



## LION ONE ANNOUNCES INITIAL RESOURCE ESTIMATE FOR OLARY IRON PROJECT IN SOUTH AUSTRALIA

North Vancouver, B.C., March 6, 2014. Lion One Metals Limited (TSX-V: LIO) (FSE: LY1) (LOMLF: OTCQX) (ASX: LLO) (“Lion One” or the “Company”) is pleased to announce the results of the initial National Instrument (NI) 43-101 Mineral Resource Estimate (the “estimate”) for the Olary Iron Project in Braemar Iron Province, South Australia.

The technical report “Olary Iron Project Mineral Resource Estimate, South Australia” (the report”) was commissioned by the Company’s joint venture partner Yukuang Australia (WA) Resources Pty Ltd (“Yukuang”) and prepared by SRK Consulting Australasia Pty Ltd (“SRK”) in support of a listing application on the Singapore Stock Exchange. The report has been filed on the SEDAR website at [www.sedar.com](http://www.sedar.com). Highlights of the estimate include:

**Indicated mineral resources of 214 million tonnes at 26.3% iron**  
**Inferred mineral resources of 296 million tonnes at 26.4% iron**

Olary Iron Project Resource Estimate Summary									
Category	Tonnage	Fe %	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	LOI%	S%	P%	DTR%	Density
Indicated	214,000,000	26.3	40.8	6.9	3.9	0.029	0.24	26.4	3.12
Inferred	296,000,000	26.4	41.3	6.9	3.7	0.027	0.25	27.3	3.10

*Table 1: Summary of Olary Iron Project Resource Estimate using cutoff grade of 20% Fe*

Category	Concentrate Tonnage	DTR Concentrate Grades					
		Fe %	SiO <sub>2</sub> %	Al <sub>2</sub> O <sub>3</sub> %	LOI%	S%	P%
Indicated	57,000,000	69.6	2.9	0.3	-3.1	0.008	0.01
Inferred	81,000,000	69.8	2.6	0.2	-3.1	0.009	0.008

*Table 2: Davis Tube Recovery (DTR) test results and Fe content for the magnetic concentrate for composite RC and Diamond drillhole samples at grind size of 38 microns and 10% DTR cut-off grade*

### Olary Iron Joint Venture

Lion One holds a 47% interest in the Project, comprising a 22% optional contributing interest and a 25% interest free carried to the completion of a bankable feasibility study and decision to mine. Lion One’s 25% free carried interest is convertible on a decision to mine to a 2% FOB royalty, or a 1% FOB royalty with a \$.50 per tonne production royalty.

Yukuang is an affiliated enterprise of the Henan Provincial Bureau of Geo-exploration and Mineral Development, a state-owned mining and mineral exploration company with corporate headquarters in Zhengzhou, Peoples’ Republic of China. Yukuang has earned a 53% interest in the Project’s iron rights through a farm-in agreement with Lion One Australia Pty Ltd. Total joint venture expenditures to date exceed AUD\$7 million.

### Olary Resource Estimate

The estimate is based on assay results from 55 diamond and reverse circulation drill holes totalling 16,281 meters drilled on the northern end of the target zone on the Olary Property. Iron mineralization on the Olary Creek Property is related to ironstones of the Braemar Iron Formation, a regional magnetite belt extending approximately 180 km through eastern South Australia. To-date only one-third of the 7km strike length of the Olary iron target zone has been drilled and the deposit remains open for expansion.

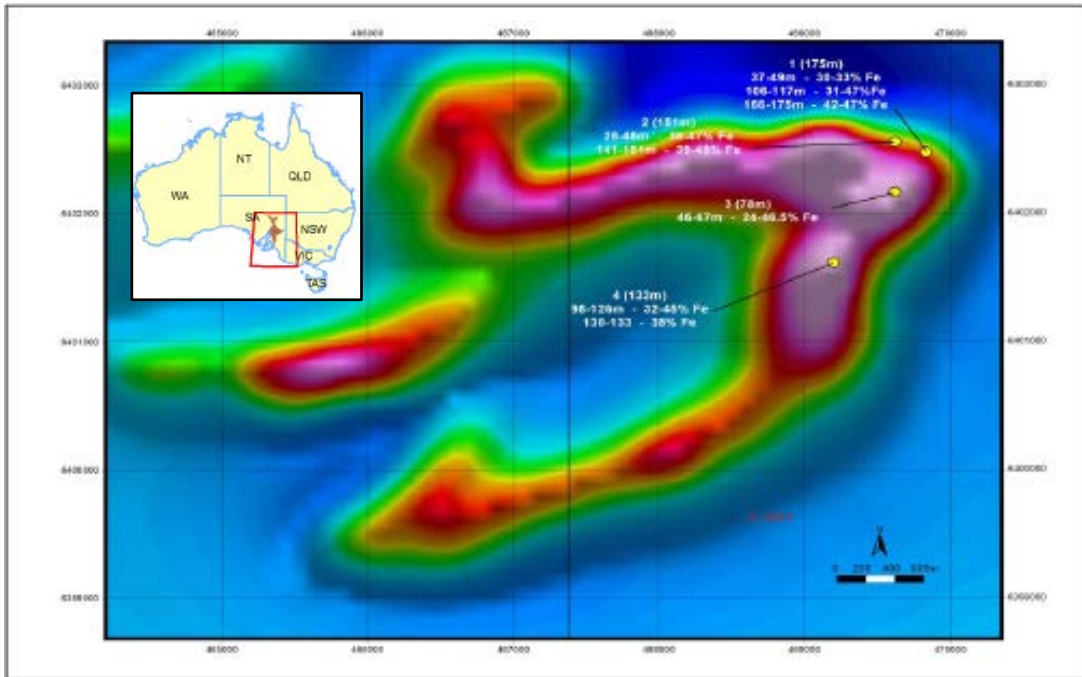


Diagram1: Olary Iron Project: Drilling Locations Targeting Magnetic Anomalies

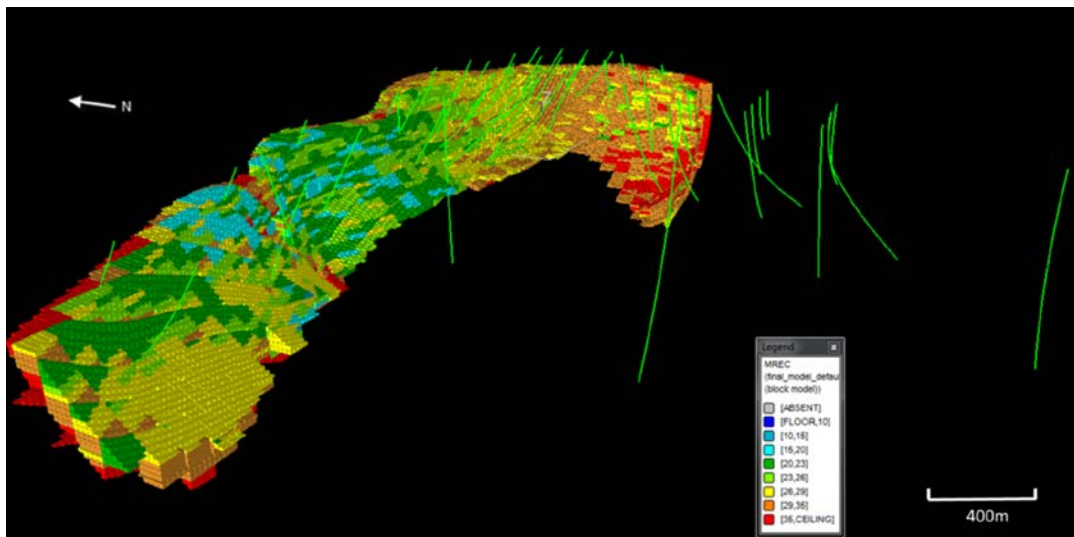


Diagram 2: Estimated Resource Blocks – Oblique NE View



### **Sample Preparation**

Sample preparation was undertaken by ALS in Adelaide and assay analyses were undertaken by ALS in Perth. Drillhole logs were generated for lithology, structure and geotechnical information. The median core and RC sample interval was 3.0 m, representing 41% and 71% of samples respectively. Samples were assayed for total analysis and by DTR using XRF and were assayed for 25 elements and compounds. A total of 266 samples were laboratory measured for bulk density from 4 drillholes. 75% of drillholes were downhole surveyed for bulk density and a regression was determined by comparing with the laboratory bulk densities. SRK maintained regular contact with ALS and reviewed their sample preparation and analytical procedures for total concentration, DTR and bulk density tests.

### **Qualified Persons**

Mr. Paul Francis Hunter, MSc, MAusIMM(CP), Principal Consultant, SRK Australasia, and Mr. Daniel Jasper Kentwell, MSc, FAusIMM, Principal Consultant, of SRK Australasia are Qualified Persons as defined by NI 43-101 and are responsible for the estimate. They have reviewed, verified, and approved the technical information in this news release, and the underlying sample, analytical, and test data. The estimate is classified as an indicated or inferred mineral resource according to CIM Definitions under NI 43-101. Mineral resources are not mineral reserves and have no demonstrated economic viability. The Company is not aware of any environmental, permitting, legal, title, taxation, socio-political, or other issues that may materially affect its estimate of mineral resources. There has been no additional exploration activity that is material to the estimate since the completion date of the SRK estimate.

The information contained in this release has been reviewed and approved by Rob McLeod, P.Geo, a consultant to the Company and a Qualified Person as defined by NI 43-101.

### **Competent Person Statement**

The information in this report that relates to Exploration Results and Mineral Resources is based on information compiled by Mr. Stephen Mann, who is a Member of the Australian Institute of Mining and Metallurgy (AUSIMM). Mr. Mann has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which the Company 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" (JORC Code). Mr. Mann is a director of Lion One Metals Limited and consents to the inclusion of the information in this announcement in the form and context in which it appears.

Additional information including tables, cross-sections, and plan maps will be available shortly on the Company website at [www.liononemetals.com](http://www.liononemetals.com).



## About Lion One Metals Limited

Lion One Metals Limited is a Canadian resource company focused on the acquisition, exploration and development of mineral projects worldwide. The Company is focused on advancing the Tuvatu Gold Project in Fiji, the Olary Creek Iron Ore Project in South Australia, and additional exploration-stage projects in Fiji, Australia, and Argentina.

### On Behalf of the Board of Directors

“Walter H. Berukoff”  
Chairman of the Board  
Lion One Metals Limited  
[www.liononemetals.com](http://www.liononemetals.com)

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