66.75	5.64
<b>including</b>	0.8	3.5	2.7	10.92
<b>including</b>	9.7	11.75	2.05	7.02
<b>including</b>	12.65	14.1	1.45	10.54

Source: Orosur, RNSs of 13 Jan. 2025, 23 Dec., 13 Dec., 9 Dec. and 2 Dec. 2024

#### Stock Data

Share Price:	7.65p
Market Cap:	£19.99m
Shares in issue:	261.27m
52 week high/low:	10.00p/2.11p

#### Company Profile

Sector:	Gold Mining
Ticker:	OMI
Exchange:	AIM, TSX-V

#### Activities

Orosur Mining Inc. ('Orosur', 'the Group', 'OMI') is an international explorer and developer of high-quality mineral assets in key jurisdictions.

Company website: [www.orosur.ca/](http://www.orosur.ca/)

#### 5-year share price performance



Source: LSE

Past performance is not an indication of future performance.

#### Turner Pope contact details

Tel: 0203 657 0050  
Email: [info@turnerpope.com](mailto:info@turnerpope.com)  
Web: [www.turnerpope.com](http://www.turnerpope.com)

Andrew Thacker  
Corporate Broking & Sales

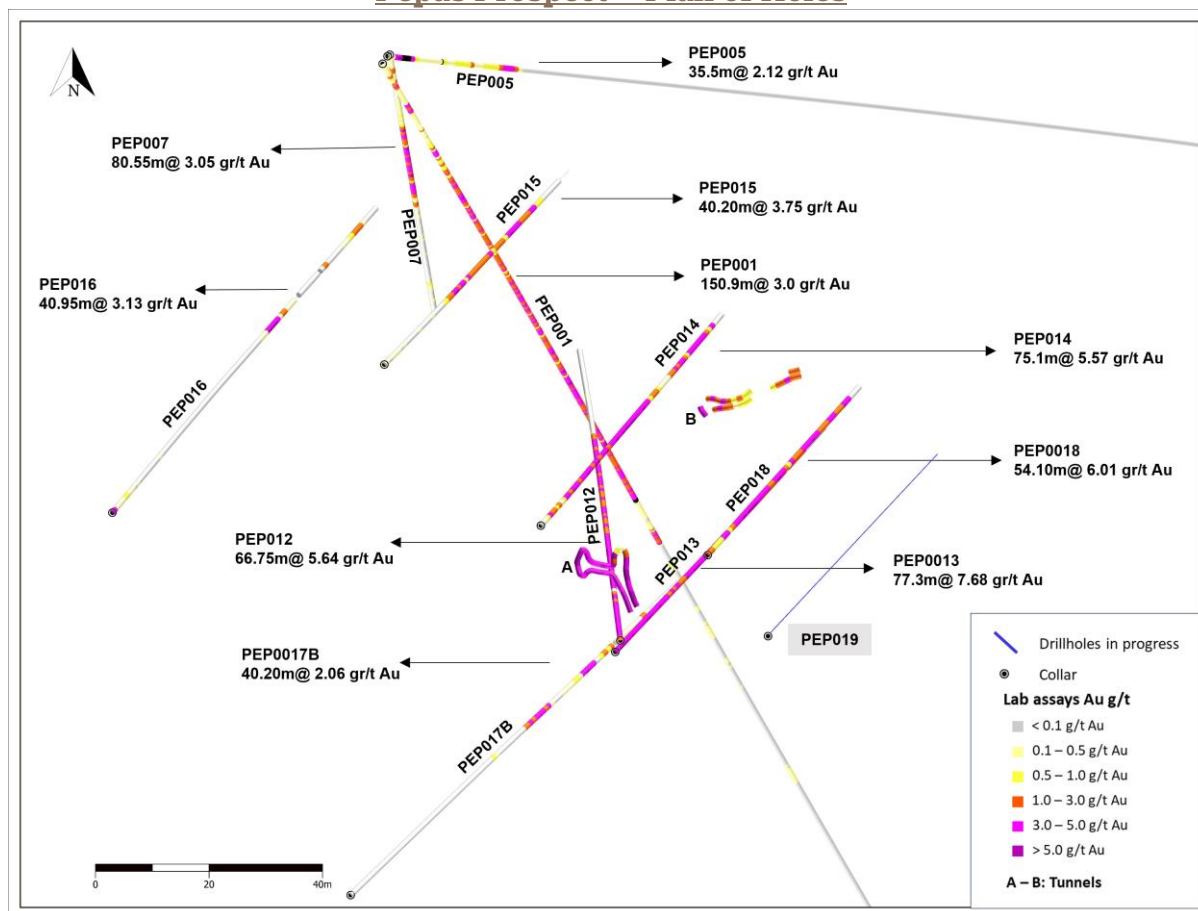
Barry Gibb  
Research Analyst

TPI acts as Joint Broker to Orosur Mining Inc.

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### Pepas Prospect – Plan of Holes



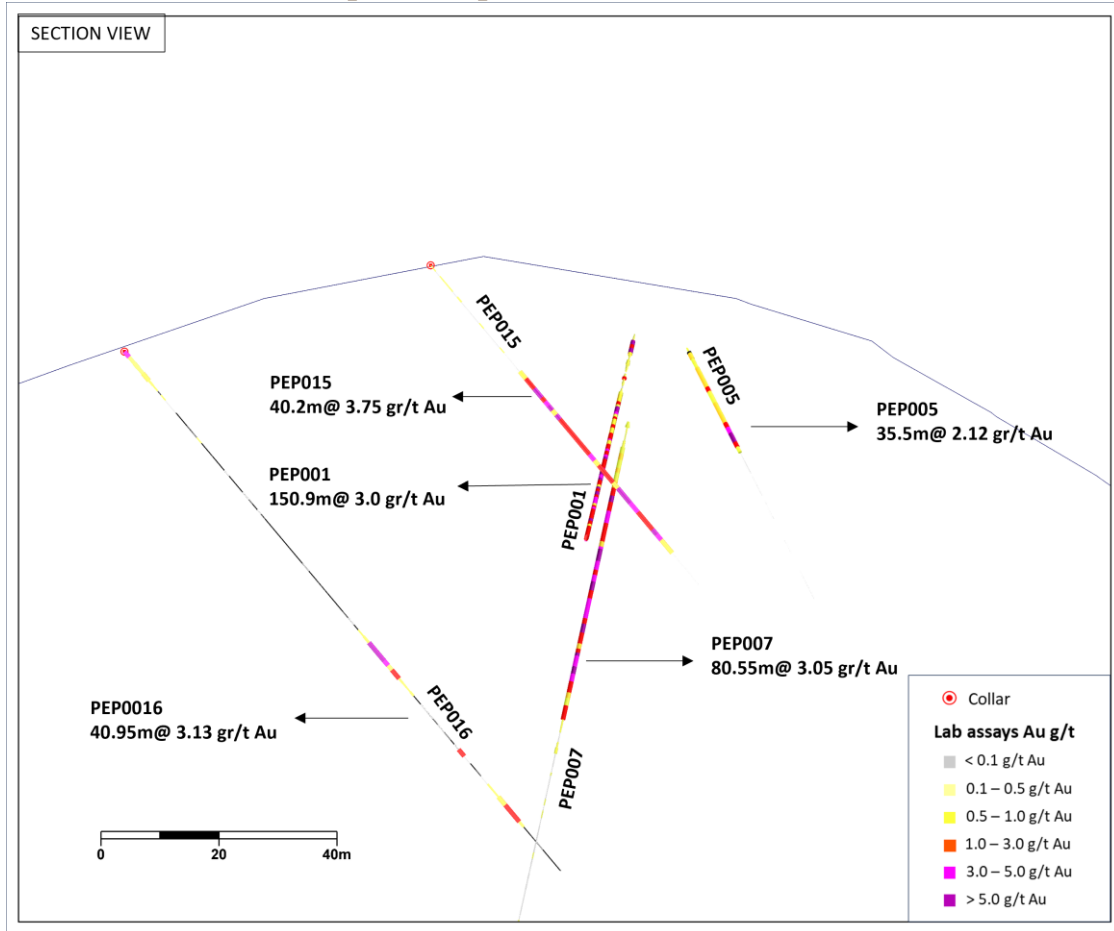
Source: Orosur, RNS of 13 Jan. 2025

Evidence of the existence of a basement fault on Pepas had already been noted from surface mapping. Holes PEP016 and PEP017 were specifically designed to test its location and nature to gain a better understanding of the mineralisation. As illustrated above and over, both were both drilled downdip of previous holes, but at opposing ends of the current mineralised zone. This enabled collection of data for assessment of additional structural complexities that were anticipated to the SW and to begin creating several drill sections to aid interpretation. Both intersected loose and broken ground from surface, which is thought to be the result of being drilled through and sub-parallel to a large fault zone running parallel to the known fault and converging at depth. Drilling within this zone was difficult with poor recoveries, to the extent that PEP017 was abandoned and redrilled as PEP017B from the same pad, with a slightly shallower dip so as to exit the fault zone earlier. Upon leaving the fault zone, both holes entered the mineralised zone and recorded substantial Au intersections. The geological picture that is beginning to emerge from this, is one of the current body of mineralisation sitting within the keel of two roughly parallel faults that converge at depth with a southerly plunge.

Contrasting this, PEP018 was instead drilled up dip of and on section with holes PEP013 and PEP017. Completing the section, it extended the exceptional results recorded in PEP013, entering high grade mineralisation from surface which continued until intersecting the basement fault.

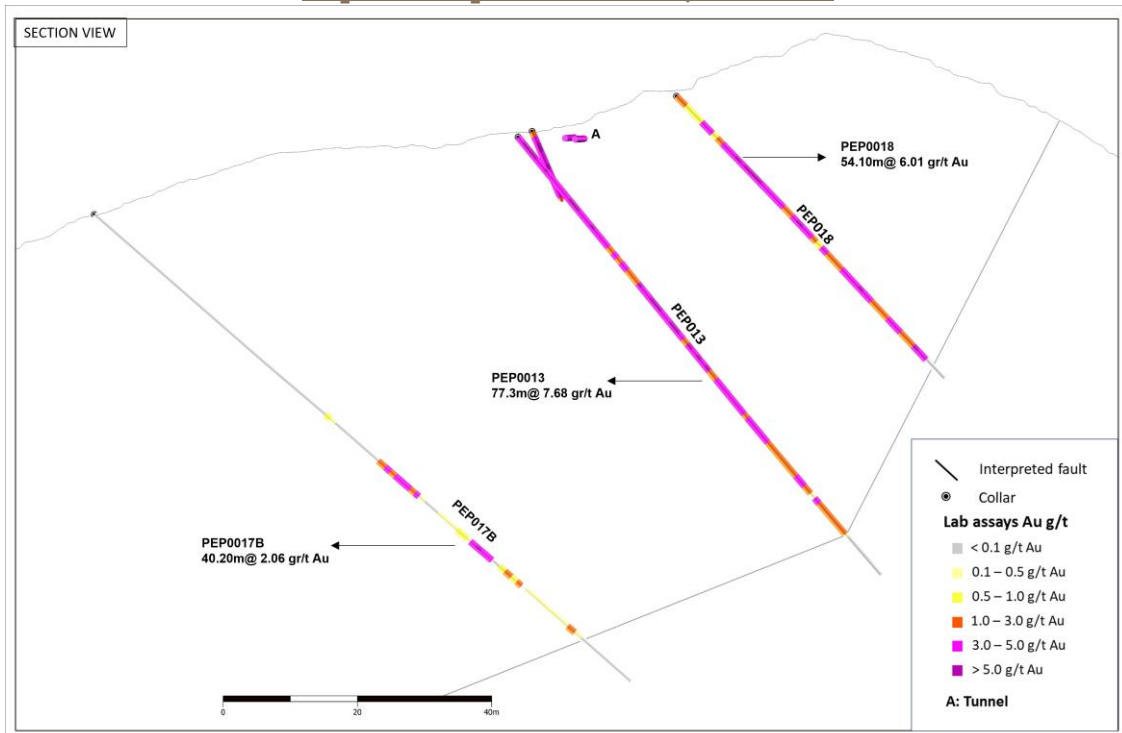
All seven holes drilled on the Pepas Prospect since late November 2024 have returned exceptional results. The same geological teams that developed the Pepas's drill programme has also recently delivered some particularly enticing surface mapping and geochemistry data results to the north of the current body. They are presently expanding this work with a view to identifying new targets on what could potentially be new mineralised zone, in addition to the definition drilling that remains underway at Pepas. Depending on rig availability, management may be in a position to test for mineralisation here during H1 2025, which would build further confidence regarding the scale and potential costings of the available opportunity.

**Pepas Prospect – Section, PEP016**



Source: Orosur, RNS of [13 Jan. 2025](#)

**Pepas Prospect – Section, PEP017B**



Source: Orosur, RNS of [13 Jan. 2025](#)

### **APTA prospect – Possibly being moved to a resource in 2025**

With about 38,000 metres of drilling completed since its discovery in 2012 the APTA prospect, which is centrally located on the Group's flagship (pre-acquisition) Anzá Project, has been the subject of most of the past activity. A body of gold mineralisation, producing numerous thick, high-grade intersections, had been discovered suggestive of a hybrid volcanogenic massive sulfide ('VMS') orebody/Epithermal gold system.

Orosur has stated that it is examining opportunity to move the prospects to a NI43-101 Mineral Resource Estimate. Such an exercise can, of course, become a major and expensive distraction. Cost would likely run into tens of thousands of US\$, while requiring engagement of one or two consultants for a period of six or so months who in turn can be expected to produce over a hundred pages of documentation. The trigger for such a move by Orosur is likely to hinge on management's own internal conservative estimation of the scale of the resource, including its opportunity to reinterpret available data and heighten understanding of the geology (as opposed to requiring additional drilling), with a view to optimising its potential size and overall grading. Orosur's Board believe this to be a possibility and, as a first step, expects to introduce an external consultant(s) to the site in the New Year to create a more complete picture and to review the principal drivers.

### **El Roble and El Cedro – To be advanced to drill readiness in 2025**

The El Roble and El Cedro prospects are located toward the south of the Anzá Project's key tenements. They are potentially two different parts of one porphyry system. Originally found by Anglo American a number of years ago when it was searching for a base metal project, MMA subsequently returned to them in 2021 in order to undertake its own initial mapping and sampling.

This produced evidence of widespread, high-grade soil and rock chip anomalism, along with large areas of silicification, veining and alteration plus traces of arsenic (a naturally occurring element that is commonly found as an impurity in metal-bearing mineral ores). Numerous silicified breccias, which are key hosts, were also identified. The overall system was found to be very large, around three kilometres square, which is considered typical scale for a porphyry. No drilling has taken place on the prospects to date, but Orosur may decide to use some of its recent fundraising to undertake additional detailed mapping and sampling with a view to advancing the prospect to a state of drill readiness in 2025.

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