



QUARTERLY REPORT

Ending 31 December 2012



HIGHLIGHTS – a pipeline of silver opportunities in South Australia

Paris silver prospect advances

- Diamond drilling continued with further high-grade silver intersections
- Slower drilling improves core recoveries
- Most of the high-grade silver intersections at potentially open-pit depths
- Further drilling to focus on high-grade silver zones

Satellite silver targets in the Peterlumbo field to be progressed

- Other silver targets surrounding Paris being prepared for drilling
- Awaiting final heritage report before drilling commencement likely in March

Seeking new regional silver targets

- Aggressive soil sampling campaign expected to generate new silver targets in new prospective fields across Eyre Peninsula

New IOCG copper targets on Yorke Peninsula

- High priority magnetic targets with iron oxide copper gold potential were identified in a poorly explored part of the Moonta copper field

OVERVIEW AND OUTLOOK SUMMARY

An aggressive exploration program was maintained on the company's pipeline of silver, gold and copper targets in the southern Gawler Craton. The new generation targets were developed using innovative target models and a regional soil sampling approach for the region.



About \$2.0 million were spent during the quarter primarily on drilling the Paris silver prospect. Advances were also made towards gaining drill access to the surrounding satellite silver targets and developing new silver targets elsewhere on Eyre Peninsula, plus new copper targets on Yorke Peninsula.

The principal outcomes for Paris during the period were the positive resolution of a drill sampling issue with better sample recoveries now being achieved; and high-grade silver intersections continuing to be made but with structural complexity increasingly evident.

Both outcomes warrant a delay in making a resource estimation for Paris while closer spaced drilling into 2013 is

sought to improve confidence in the drill data particularly for the high-grade zones.

Additional drill rigs are proposed to join the current one to progress testing of Paris and the satellite targets after the heritage clearance is obtained.

To capitalise on the company's successful approach, regional soil sampling was extended to three new tenement areas as well as infill sampling of established target areas. Most soil samples are awaiting analysis that is expected to provide new silver targets on Eyre Peninsula during the March quarter. These will join the Botenella Gate targets for drill testing during 2013. Negotiations are underway for access to the new Roundabout IOCG target on

Managing Director's summary:

Managing Director Mr John Anderson said "Investigator Resources is well placed for another exciting year. We are well funded to build on our strong portfolio of targets underpinned by the Paris silver discovery. During 2012, Investigator became an exploration leader in our chosen region of the Gawler Craton.

The work we undertook during the December quarter was an excellent launching point for moving Paris to a resource estimate and to develop a new generation of quality precious silver, gold and copper targets across the region during 2013."

Yorke Peninsula. Drilling is subject to the results of a proposed gravity survey and may be delayed by farming activities.

OPERATIONS REVIEW

Paris silver prospect

(Peterlumbo Joint Venture – IVR 75%)

Drilling at Paris reverted to one diamond drill rig during the quarter to enable slow and careful drilling through suspected cavity zones around the friable sulphide mineralisation and soft wallrocks. Better core recoveries were accordingly achieved so cavities are now discounted as an issue for resource considerations at Paris.

Thirteen diamond holes PPDH039 to 051 were completed during the quarter for a total drill metreage of 2,957m.

After a three week break over Christmas, the single rig is continuing to drill another 12 holes to complete the nominal 100m x 50m coverage of the

known target zones.

Further high-grade silver intersections were achieved and reported during the quarter:

- PPDH038 (12.1m @ 1,766g/t Ag from 64m) confirmed prior intersections in the Northeast Zone.
- PPDH039 (1.2m @ 896g/t Ag from 200.6m) showed the Western Sheet continued with reduced width at depth on Line 7.
- PPDH043 (12.15m @ 1,269g/t Ag from 45.4m) provided a surprise high-grade intersection between the Northeast Zone and Western Sheet.
- PPDH042 (2.8m @ 1,643g/t Ag from 48.7m) provided another test of the Southeast Zone.

More moderate grade intersections in other holes extended the boundaries of the Northeast Zone as shown in Figure 2, with multiple intersections in PPDH040 showing downdip potential on the southeast corner.

Deeper drilling of the Western Sheet on Lines 8 to 10 by holes PPDH044 – 047 failed to produce significant intersections with new assays received after the end of the quarter showing a best result of 1m @ 136g/t Ag in PPDH045 on Line 8. Assaying of PPDH048 on Line 11 is incomplete. That hole intersected a broad and weakly mineralised rhyolite that is considered promising geology for the Paris system to continue to the northwest.

OPERATIONS REVIEW contd.

Paris silver prospect contd.

The variable results in the Western Sheet and poor results in hole PPDH044 (best 2.2m @ 141g/t Ag from 72.3m) adjacent to the high-grade intersection in PPDH043 indicate the high-grade structures are complex within the generally flat-lying mineralised zones. A review is underway to determine the optimum drill orientation to test the high-grade fabric within the mineralised envelopes.

To assist this objective, a detailed gravity survey was undertaken in December over the extended Paris area to map possible structures and intrusives in the Paris system. The processed data is awaited and will be incorporated into the drill planning.

Once the Paris structural model is revised, it is proposed to add another drill rig to accelerate the testing of the high-grade zones.

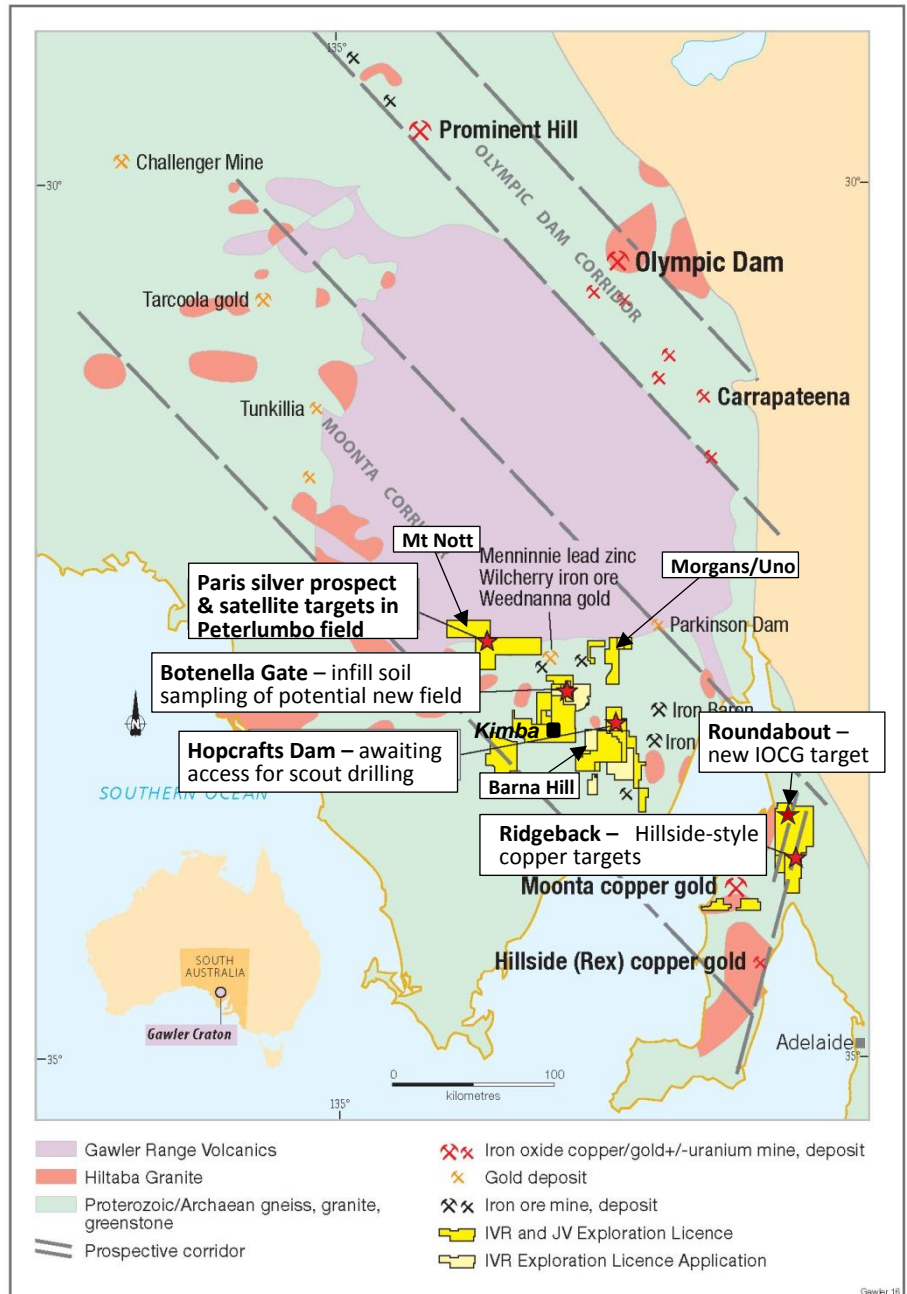
Peterlumbo satellite targets (Peterlumbo JV)

Paris sits near the centre of the Peterlumbo field in which at least three other silver soil targets and a possible 14km of buried structures wait for drill testing at Alexander, Paris North, Paris South, Trojan Horse and Helen North. This testing has been delayed by overdue heritage surveying. This proceeded during January and is awaiting a final report from the anthropologists. Preparations are being made to gain subsequent government approvals so drilling can commence as soon as possible, tentatively in March.

Infill soil sampling is in progress (c. 2,000 soil samples) to extend detailed coverage on extensions to Helen North, Paris North and Trojan Horse.

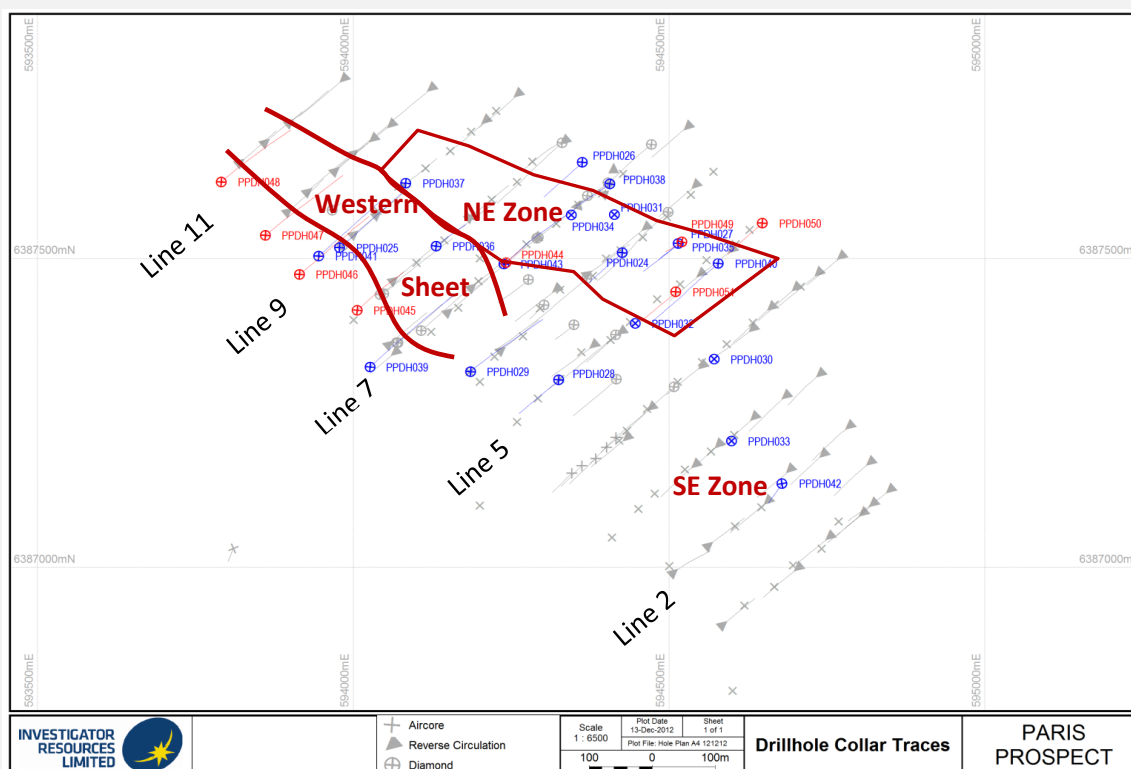
Analyses are awaited for the 1,200 soil samples collected over the eastern half of the Peterlumbo tenement where there is high potential for further silver and porphyry copper targets.

Figure 1: Plan of the Gawler Craton (green area) showing key projects and other areas of activity during the December quarter



OPERATIONS REVIEW contd.

Figure 2: Paris drill plan showing holes for which assays were received during the quarter in blue and holes drilled with assays awaited at the end of the quarter shown in red. Assays were subsequently received for holes PPDH044 – 047



New Paris intersection results since the end of December quarter:				
Hole	Target Zone; Line; Inclination	From	To	Intersection
PPDH044	NE Zone; Line 7; -60° grid east	56m	57m	1m @ 102g/t Ag
		58m	59m	1m @ 51g/t Ag
		72.3m	76.5m	2.2m @ 141g/t Ag
PPDH045	Western Sheet; Line 8; -60° grid east	171.35m	172.5m	1.15m @ 94g/t Ag
		173.5m	174.5m	1m @ 136g/t Ag
PPDH046	Western Sheet; Line 9; -60° grid east	No intersection		
PPDH047	Western Sheet; Line 10; -60° grid east	205.25m	206.6m	1.35m @ 37g/t Ag

Sampling and Assay Procedures

The entire core for the diamond holes was assayed at intervals of approximately a metre or shorter intervals to geological boundaries. Representative half core was cut by diamond saw and submitted for assay.

The assays were undertaken by ALS Limited using standard industry procedures and applying their internal check assaying and quality controls.

Silver was initially assayed by ALS method ME-MS61r using a four-acid digestion and ICP-MS finish. Where silver exceeded 100g/t, the sample was re-assayed for silver by ALS method OG62 using appropriate ore grade and acid digestion techniques.

The intersections were selected with a 30g/t Ag lower cutoff and one metre internal waste.

Regional soil targets (100% IVR)

Over 5,500 soil samples were also collected from the regional target areas during the quarter with the majority of analyses awaited. New silver prospects are expected to arise from this program.

Infill soil sampling was completed over the Botenella field after shallow scout drilling in the September quarter verified bedrock silver under coarsely delineated soil anomalies.

First pass soil sampling was undertaken at Mount Nott on the northwest extension of Peterlumbo, Morgans/Uno and Barna Hill. Morgans/Uno is of particular interest as epithermal silver

mineralisation is already recorded in the tenements.

New IOCG targets on Yorke Peninsula (100% IVR)

An airborne magnetic survey was conducted over the western side of the Bute/Hummocks tenement during November. The opportunity is to explore shallow under-explored extensions of the historic Moonta copper field where the Hillside trend intersects the Moonta Corridor, a highly prospective position for IOCG deposits.

The new detailed magnetic survey delineated several previously unrecognised magnetic targets with

IOCG potential.

In particular the Roundabout target has a similar size to the Prominent Hill magnetic signature. The gravity coverage is insufficient to assess the key IOCG ingredient of an associated gravity anomaly, so gravity surveying is proposed to refine the target ahead of likely drill testing. Negotiations are proceeding with the landowners to access the Roundabout target in coordination with their farming activities.

Larger companies are showing interest in the Roundabout IOCG target as well as the porphyry copper potential at Peterlumbo.

CORPORATE FOCUS AND KEY PROJECTS

- Drill out and initial resource estimation for the recent Paris silver discovery
- Further discoveries of competitive deposits of silver, gold and copper using our first mover status and strong ground position in the reinvigorated southern Gawler Craton
- Become a silver, gold and copper developer through exploration and acquisition

KEY PROJECTS

Southern Gawler Craton:

1. Paris silver project and other silver gold or copper targets within Peterlumbo field
2. Regional East Eyre Peninsula - silver gold copper soil targets in other potential fields
3. Northern Yorke Peninsula - Roundabout/Ridgeback IOCG & Hillside-style copper targets,



ABOUT INVESTIGATOR RESOURCES

Investigator Resources Limited is a metals explorer focusing on silver, gold and copper discovery in South Australia's southern Gawler Craton.

Investigator Resources first listed in April 2007 as Southern Uranium Limited then changed its name to Investigator Resources in 2010 to reflect the company's exploration focus on South Australia and diversification towards precious and base metals.

Investigator Resources is leading an exploration resurgence on Eyre Peninsula by applying innovative concepts and exploration techniques to secure quality ground and to compete for the next major metal discovery in Australia. The recent Paris silver discovery within the

newly-recognised Peterlumbo metal field and other potential new fields have given Investigator Resources first mover opportunities across the region.

CORPORATE

The quarterly corporate and administration costs were \$A582,000; and the direct exploration expenditure was \$A2,042,000.

The Company held \$A13,162,000 in cash at the end of the report quarter.

CAPITAL STRUCTURE

- As at 30 January 2013
- Shares on issue 335,656,687
 - Unlisted Options 5,435,000

The top 20 shareholders at 21 January hold 43.05% of the shares on issue. Total shareholders 3,802

Substantial Shareholders

As at 30 January 2013:

- CITIC Australia Pty Ltd – 19.99%
- Acorn Capital Limited – 5.03%

ASX listing: ASX code: IVR

Directors and Management

- Mr Roger Marshall OBE (Chairman)
Mr David Jones (Non Exec. Director)
Mr Bruce Foy (Non Exec. Director)
Mr John Anderson (Managing Director)
Mr Garry Gill (CFO and Company Secretary)

COMPETENT PERSON DISCLOSURE

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by John Anderson [BSc(Hons)Geol] who is a member of the Australasian Institute of Mining and Metallurgy and is bound by and follows the Institute's codes and recommended practices.

Mr Anderson is a full-time employee of Investigator Resources Limited. He has sufficient experience which is relevant to the styles of mineralisation and types of deposits under consideration and to the activities being undertaken 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 Anderson consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

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