

# **Quarterly Report**

### FOR THE PERIOD ENDING 31 DECEMBER 2013

## **Significant Events**

- Diamond drilling at 100%-owned 1050 East prospect, within southern portion of Olympic Dam iron-oxide, copper-gold-uranium (IOCGU) belt, intersects high-grade copper-silver-cobalt
- Results include 13 metres @ 1.45% Cu, 66 ppm Ag and 0.17% Co (from 215 metres) in hole EEDD012 on Section 6374400N, including a massive sulphide interval of 8 metres at 2.2% Cu, 92 ppm Ag and 0.26% Co (from 217 metres)
- Additional results include 4 metres @ 1.24% Cu and 65.8 ppm Ag (from 67 metres) and 9 metres @ 1.07% Cu and 29 ppm Ag (from 75 metres) from EEDD013 (located approximately 180 metres east of EEDD012 on Section 6374400N)
- All five holes completed by Renascor on Section 6374400N have intersected significant copper, cobalt and silver mineralisation, defining an envelope of poly-metallic mineralisation over 50 metres to 70 metres true-width and 200 metres down-dip extent, open in all directions
- Initial drilling 400 metres south on Section 6374000N returned copper mineralisation in two holes (with assays pending from third) over southern extent of IP anomaly, with results including 11.4 metres @ 0.55% Cu in hole EEDD010 (from 56.6 metres) and 2 metres @ 0.78% Cu in hole EEDD009 (from 134 metres)
- As of 31 December 2013, Renascor had approximately \$1.4 million cash on hand

## **Exploration**

#### **EASTERN EYRE PROJECT**

At its 100%-owned Eastern Eyre Project, located within the southern portion of the Olympic Dam IOCGU belt, Renascor intersected high-grade copper, cobalt and silver mineralisation at its 1050 East prospect. Results include 13 metres @ 1.45% Cu, 66 ppm Ag and 0.17% Co (from 215 metres) in hole EEDD012 on Section 6374400N, including a massive sulphide interval of 8 metres at 2.2% Cu, 92 ppm Ag and 0.26% Co (from 217 metres). Across Section 6374400N, Renaissance has completed five holes, each of which has intersected significant copper, cobalt and silver mineralisation, defining an envelope of poly-metallic mineralisation over 50 metres to 70 metres true-width and 200 metres down-dip extent, open in all directions



Figure 1. Eastern Eyre Project, showing location of prospects

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#### Overview

Renascor's exploration at the Eastern Eyre Project is targeting IOCGU-style and related deposits within a major fault zone in the southern portion of the Olympic Dam corridor. See Figure 2. The Olympic Dam corridor is generally considered to be among the world's most prospective target areas for IOCGU deposits, hosting the massive Olympic Dam deposit, as well as other large-scale IOCGU deposits, including Prominent Hill and Carrapateena to the north of the project area and the Hillside deposit and the historical copper mining district of Moonta to the While large target zones of the south. Olympic Dam corridor are often located far from infrastructure and in areas with deep cover sequences, Renascor's project area is readily accessible, with basement targets from surface to approximately 200 metres depth, amongst the shallowest targets in the Olympic Dam IOCGU corridor.



Figure 2. Olympic Dam IOCGU belt, showing location of Renascor's Eastern Eyre Projects in relation to significant mineral deposits

In addition to its favorable location, Renascor's project area benefits from widespread copper mineralisation intersected from historical drilling in limited areas adjacent to the fault zone. The majority of these prospects were targeted from the late 1960s through the 1980s using geochemical surface sampling, followed by shallow drilling. The presence of multiple zones of copper mineralisation suggests to Renascor that the fault zone represents a zone of extensive hydrothermal alteration. The majority of the historical exploration programs in the project area generally bypassed the faulting zone, instead focusing on the areas to the east, where soil sampling provided an effective targeting mechanism. The discovery by Rex Minerals in 2009 of the Hillside IOCGU deposit to the south of the project area has reinforced the importance of the faulting zone in the deposition of IOCGU-style ore bodies. Accordingly, Renascor considers targets located proximate to the fault structures to represent particularly attractive (and often untested) IOCGU drill targets. In addition to assessing the previously identified targets east of the faulting zone, a major focus of Renascor's current exploration efforts has been the fault zone.

In September 2013, Renascor commenced its maiden drilling campaign at Eastern Eyre, completing 1,150 metres of reverse circulation (RC) drilling. The primary prospect targeted in this initial drill program was 1050 East, where previous RAB drilling had intersected shallow copper mineralisation. See Renascor ASX Release dated 10 September 2013. Significant results included 44 metres at 0.61% Cu, 311 ppm Co and 24 ppm Ag from 172 metres to end-of-hole in hole EERC003 on Section 6374400N. See Figure 3 and Renascor's ASX Release dated 15 October 2013. Subsequently, in October 2013, Renascor completed an Induced Polarisation (IP) survey, identifying a major chargeability zone at 1050 East extending both north and south of copper mineralization intersected in hole EERC003 on Section 6374400N. See Figure 4 and Renascor's ASX Release dated 28 October 2013.

#### Diamond drill program

During the recently completed quarter, Renascor completed an 1,100 metre diamond drilling program at its 1050 East prospect. The primary purpose of the program was to test for the continuation of mineralisation intersected in Renascor's RC drilling at 1050 East on Section 6374400N. Additionally, the program tested the southern continuation of the target defined by Renascor's IP survey on Section 6374000N. See Figure 4. Assay result from the diamond drilling confirm several intersections of high-grade copper-cobalt-silver over Section 6374400N, with results including 13 metres @ 1.45% Cu, 66 ppm Ag and 0.17% Co (from 215 meters) in hole EEDD012, including 8 metres at 2.2% Cu, 92 ppm Ag and 0.26% Co (from 217 metres). All five holes completed by Renascor on Section 6374400N have intersected significant copper, cobalt and silver mineralisation, defining an envelope of poly-metallic mineralisation over 50 metres to 70 metres true-width and 200 metres down-dip extent, open in all directions. Additionally, drilling 400 metres south on Section 6374000N has returned copper mineralisation in two holes (with assays pending from third) over the southern extent of the IP anomaly, with results including 11.4 metres @ 0.55% Cu in hole EEDD010 (from 56.6 metres) and 2 metres @ 0.78% Cu in hole EEDD009 (from 134 metres).



Figure 3. Section 6374400N -- Drill traces, copper intervals and summary geology



#### Section 6374400N

Within Section 6374400N, Renascor completed three new diamond holes (EEDD008, EEDD0012 and EEDD0013) and one diamond "tail" to earlier RC hole EERCDD003 for approximately 590 metres of predominately NQ-size core. Assays confirm the intersection of significant copper, cobalt and silver mineralisation in each of the holes completed by Renascor on Section 6374400N, defining an envelope of poly-metallic mineralisation over 50 metres to 70 metres true-width and 200 metres down-dip extent, open in all directions. See Figure 3. Drill results for all holes drilled by Renascor in the diamond program, as well as Renascor's RC holes and historical holes drilled in the 1050 East prospect area, are included in Renascor's ASX release dated 21 January 2014. Significant results, including assays of the completed diamond holes (from west to east) are described below.



Figure 4. 1050 East drill collar geology and IP summary plan

- Hole EEDD012. Renascor completed a diamond-cored hole to the depth of 243 metres, intersecting 13 metres @ 1.45% Cu, 66 ppm Ag and 0.17% Co (from 215 meters), including a massive sulphide interval with 8 metres at 2.2% Cu, 92 ppm Ag and 0.26% Co (from 217 metres). See Figure 5. Significantly, the massive sulphide zones in Hole EEDD012 occur below the chargeability anomaly modelled from Renascor's IP survey, suggesting additional prospects for sulphide mineralisation below the existing chargeability zone over Section 6374400N.
- Hole EERCDD003. At hole EERCDD003, located approximately 40 metres to east of hole EEDD012, Renascor completed a diamond-cored "tail" from 216 to 252.6 metres to extend EERC003. Significant results at hole EERCDD003 include 47 metres @ 0.59% Cu, 55 ppm Ag and 0.03% Co (from 172 metres), including 2 metres at 3.5% Cu, 142 ppm Ag and 0.03% Co (from 196 metres)
- Hole EEDD008. At hole EEDD008, located approximately 100 metres to the east of hole EEDD003, Renascor completed a diamond-cored hole to test a shallow IP target above holes EERC003 and EERC002. Drilling was completed to 159.4 metres, with assay results including 14 metres at 0.61% Cu (from 108 metres to 122 metres) and 17 metres at 0.31% Cu (from 60 metres to 77 metres).
- Hole EEDD013. Hole EEDD013, the final hole drilled in the diamond program, was designed to test for further mineralisation approximately 40 metres to the east of hole EEDD008. Renascor completed a diamond-cored hole to the depth of 150 metres, intersecting 4 metres @ 1.24% Cu and 65.8 ppm Ag (from 67 metres) and 9 metres @ 1.07% Cu and 29 ppm Ag (from 75 metres).





Figure 5. Hole EEDD012 – portion of massive sulphide interval from 217.5 metres to 221.5 metres

#### Section 6374000N

Within Section 6374000N, Renascor completed three diamond holes for 524 metres intended to test the southern continuation of the chargeability anomaly modelled from Renascor's IP survey. See Figure 4. With assay results pending for one hole (EEDD011), significant results include: 11.4 metres @ 0.55% Cu in hole EEDD010 (from 56.6 metres) and 2 metres @ 0.78% Cu in hole EEDD009 (from 134 metres).

#### Next steps

Significantly, Renascor has now established an envelope of poly-metallic mineralisation over 50 metres to 70 metres true-width and 200 metres down-dip extent, open in all directions at Section 6374400N, with multiple intersections of massive sulphides. Additionally, Renascor has identified copper mineralisation over an IP anomaly 400 metres to the south on Section 6374000N. Renascor is currently planning its next drill program at 1050 East, which is expected to include drilling to define the extent and dimensions of massive sulphide and disseminated copper mineralisation.



## Corporate

Set forth below is a brief summary of other key information relating to corporate events for the quarter.

- At Renascor's Annual General Meeting held on 29 November 2013, a shareholder's resolution was approved changing the company's name to Renascor Resources Limited from Renaissance Uranium Limited.
- Renascor surrendered exploration licences 4814 (Tanners Dam) and 5014 (Tanners Dam North) and exploration licence application 2013/126 (Minnipa).
- As of 31 December 2013, Renascor had approximately \$1.389 million cash on hand. Please refer to Renascor's Quarterly Cashflow Report for the period ending 31 December 2013 for further information.

#### COMPETENT PERSON STATEMENT

The results reported herein, insofar as they relate to exploration results, are based on information compiled by Mr G.W. McConachy (Fellow of the Australasian Institute of Mining and Metallurgy) who is a Director of the Company. Mr McConachy has sufficient experience relevant to the style of mineralisation and type of deposits being considered to qualify as a Competent Person as defined by the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (the JORC Code, 2012 Edition). Mr McConachy consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

#### **BACKGROUND INFORMATION**

Renascor Resources is an Australian-based company focused on the discovery and development of economically viable deposits containing, copper, gold, uranium, and associated minerals. Renascor has an extensive tenement portfolio, holding interests in projects in key mineral provinces of South Australia and the Northern Territory.

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