



31 July 2009

## QUARTERLY REPORT FOR PERIOD ENDED 30 JUNE 2009

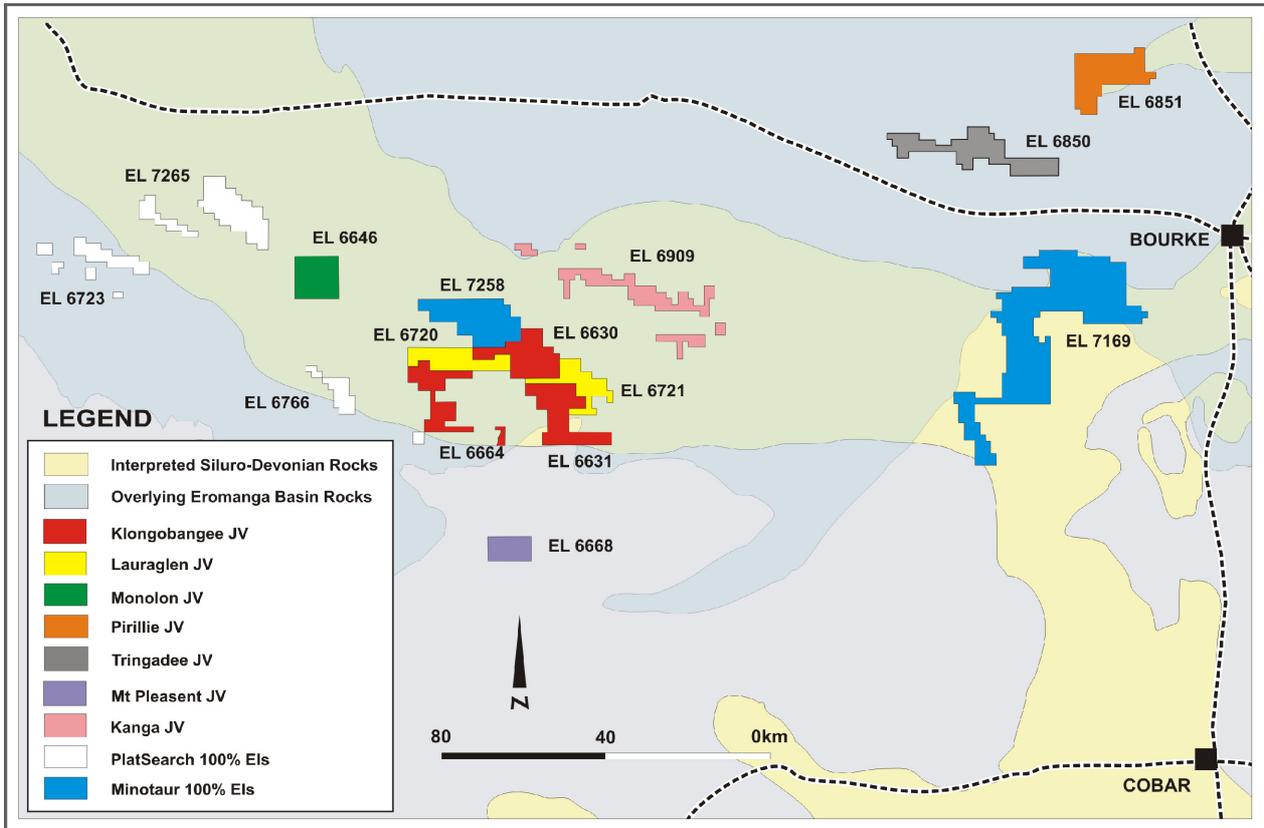
### SUMMARY

- PlatSearch NL and Minotaur Exploration Ltd have agreed to combine all JV tenements and their 100% owned tenements within the **Thomson Fold Belt**, NSW into a new entity, Thomson Resources Ltd and to seek new funding to help fast track exploration into the region. PlatSearch will maintain a significant ownership level in the new company.
- At **Junction Dam**, good progress has been made in securing a new joint venture partner to explore the uranium potential within palaeochannels along strike from the Honeymoon uranium deposit.
- At the **Callabonna and Quinyambie** projects in SA, Red Metal Limited is targeting roll-front type uranium deposit sequences within the Frome Sub-Basin which contains the Beverley and Four Mile uranium deposits. An extensive drill programme will commence shortly to test targets generated from recent processing and interpretation of high resolution airborne electromagnetic data.
- Mapping and rock chip sampling commenced within gold and tin target areas of the **Kempsey** project tenement. The work continues to highlight the good prospectivity of the area and will be used to help frame the next exploration programme.
- Assay results were returned from a programme of shallow aircore drilling completed at the **Tinman** prospect near Ardlethan, NSW. Tin assays were low, but strong zones of channel iron maghemite within palaeochannels were intersected and are currently being assessed.
- At the **Bedrock** project, geophysical and geological interpretive work by PlatSearch identified new gold targets adjacent old gold workings. A tenement application has been made.
- Exploration by **Silver City Mining Limited** (24% owned by PlatSearch) continued over its large tenement position within the Broken Hill Block. Much of the work centred on compiling and assessing data from the recently signed joint venture with CBH Resources Limited and reviewing projects generated by the large Niton geochemical programme completed by CBH. Numerous high quality targets have been outlined and Silver City is now formulating its exploration programmes for the coming year.
- **Eastern Iron Limited** (45% owned by PTS) completed aircore drilling over the Hutch JV, near Cobar NSW. Results received have been encouraging, for although lower grade, intervals intersected have been much thicker than anticipated. Resource estimation work commenced as part of the planned scoping study over its CID deposits.
- **Western Plains Resources Ltd** recently completed a successful rights issue and a placement (in two stages) to raise up to \$7.6 million. PlatSearch took up its rights in July and has committed to take shares in the placement to maintain its 8% ownership in WPG.
- PlatSearch successfully completed a **Rights Issue**, raising \$4 million as part of its plan to secure funding to more rapidly progress its exploration and project assessment work. The issue closed in July and the shareholding of PTS's major shareholder, Kwan Chee Seng (Non-Executive Director in PTS), increased to 22.8%.

**THOMSON FOLD BELT, NSW**

**Tongo, Yantabangee, Kanga, Mt Pleasant, Klondyke, Monolon, Tringadee, Pirillie, Laurel and Glendara, NSW – ELs 6630, 6631, 6909, 6668, 6664, 6646, 6850, 6851, 6721 and 6720, PlatSearch 100%, Minotaur can earn 80%**

Joint venture partner Minotaur Exploration Ltd is conducting an extensive exploration programme over 10 PlatSearch tenements in the Thomson Fold Belt in accordance with seven joint venture agreements. Minotaur can earn an initial 51% interest in each joint venture by spending \$1 million on each, with the option to earn 80% in a joint venture by taking a property to mine feasibility study. The principal targets of the joint ventures are Endeavor (formerly Elura) style lead-zinc-silver or Cobar-style copper-gold mineralisation.



**Figure 1 - PlatSearch and Minotaur tenements within the Thomson Fold Belt**

Since late 2007 Minotaur has completed nine rotary/core holes on eight prospects and spent in excess of \$1.3 million. As previously reported, results to date have been encouraging with the intersection of favourable host rocks at relatively shallow depths and indications (such as the presence of pyrrhotite and anomalous silver and tungsten values) that hydrothermal processes, potentially associated with precious or base metal deposits, have been active in the area.

In total, the PlatSearch-Minotaur JV controls about 2,230 sq km of the Thomson and, from modelling of recent DPI aeromagnetic data, has defined more than 20 targets worthy of drilling. Detailed ground magnetic and other geophysical surveys are being planned to improve resolution and delineation of the key geophysical anomalies prior to further drilling.

PlatSearch and Minotaur have now agreed to combine all joint venture tenements and their 100% owned tenements into a new entity, Thomson Resources Ltd and will now seek new funding to help fast track exploration into the region. Dependent on market conditions, an IPO is planned for 2010.

PlatSearch will maintain a significant ownership level in Thomson.

**CURNAMONA PROVINCE/BROKEN HILL, NSW AND SA**

**Mundi Plains, NSW – EL 6404, PlatSearch 49%, Teck 51% and can earn 80%**

**Junction Dam, SA – EL 3328, PlatSearch 39.2%, Eaglehawk 9.8%, Teck 51%**

A recently released SA Government geological interpretation has outlined the palaeochannel system within the Junction Dam tenement (EL 3328) that hosts the Honeymoon uranium deposit to the west. The Junction Dam tenement covers approximately 12 km of the palaeochannel (Figure 2), prospective for “sandstone-hosted” uranium mineralisation developed within reduced sediments sourced from the older Curnamona Craton rocks.

Good progress has now been made in securing a new joint venture partner to explore the uranium potential within the palaeochannel, with joint venture contract finalisation expected in the next quarter.

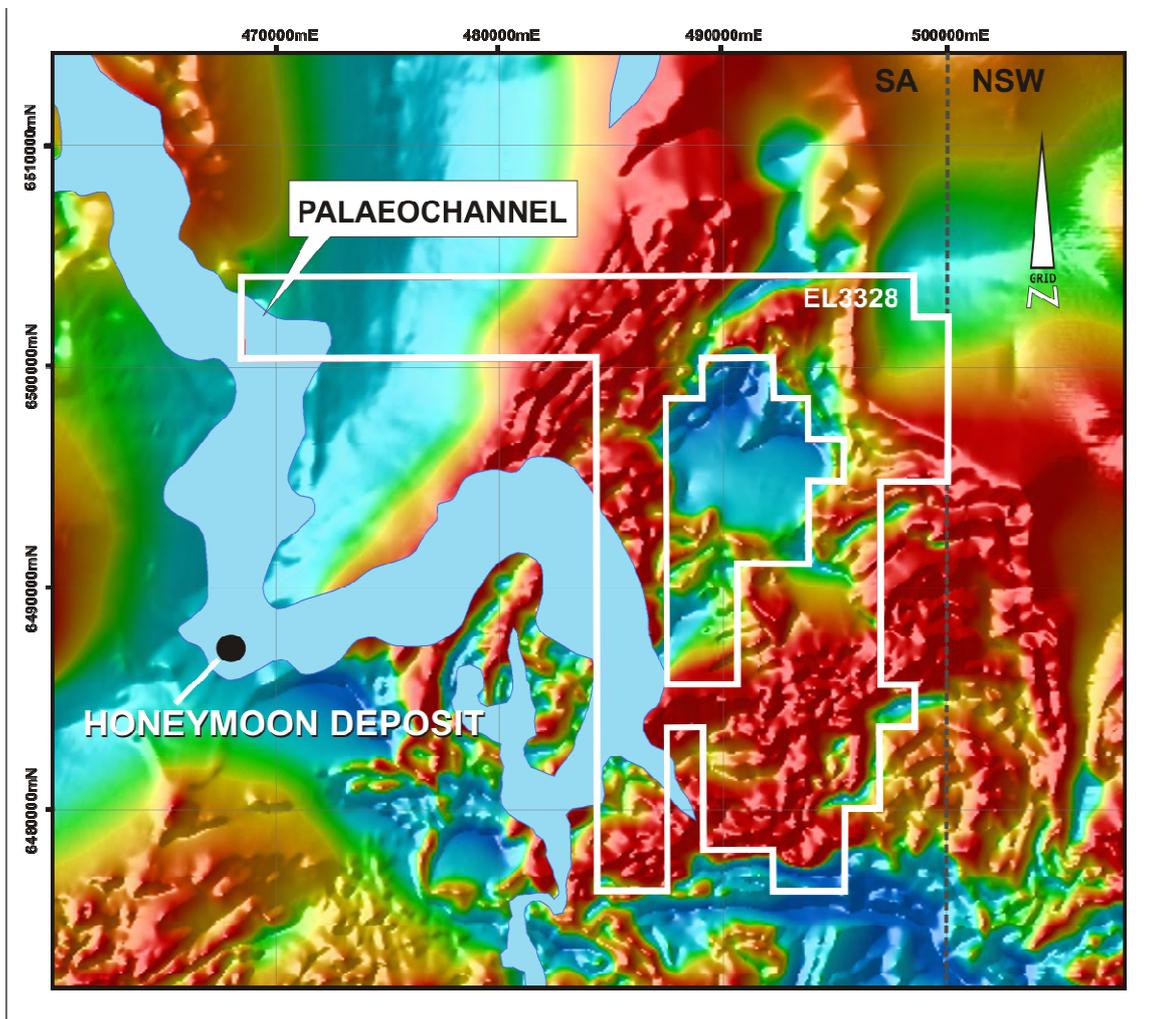
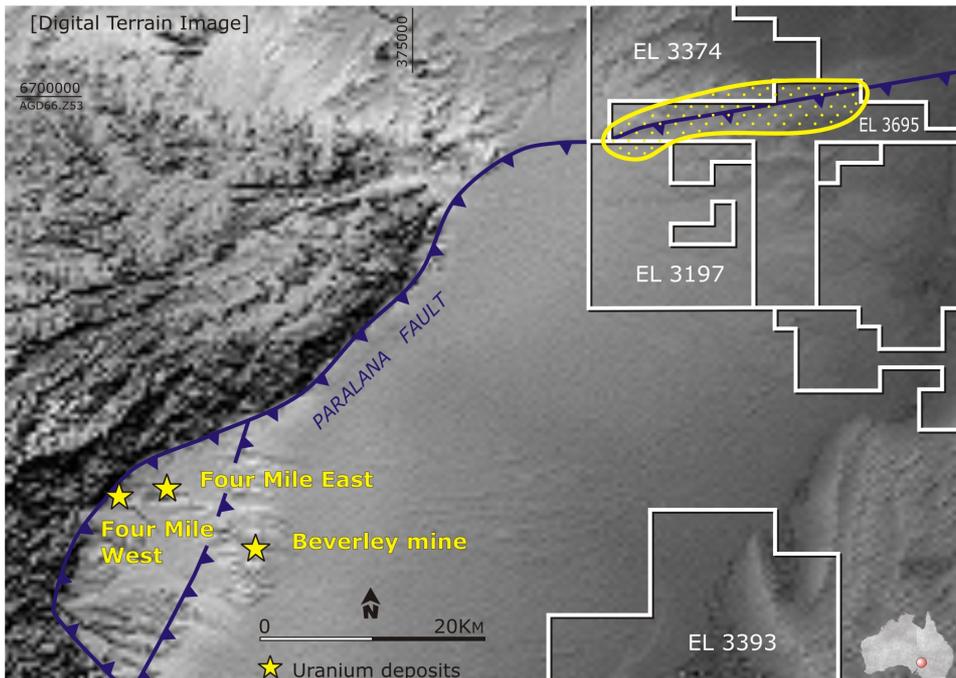


Figure 2 – Junction Dam Project: Palaeochannel within EL 3328

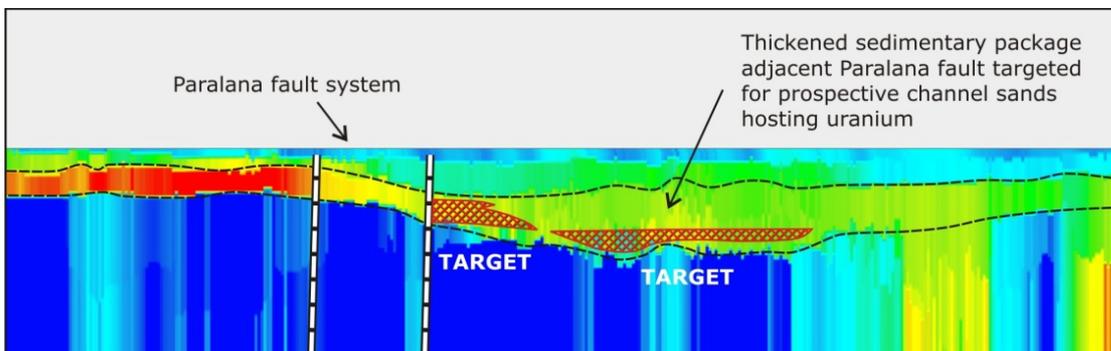
**Callabonna and Quinyambie, SA – EL 3695, PlatSearch 100%, Red Metal can earn 70%, EL 3197, PlatSearch 52.6%, a prospecting syndicate 47.4%, Red Metal can earn 70%**

Within the **Callabonna and Quinyambie** projects, Red Metal Ltd is targeting roll-front type uranium deposits hosted in Tertiary sedimentary sequences within the fertile Frome Sub-Basin containing the Beverley uranium mining operations and the Four Mile deposits (Figure 3).

Red Metal commenced an extensive drill programme in late July aiming to test a range of exciting new uranium drill targets generated from a recent high resolution airborne electro-magnetic data (REPTeM) survey. This survey outlined a number of distinctive and previously unrecognised faults which have been interpreted to play an important role in both the localisation of prospective Tertiary sand sequences and uranium mineralisation in the district (Figure 4).



**Figure 3 - Lakes Project: Digital terrain image showing interpreted extension of Paralana Fault into EL3695 and EL 3197 (after Red Metal Ltd)**



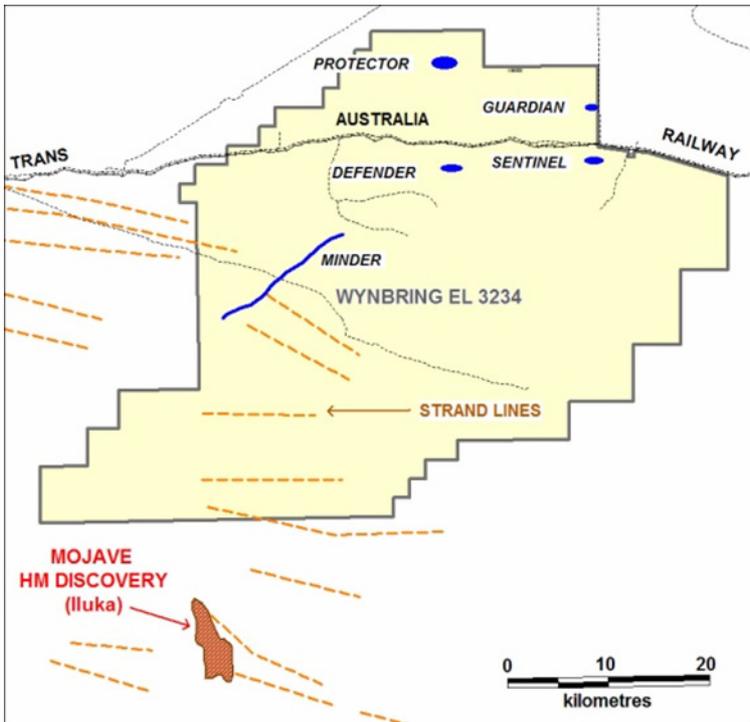
**Figure 4 - Lakes Project: REPTeM inversion section showing the interpreted thickened sedimentary package adjacent to the Paralana fault which is being targeted for prospective channels sand facies hosting uranium. The deep penetrating Paralana fault may also control the upward flow of uranium enriched basement fluids into the prospective sands units (after Red Metal Ltd)**

**GAWLER CRATON, SA**

**Wynbring, SA – EL 3234, PlatSearch 100%**

Substantial iron ore potential exists in the northern section of the EL. Previous work has defined four main prospects with banded iron formation (BIF) and supergene hematite potential, including the Defender prospect where detailed ground magnetics define a complex magnetic anomaly

extending over a strike length of approximately 1.4 kilometres. Previous RC drilling at Defender (Helix 1999-2000) intersected significant intervals of magnetite BIF (estimated true thickness of 18 - 20 metres).



**Figure 5 – Wynbring tenement, BIF prospects and interpreted strand lines**

Modelling work was completed over the known magnetic anomalies by PlatSearch during the quarter. The aim was to firm the interpretation of the BIF horizons and provide a sense of the likely size and tonnage of the targets.

Whilst not definitive, the work clearly outlined the potential of the BIFs for significant tonnages of material in close proximity to the Trans Australian railway and the justification for drilling into this prospective area.

Joint venture partners are being sought.

**LACHLAN FOLD BELT, NSW**

**Tinman, NSW – EL 7076, PlatSearch 100%**

Tinman is located to the south of one of Australia’s most important previous tin producers, the Ardlethan Mine, which produced tin until 2004. PlatSearch has identified an extensive network of palaeochannels near Bald Hill and recently completed a short (401 metre) shallow aircore programme to test the channels for their tin and iron contents. Assay results received have indicated low tin contents, but intervals of iron-rich maghemite. Work to assess the significance of the maghemite intersections is in progress.

**Bedrock, NSW – ELA 3696, PlatSearch 100%**

As part of its project generation activities, PlatSearch defined a new grass-roots gold exploration play, Bedrock, located in the central Lachlan Orogen, near West Wyalong. PlatSearch has applied for an exploration licence covering a number of old gold workings including the Bribbaree Mine and where regional magnetic data from the Department of Industry and Investment has defined a discrete anomaly. Modelling by PlatSearch has defined a narrow, pipe-like body located north of the old workings and south of the old BHP gold-in-soil geochemistry which may represent an intrusion-related gold target. Field work is planned once the licence is granted.

**NEW ENGLAND OROGEN, NSW**

**Kempsey/Gundle, NSW – EL 6813 and 6932, PlatSearch 100%**

The Kempsey project is located 40 km west of Kempsey in the New England Orogen (NEO). Mineralisation at Kempsey occurs in association with a belt of I-type granite intrusives, known elsewhere for intrusive-related gold (IRG), molybdenum, and tin mineralisation.

During the quarter PlatSearch conducted mapping and sampling field programmes amongst the Kempsey project’s mountainous and remote terrain.

Rockchip samples were collected from molybdenum-bearing, greissenous granite, sulphide-bearing stockworked vein systems associated with the Mt Jacob intrusive centre and chalcopyrite-bearing vein mineralisation. Assay results are pending.

PlatSearch also contracted an external firm to assess the IRG affinities of the main Mt Jacob intrusive centre and make recommendations for further work at other prospects.

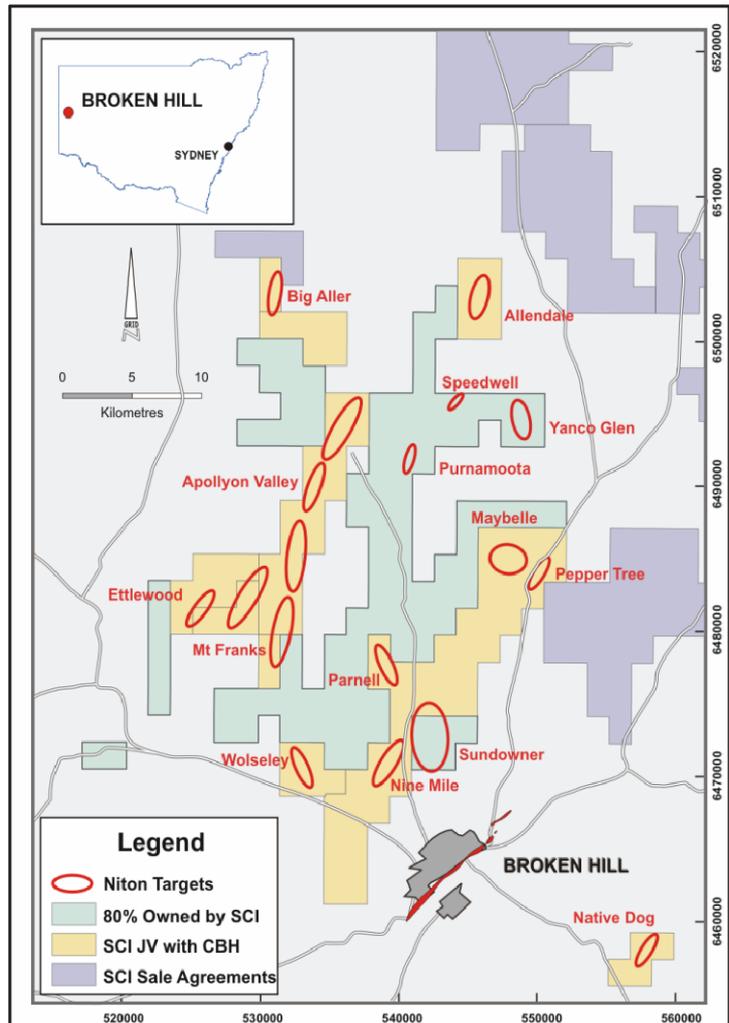
**SILVER CITY MINING LIMITED**

Exploration by **Silver City Mining Limited** (24.2% owned by PlatSearch) continued over its large tenement position within the Broken Hill block. As reported last quarter, Silver City recently signed a joint venture agreement with CBH Resources Limited (CBH) over a number of high quality exploration projects within the district. The CBH tenements lie close to the historic mining centre of Broken Hill in western NSW and are considered prospective for large Broken Hill Type lead-zinc-silver deposits and a variety of other base and precious metal mineralisation styles.

Much of Silver City’s latest work has centred on compiling and assessing data from the recently signed joint venture and reviewing prospects defined by the large Niton geochemical programme completed by CBH. Numerous targets have been outlined and work completed over the last three months has been extensive as the company works through and ranks its portfolio of targets to formulate its exploration programme for the coming year.

Work completed included:

- Detailed geological mapping at 1:1000 scale and rock chip sampling of Anomaly Hill (EL 6468) and Maybell (EL 6132) prospects.
- A helicopter supported gravity survey over the southern half of the Nightrider tenement (EL7228), north of Dome 5. This has been done in conjunction



**Figure 6 – SCI tenements and targets**

with a wider spaced programme run by the Department of Industry and Investment.

- Rock chip sampling and field checking on the Chloe (EL 6542) and Corona (EL 6489) tenements.
- Assessment and field checking for the Wolseley prospect (EL 5646), Razorback West (EL7203) and Jersey Lily area (EL6002).

**EASTERN IRON PROJECTS, NSW**

**Cobar East, Coolabah West, Oakvale, Quartermaine, Techno, Tottington, Wendoline, Shaun, Wallace, Gromit, Bimbella, Euabalong, McGraw, Flamingo and Preston, NSW – ELs 6710, 6711, 6706, 6953, 6954, 6956, 6957, 6958, 6959, 6960, 6671, 6672, 6961, 6952 and 6962, PlatSearch 20%, Eastern Iron 80%**

Eastern Iron’s exploration targets are large tonnage, easily extractable maghemite deposits in shallow palaeochannels close to public-access rail and road. Preliminary test work conducted by Eastern Iron has shown that gravels grading 15 - 20% iron in the ground can be upgraded to a concentrate of around 50% iron by a single pass through a low cost magnetic separator.

Eastern Iron has reported whilst no further drilling has been undertaken during the quarter, laboratory tests and assays continue.

Drilling was conducted in the Hutch joint venture area in the last quarter with broad zones of thick, iron-bearing palaeochannel sediments intersected. Interpretation of the Hutch joint venture drilling and assay results suggests that the channels are much deeper than the average depth of other channels tested to date. Although the average grade is lower in the areas drilled than other prospects, many kilometres of channel remain to be tested and the assays are seen as encouraging.

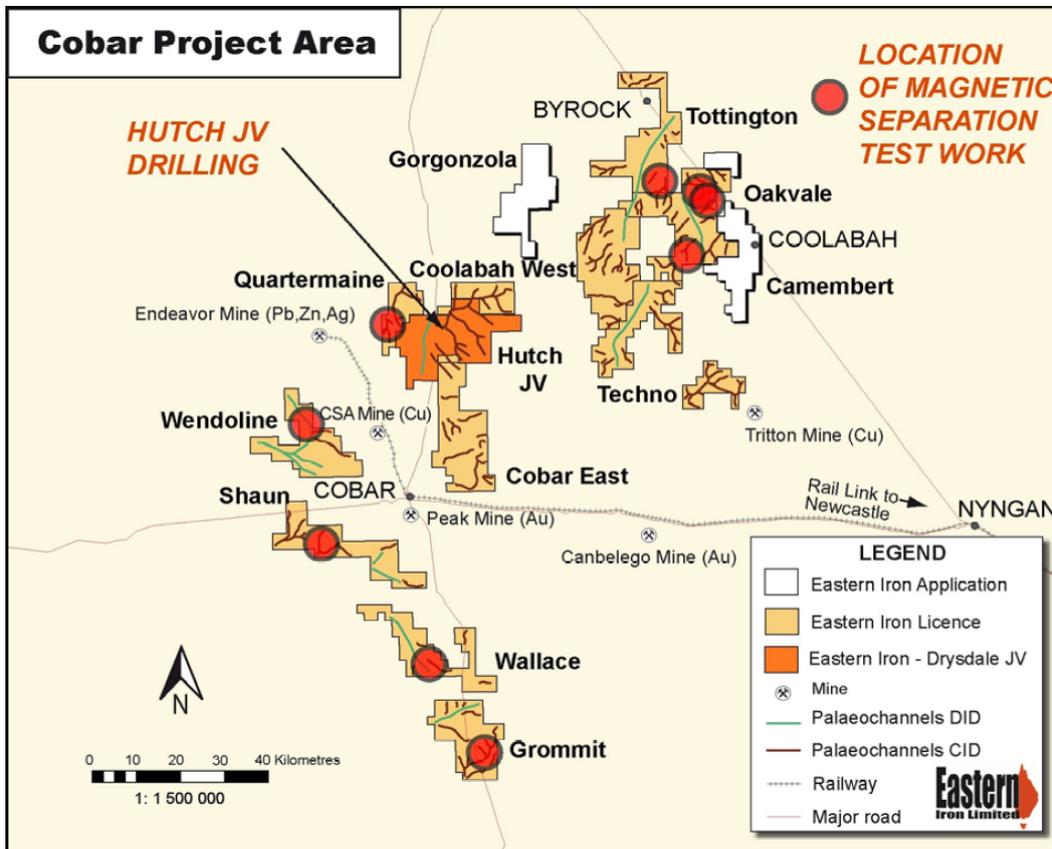


Figure 7 – EFE tenements and area of work

Eastern Iron has contracted a specialist resource group to commence resource estimation over Belah Tank and other areas. This will be used as part of a scoping study to assess the key attributes and potential mining/treatment options for Eastern Iron's CID deposits.

The Company has continued to evaluate a number of opportunities including potential joint ventures with several overseas groups interested in the Cobar and Main Line projects, whilst assessing further iron prospects close to infrastructure in eastern Australia.

PlatSearch holds 21,000,000 ordinary Eastern Iron shares (ASX Code: EFE), 10,500,000 EFE options (exercise price 12 cents and expiry date of 10 December 2010) and 5,000,000 EFE options (exercise price 35 cents and expiry date of 19 December 2012).

In addition to its shareholding in Eastern Iron, PlatSearch holds a 20% joint venture interest in the 15 tenements that Eastern Iron is exploring for iron ore, free-carried until the completion of a favourable feasibility study and then PlatSearch will contribute or may convert to a 2% NSR royalty interest.

More details regarding Eastern Iron can be obtained at [www.easterniron.com.au](http://www.easterniron.com.au).

### **WESTERN PLAINS RESOURCES LIMITED**

In early June Western Plains (WPG) reported that it executed agreements to form a 50:50 joint venture with Wugang Australian Resources Investment Pty Ltd, a subsidiary of Wuhan Iron & Steel (Group) Co (WISCO) to complete a feasibility study and, if positive, develop one or more of the six known magnetite deposits in the Hawks Nest tenements.

The agreements are subject to a number of conditions including approval by Australian and Chinese Government agencies. Two conditions have been satisfied recently. Firstly, WPG has executed a land access agreement for Hawks Nest with the relevant Native Title Claim Group. Secondly, the Department of Defence has agreed to extend Western Plain's Hawks Nest access agreement for a further six months. Separately, the Commonwealth has agreed to the construction of a pipeline from water bores at Hawks Nest for use in the Peculiar Knob mining operation.

These approvals are regarded as encouraging signs of the willingness by the Commonwealth Government to assist Western Plains in its endeavours.

Western Plains is in discussion with Department of Defence about project issues including the siting of infrastructure facilities at Peculiar Knob.

In June, WPG completed a private share placement which raised \$3.65 million. It also completed a non-renounceable rights issue (which closed on 14 July 2009), raising a further \$1.95 million. PlatSearch participated in the rights issue and will subscribe for an additional placement planned for early August, after shareholder approvals, for a total investment of \$441,000 and PlatSearch will maintain a 7.9% interest in Western Plains.

There have been no new significant developments on Port Bonython. Western Plains has continued to pursue innovative solutions to provide short term port access prior to the construction of Port Bonython.

PlatSearch holds 6.916 million Western Plains Resources Ltd (ASX Code: WPG) ordinary shares, 1.375 million options exercisable at \$0.25 and 3.475 million options exercisable at \$0.35. As at 30 July 2009 WPG shares were trading at \$0.34.

For further details regarding progress on Western Plain's projects please refer to WPG's ASX announcements and to its website [www.westernplainsresources.com.au](http://www.westernplainsresources.com.au).

## CHESSER RESOURCES LIMITED

Chesser Resources (ASX Code: CHZ) is exploring for gold deposits in the Tethyan Belt in Turkey. The company is earning an interest in a number of projects, the most advanced of which include the potentially heap-leachable Sisorta high sulphidation, epithermal gold deposit and the high grade Kestanelik epithermal vein deposit. During the quarter Chesser announced an initial resource of 303,000 ounces for Sisorta, with good potential for expansion. Chesser is planning to carry out a scoping study on the amenability of Sisorta for a small scale heap leach operation.

During the quarter Chesser completed a \$2.3 million placement to fund additional exploration drilling into its projects. PlatSearch is supportive of this work and decided to contribute to the placement by investing \$100,000 (at \$0.08 per share) in the company and increasing its total shareholding to 1.75 million shares. In addition, PlatSearch holds 2 million options exercisable at \$0.35. At 30 July 2009 CHZ shares were trading at \$0.10.

## FINANCIAL

On 28 July 2009 PTS completed a five for six renounceable Rights Issue of 79,676,200 new shares at 5 cents which raised \$3,983,810 (before expenses). This was part of its plan to secure funding to more rapidly progress its exploration and project assessment work. The issue closed on 14 July and was extremely well supported. One of PlatSearch's major shareholders, Kwan Chee Seng (a Non-Executive Director in PTS), was one of a number of sub-underwriters to the rights issue, and following the finalisation of the issue, increased his total shareholding in the Company to 22.8%.

Cash expenditure by PlatSearch on exploration for the quarter was \$150,000. Expenditure by joint venturers on the Company's projects was \$163,000 for the quarter. Cash funds available at 30 June 2009 were \$852,000. The Company has no borrowings.

## Top 10 Shareholders of Fully Paid Ordinary Shares as at 29 July 2009

	Shares	% Shares issued
Kwan Chee Seng	22,430,164	12.80
DMG & Partners Securities Pte Ltd	17,516,239	9.99
UOB Kay Hian Private Limited	11,280,445	6.44
Minotaur Resources Investments Pty Ltd	8,750,000	4.99
Mr Xiangjun Zhang	8,000,000	4.56
Viking Investments Limited	7,756,676	4.43
Mr Chris Carr and Mrs Betsy Carr	5,500,000	3.14
Warman Investments Pty Ltd	4,864,019	2.77
Mr Robert Lewis Richardson and Ms Susanne Brint	3,350,760	1.91
State One Nominees Pty Ltd	2,933,334	1.67
<b>TOTAL</b>	<b>92,381,637</b>	<b>52.70*</b>

\* Percentage of total issued shares

PLATSEARCH NL



**Greg Jones**  
 Managing Director

*The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Greg Jones, BSc (Hons), who is a member of the Australasian Institute of Mining and Metallurgy. Mr Jones is a Director of PlatSearch NL and 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 Jones consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.*

<p><b>CORPORATE INFORMATION</b></p> <p>ABN: 16 003 254 395                  Level 1, 80 Chandos Street                  St Leonards NSW 2065                  PO Box 956 Crows Nest NSW 1585                  T: (+612) 9906 5220                  F: (+612) 9906 5233                  E: pts@platsearch.com.au                  W: <a href="http://www.platsearch.com.au">www.platsearch.com.au</a></p> <p><b>ASX Code - PTS</b></p>	<p><b>DIRECTORS</b></p> <p>Pat Elliott (Non-Executive Chairman)                  Greg Jones (Managing Director)                  Robert Waring (Finance Director and Company Secretary)                  Kwan Chee Seng (Non-Executive Director)                  Bob Richardson (Non-Executive Director)</p> <p><b>Issued Capital</b></p> <p>At 29 July 175,287,592 fully paid ordinary shares (held by 1,313 shareholders), 450,000 ordinary shares partly paid to 1 cent and 6,860,000 options issued under the Employee Share Option Plan.</p>
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