



28th July 2016

Zenith Secures Additional Lithium Prospective Tenure near Mt Holland Lithium Discovery

- Zenith cements its position as a significant landholder in the emerging Mt Holland lithium district with three additional 100% owned exploration licence applications adjoining its initial Split Rocks application;
- Tenure now covers 480 square kilometres and contains multiple segments of the lithium prospective Forrestania Greenstone Belt, with potential strike extensions to the new Mt Holland lithium project as described in recent Kidman Resources Limited announcements, including an area approximately 2km x 500m immediately adjoining Kidman's Van Uden North lithium target;
- Ongoing review of previous exploration activity has to date found several references in historic mapping and limited shallow gold focused drilling to pegmatites within the new Zenith application areas that may be potential hosts to lithium mineralisation. Once the distribution of the pegmatite bodies in Zenith's applications have been compiled this will be the subject of a future ASX release;
- Zenith's geologists believe that the new application areas are prospective for lithium and gold mineralisation; and
- Initial surface mapping and surface sampling to precede planned drill testing.

Zenith Minerals Limited ("Zenith" or "the Company") is pleased to advise that it has secured three additional new 100% owned exploration licence applications at Split Rocks in the Forrestania Greenstone Belt of Western Australia, expanding its landholding to 480 square kilometres. As announced to the ASX on the 25th July 2016, Zenith applied for an initial exploration licence at Split Rocks in early March 2016 following the recognition by the Company that the region contained lithium enriched granites, that application was subsequently replaced by the four current licences over a much expanded area following the announcement by Western Areas Limited (ASX quarterly report released 22nd April 2016) of lithium mineralisation in drilling at Mt Hope and South Ironcap in the Forrestania Belt, and Kidman Resources Limited's recent lithium announcements.

The Split Rocks licences are located 10km northwest of the new Earl Grey lithium pegmatite discovery announced by Kidman Resources Limited (ASX release 15th July 2016) where reported drill intercepts include: 52m @ 1.53% Li₂O and 45m @ 1.81% Li₂O. A new licence application is also located immediately north along the interpreted strike of the Van Uden-Tasman pegmatites identified by Kidman as high-priority lithium targets (Figure 1).

Compilation of historic exploration activity over the licence area is ongoing but to date has found several references in historic mapping and shallow gold focused drilling to pegmatites within the new Zenith application areas that may be potential hosts to

Corporate Details

ASX: ZNC

Issued Shares (ZNC)	172.9 m
Listed options (ZNCO)	22.1 m
Unlisted options	1.1 m
Mkt. Cap. (\$0.10)	A\$ 17.9m
Cash 31 st Mar 16	A\$1.9M
Debt	Nil

Directors

Michael Clifford:
Managing Director

Mike Joyce:
Non Exec Chairman

Stan Macdonald:
Non Exec Director

Julian Goldsworthy:
Non Exec Director

Major Shareholders

City Corp Nom	7.09%
HSBC Custody, Nom.	6.66%
Granich	6.12%
GDR PL	4.27%
Miquilini	3.49%

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lithium mineralisation. Once the distribution of the pegmatite bodies in Zenith's applications have been compiled this will be the subject of a future ASX release.

The Company notes that the majority of previous exploration activity reviewed to date is surface sampling focused solely on gold exploration, with no evidence of any lithium analyses during past exploration programs, nor any significant bedrock drilling programs.

Zenith's geologists believe that the new application areas are highly prospective for lithium as well as gold mineralisation. The Forrestania Greenstone Belt is intruded by abundant pegmatite dykes, many of which are now being shown to be lithium (spodumene) rich.

Following completion of the review of past exploration, initial surface mapping and sampling is planned prior to drill testing.

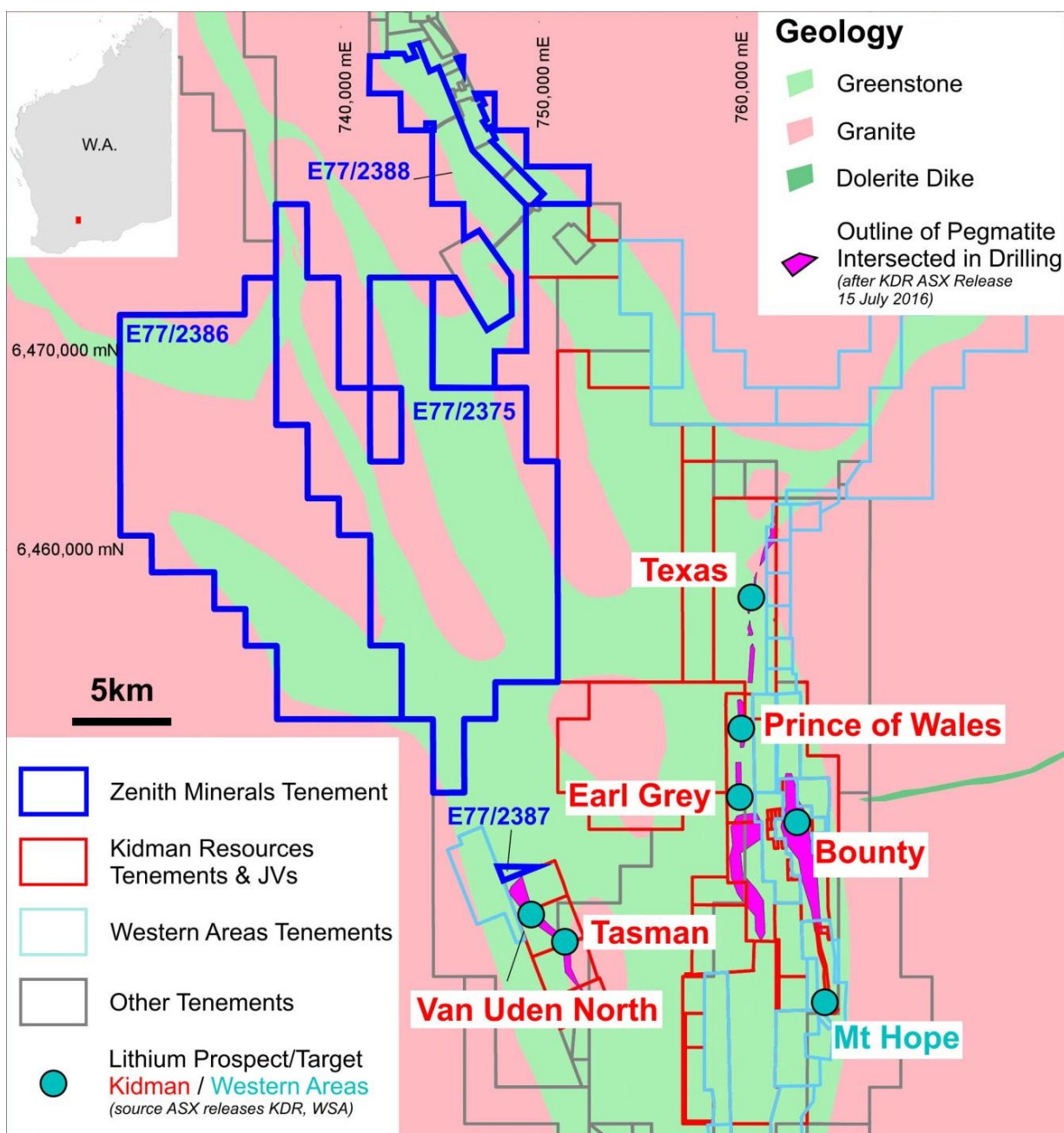


Figure 1: Updated Split Rocks Project Lithium Targets and Tenure



Competent Persons Statement

The information in this report that relates to Exploration Results is based on information compiled by Mr Michael Clifford, who is a Member of the Australian Institute of Geoscientists and an employee of Zenith Minerals Limited. Mr Clifford 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 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Clifford consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

28th July 2016

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About Zenith

Zenith is advancing its project portfolio of high-quality, gold, lithium and base metal projects whilst building a superior project base of high-quality advanced exploration assets:

San Domingo Lithium, Arizona USA (ZNC 100%)

- 9km x 1.5km lithium pegmatite field, initial surface sampling returned: 5m @ 1.97%Li₂O including 2.4m @ 2.49% Li₂O
- Surface sampling in progress

Kavaklitepe Gold Project, Turkey (Teck earning 70%)

- Recent (2013) grass roots gold discovery in Tethyan Belt
- Large, virtually drill-ready, high order gold soil / IP anomaly >1km strike
- Rock chip traverses to 54m @ 3.33g/t gold, including 21.5m @ 7.2 g/t gold
- Drilling in progress

Develin Creek Copper-Zinc-Silver-Gold, QLD (ZNC 51%)

- 3 known VHMS massive sulphide deposits with JORC resources, 50km of strike of host volcanics
- 2011 drilling outside resource; 13.2 metres @ 3.3% copper, 4.0% zinc, 30g/t silver and 0.4g/t gold
- Drilling to extend known deposits, geophysics, geochemistry to detect new targets

Mt Minnie Gold Project, WA (ZNC 100%)

- Major regional fault. Alteration, geochemistry, rock samples to 21.5 g/t Au
- Drill testing planned 2016

Earaheedy Manganese Project, WA (ZNC 100%)

- New manganese province discovered by ZNC, potential DSO drill intersections (+40%Mn)

Mt Alexander Iron Ore, WA (ZNC 100%)

- JORC magnetite Resource 566 Mt @ 30.0% Fe close to West Pilbara coast, 50% of target untested.
- Seeking development partner/ buyer for iron project

Other

- Evaluating new lithium project opportunities