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The Companies Announcements Office
ASX Limited

Update on Exploration Work for Copper Flats and Suplejack

Ord River Resources Limited (ASX: ORD) is pleased to announce that ORD's Exploration Manager Robert Meade has returned from his 2 week exploration trip to Copper Flats and Suplejack.

Exploration reconnaissance of Geological Mapping Area 3, along with 2 non-descript exploration areas at Copper Flats Project, and reconnaissance evaluation of 5 previously reported gold anomalous prospects at Suplejack Project was undertaken between August 1 to 15, 2010.

Copper Flats

Geological Mapping Area 3 was considered the most prospective area within the Copper Flats Project for the discovery of significant copper-silver mineralization. A 7 day helicopter supported program was completed. The area is dominated by monotonous semi flat-lying grey Headleys Limestone, which when incised exposes an underlying sequence of interbedded limestone and sediments. This sequence has been referenced in NTGS mapping as Blackfella Rockhole Member. Headleys Limestone varies in true thickness from 1m to 5m, and Blackfella Rockhole Member from non-existent to 5m. Directly beneath these two units are widespread exposures of Antrim Plateau Volcanics, dominated by massive porphyritic basalt.

Observed copper mineralization is seen in the very upper portion of the Antrim Plateau Volcanics and lower portion of the Blackfella Rockhole Member. Copper mineralization is evidenced by isolated massive malachite, and more common malachite filled fractures within basalts of the Antrim Plateau Volcanics, malachite filled fractures and coatings on chert nodules and fractures within the Blackfella Rockhole Member. No mineralization was observed in the overlying Headley Limestone. Malachite is laterally limited to areas smaller than 10m by 10m and rarely has a true thickness exceeding 1m. Significant colluvial material, often rich in malachite exists downslope of these exposures. Downslope colluvium aprons were seen to occur over areas measuring 25m by 50m.

Previously reported high-grade copper analytical results are believed attributable to high-grading of samples, rather than representative vertical or horizontal channel sampling results. No exposures observed throughout Mapping Area 3 were considered representative of a significant mineral system. This said, the significance of these occurrences should not be ignored, as they may represent proximal or distal accumulations adjacent to ORD's preferred target of sulphide copper mineralization. One such location of interpreted structural complexity was identified from interpretation of Landsat 7 data, and was the subject for ground checking. These structures were interpreted to trend along the western boundary of

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Mapping Area 3, and continue trending right across the Copper Flats Project Tenure. Significant NW trending structures were seen to trend through all lithological units and persist for in excess of 2 kilometres. The significance of these faulted structures will now be evaluated relative to additional datasets, and the resultant findings will form the basis for future mineral exploration activities.

Suplejack

Reconnaissance exploration throughout the Suplejack Gold Project has confirmed ORD's strong belief and commitment to gold exploration throughout the tenement. Gold Prospectivity in areas extending from PhD Prospect to PhD North Prospect (approximately 7km), and in the Thomas Prospect, Tregony Prospect, and Edwina Prospect region (approximately 8 square kilometres) is considered very high with significant brecciated lithologies and faulted / sheared lithologies present in outcrop. Detailed geological mapping across these areas with particular emphasis on tectonic fabrics, quartz vein density, and quartz vein textures, is recommended to assist in drill target definition.

We now busy planning next step in the exploration program for Copper Flats. We remain focused on securing a farm-in partner for Copper Flats. Further exploration work will greatly assist our efforts.

We are committed to increasing our exploration work in Suplejack. We hold a strong belief that there is a much bigger gold resource potential than what we currently have certified under JORC. We will fast track our mapping and drilling program to carry out the necessary field work in 2010 with an aim to lift resource in the future.

If you have any questions please contact Frank Zhu, Head of Corporate Development via investor.relations@ord.com.au.

Yours faithfully

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