

**Deep Yellow**  
Limited

***Paydirt's 2013  
Uranium Conference***

**Adelaide, 29 April 2013**

**Greg Cochran – Managing Director**

**ASX: DYL**

**[www.deepyellow.com.au](http://www.deepyellow.com.au)**



# Disclaimer



This document has been prepared by Deep Yellow Limited (Deep Yellow, DYL or the Company) in connection with providing an overview to interested analysts and investors.

This presentation is being provided for the sole purpose of providing information to enable recipients to review the business activities of Deep Yellow. This presentation is thus by its nature limited in scope and is not intended to provide all available information regarding Deep Yellow. This presentation is not intended as an offer, invitation, solicitation, or recommendation with respect to the purchase or sale of any securities. This presentation should not be relied upon as a representation of any matter that a potential investor should consider in evaluating Deep Yellow.

Deep Yellow and its affiliates, subsidiaries, directors, agents, officers, advisers or employees do not make any representation or warranty, express or implied, as to or endorsement of, the accuracy or completeness of any information, statements, representations or forecasts contained in this presentation, and they do not accept any liability or responsibility for any statement made in, or omitted from, this presentation. Deep Yellow accepts no obligation to correct or update anything in this presentation.

No responsibility or liability is accepted and any and all responsibility and liability is expressly disclaimed by Deep Yellow and its affiliates, subsidiaries, directors, agents, officers, advisers or employees for any errors, misstatements, misrepresentations in or omissions from this presentation.

Any statements, estimates, forecasts or projections with respect to the future performance of Deep Yellow and/or its subsidiaries contained in this presentation are based on subjective assumptions made by Deep Yellow's management and about circumstances and events that have not yet taken place. Such statements, estimates, forecasts and projections involve significant elements of subjective judgement and analysis which, whilst reasonably formulated, cannot be guaranteed to occur. Accordingly, no representations are made by Deep Yellow or its affiliates, subsidiaries, directors, officers, agents, advisers or employees as to the accuracy of such information; such statements, estimates, forecasts and projections should not be relied upon as indicative of future value or as a guaranteed of value or future results; and there can be no assurance that the projected results will be achieved.

Prospective investors should make their own independent evaluation of an investment in Deep Yellow.

Nothing in this presentation should be construed as financial product advice, whether personal or general, for the purposes of section 766B of the Corporations Act 2001 (Cth). This presentation consists purely of factual information and does not involve or imply a recommendation or a statement of opinion in respect of whether to buy, sell or hold a financial product. This presentation does not take into account the objectives, financial situation or needs of any person, and independent personal advice should be obtained.

This presentation and its contents have been made available in confidence and may not be reproduced, or disclosed to third parties or made public in any way without the express written permission of Deep Yellow.

# Presentation Overview



- ✱ Corporate Snapshot
- ✱ Market
- ✱ Investment Rationale
- ✱ Uranium in Namibia
- ✱ Omahola Project
- ✱ Namibian Portfolio





## ***The Board***

<b>Mervyn Greene</b>	Chairman
<b>Greg Cochran</b>	Managing Director
<b>Martin Kavanagh</b>	Executive Director
<b>Gillian Swaby</b>	N.E.D
<b>Rudolf Brunovs</b>	N.E.D (Independent)
<b>Christophe Urtel</b>	N.E.D
<b>Tim Netscher</b>	N.E.D (Independent)

## ***Executives & Management***

<b>Greg Cochran</b>	Managing Director
<b>Martin Kavanagh</b>	Executive Director
<b>Peter Christians</b>	Country Manager: Namibia
<b>Ursula Pretorius</b>	Financial Controller
<b>Klaus Frielingsdorf</b>	GM: Technical
<b>Katrin Kärner</b>	Exploration Manager

## ***Capital Structure – as at 25 Mar 2013***

<b>Shares on Issue</b>	1,560.7 M
<b>Performance Rights</b>	16.837 M
<b>Market Cap (@ 5.0c)</b>	~ AUD78 M
<b>Net Cash</b>	~AUD6 M
<b>Major shareholders:</b>	
<b>Paladin Energy Limited</b>	19.50%
<b>Laurium L.P. Fund</b>	9.92%
<b>Raptor Partners Limited</b>	8.29%







## Strong demand, underpinned by:

- Growth in China, Russia, India and Korea
- New entrants, primarily in the Middle East (UAE, Saudi Arabia, Turkey)
- Sustained demand from existing players (USA, France, UK)
- Japanese restarts by end 2013

## Supply constrained, primarily because:

- Deferred Projects: Inadequate incentive prices, capital scarcity
- Failed Projects: Uranium mines can be technically challenging
- Existing Producers: Operational issues, tight margins
- Secondary Supply: HEU demise end 2013 to prompt step change?

## *Implications*

- Supply-Demand: Gap to grow rapidly post 2014
- Strategic Players: Acquiring projects and companies at equity premium
- Utilities: Securing long term supply
- Price Recovery: Matter of when, not if....

***Market fundamentals strengthening on every measure***

# Investment Rationale



## *Clear Focus*

- ✱ Omahola is Namibia's last independently held high grade alaskite project
- ✱ Divesting Australian portfolio and joint venture non-core projects
- ✱ Seeking to retain longer term optionality

## *Favourable Location*

- ✱ Namibia is a proven uranium mining jurisdiction
- ✱ Projects easily accessible with flat topography and limited flora
- ✱ Close to existing infrastructure

## *High Grade Alaskite Resource*

- ✱ Omahola is located within Namibia's "Alaskite Alley"
- ✱ Average resource grade of 420ppm (cut off of 250ppm)
- ✱ Shallow resource base, open pitable

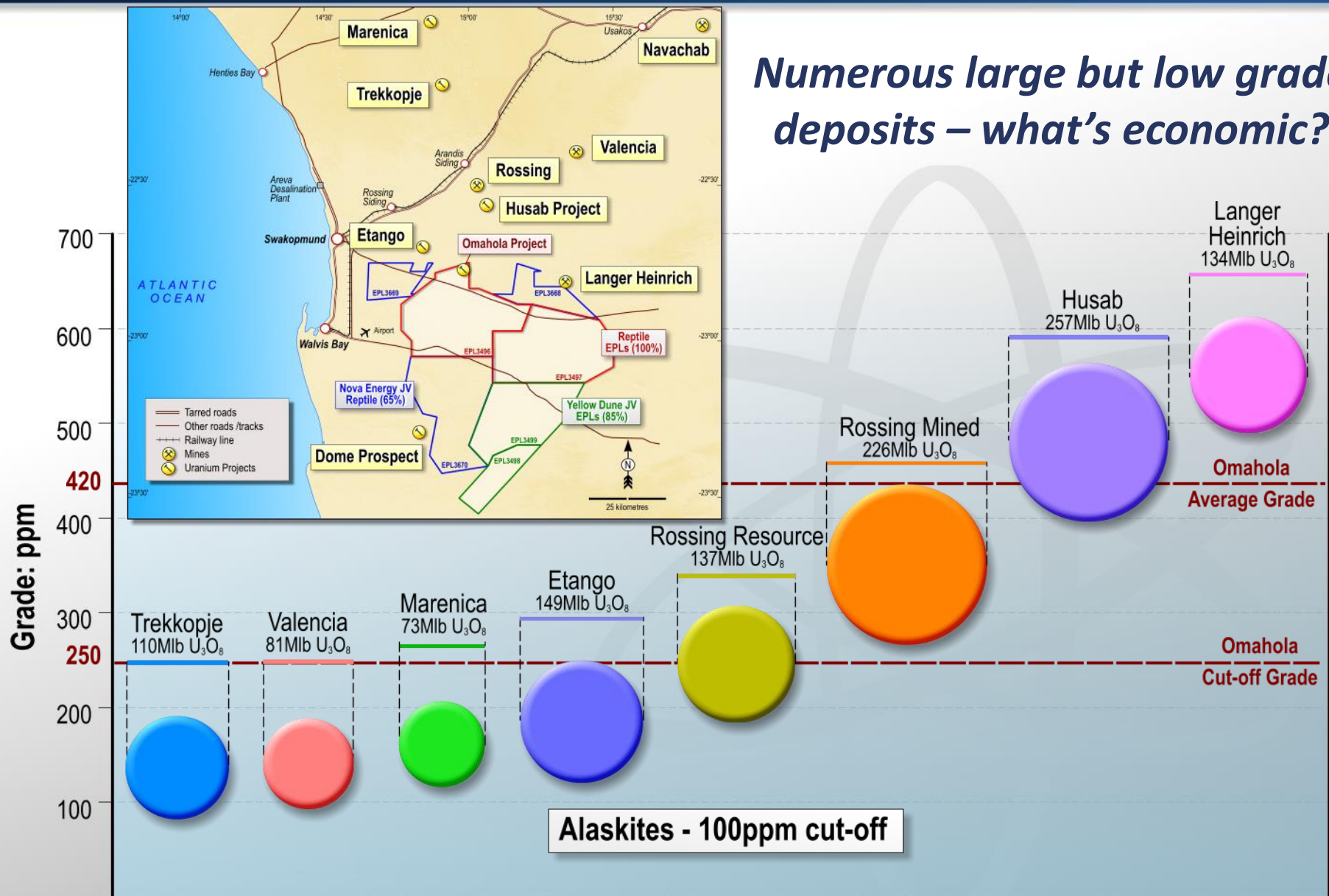
## *Expanding Resource Base*

- ✱ Omahola resource recently increased to 45 Mlbs, targeting 50 Mlbs
- ✱ Further upside from current exploration targets
- ✱ High level of confidence in existing resource base

## *Proven Operational Delivery*

- ✱ Experienced management team – developing broader capability
- ✱ Delivery of exploration success highlights technical expertise
- ✱ Strong permitting record (3 environmental clearances, 1 mining license)

# Uranium in Namibia: Grade is critical



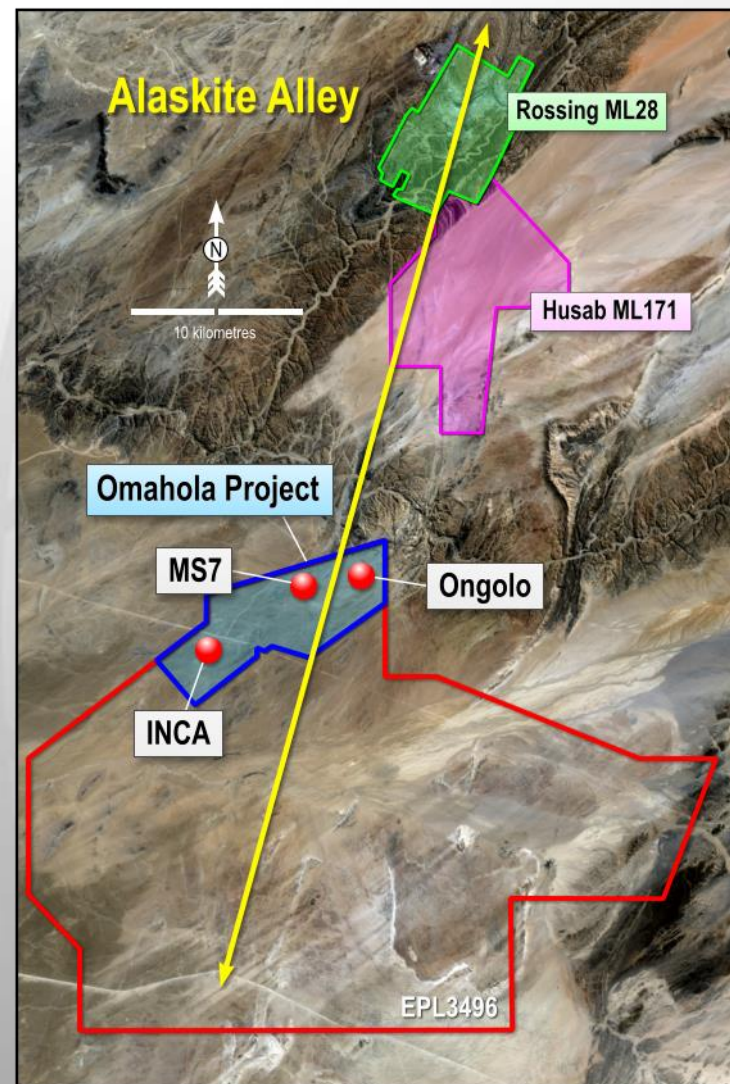
# Omahola Project: Overview



***JORC Resource: 48.7 Mt at 420 ppm for 45.1 Mlbs U<sub>3</sub>O<sub>8</sub>***

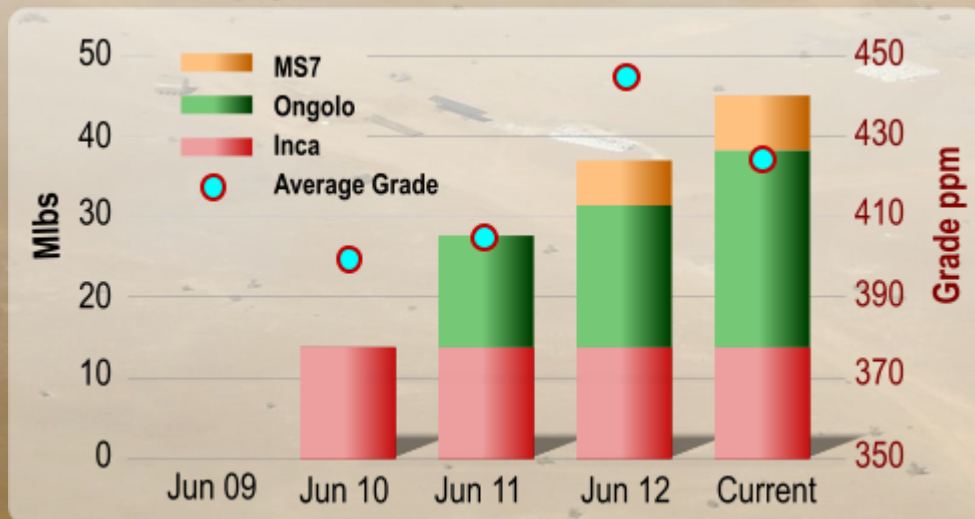
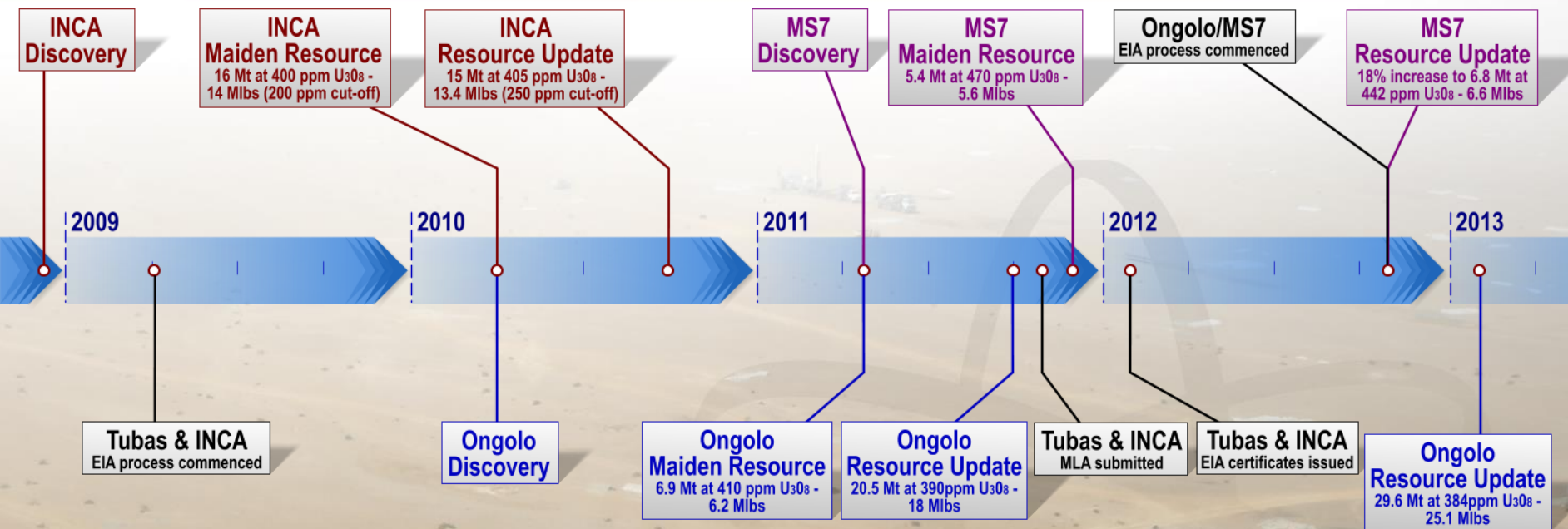
- ✱ Located in Namibia's "Alaskite Alley"
- ✱ Higher grade deposits associated with Chuos Formation marbles and skarns within the alley (Rossing and Husab)
- ✱ Multiple deposits to feed one plant:
  - **Ongolo and MS7** – high grade alaskite hosted mineralisation
  - **INCA** – alaskite and unique high grade uranium, magnetite and pyrite mineralisation
- ✱ Growing resource base

- ✱ Short Term Objective: Achieve **50 Mlbs U<sub>3</sub>O<sub>8</sub>** Resource for "critical mass" then PFS
- ✱ Long Term Objective: Mine producing at least **2.2 Mlbs per year U<sub>3</sub>O<sub>8</sub>** commencing in **2016**

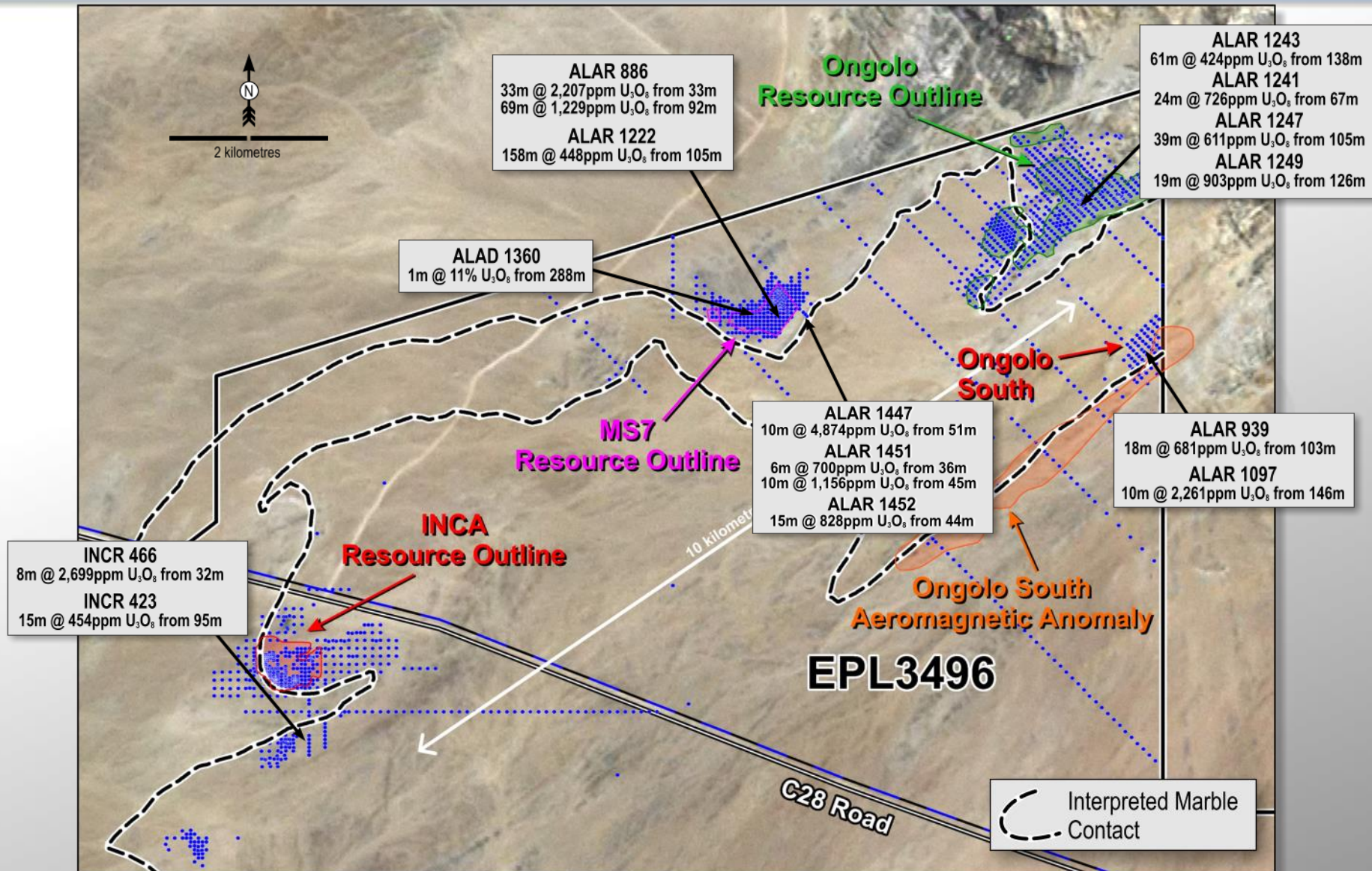




# Omahola Project: Consistent Progress



# Omahola Project: Exploration Success...



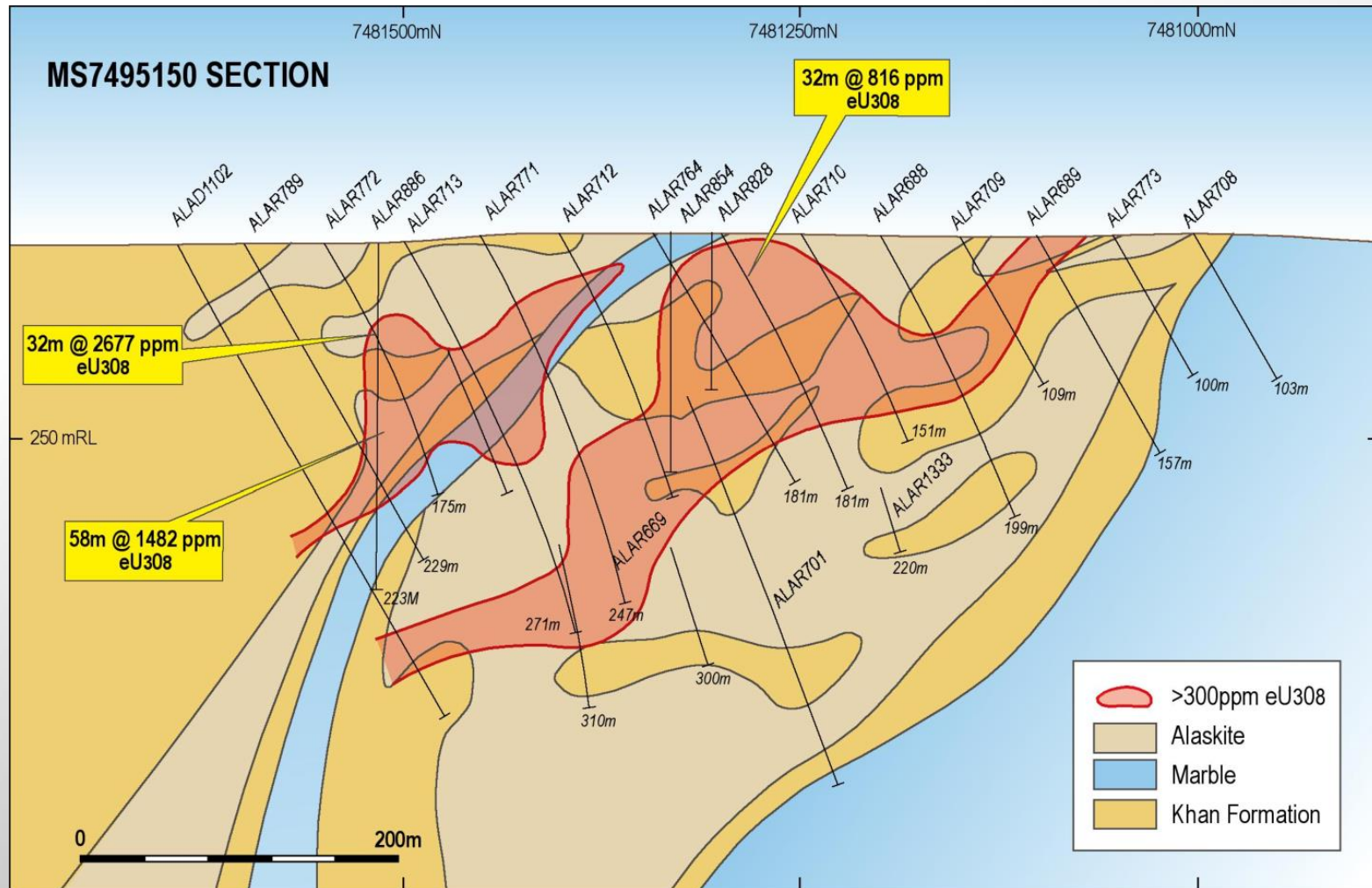
*...has rapidly grown the resource base...*



# Omahola Project: MS7 Section



***Typical section showing shallow high grade mineralisation in lower grade alaskite envelope...***



***Demonstrates the potential for small pre-strip and low strip ratio***

# Omahola Project: Metallurgical test work



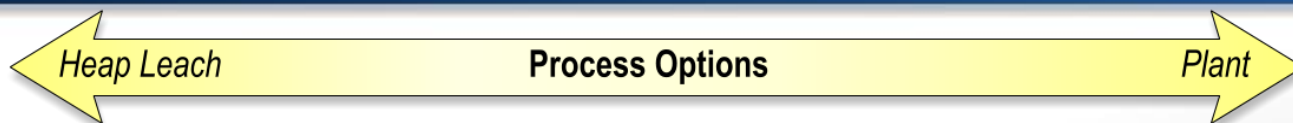
- ✱ Recently completed column test has shown that heap leach processing could be utilised
- ✱ Uranium recovery was approximately 80% after 7 days with low overall sulphuric acid consumption of 12.4 kg/t
- ✱ Theoretical maximum uranium recovery was approximately 90% and sulphuric acid consumption was 59.5 kg/t (based on glass beaker and bottle roll agitation techniques)
- ✱ Potential advantages of heap leach processing include:
  - Lower project capital costs
  - Accelerated development schedule
  - Reduction in cut-off grade
  - Increase in recoverable uranium
- ✱ Further test work is required



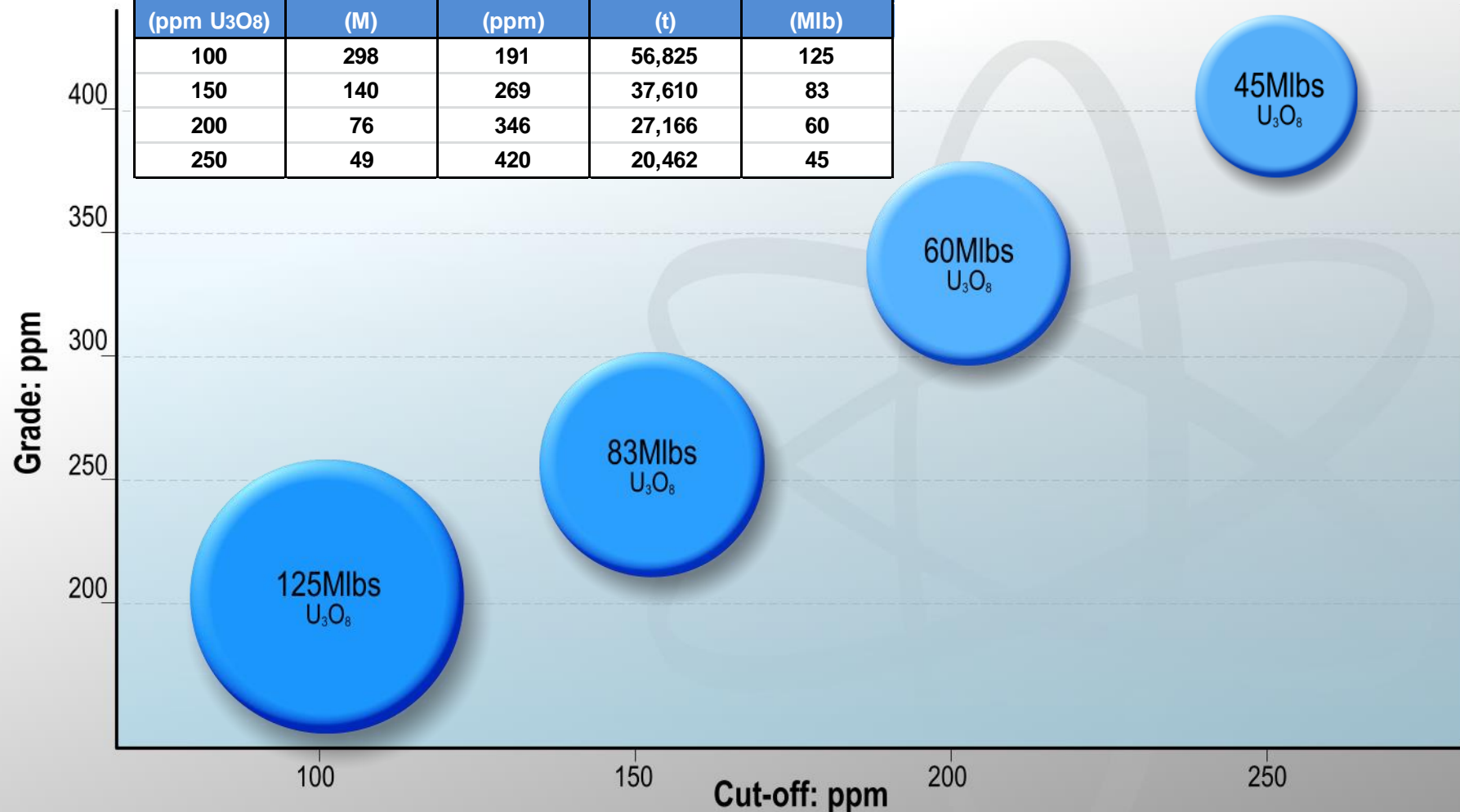
***Opens up the potential for a heap leach operation***



# Omahola Project: Process Options & Size



Cut-off (ppm U <sub>3</sub> O <sub>8</sub> )	Tonnes (M)	U <sub>3</sub> O <sub>8</sub> (ppm)	U <sub>3</sub> O <sub>8</sub> (t)	U <sub>3</sub> O <sub>8</sub> (Mlb)
100	298	191	56,825	125
150	140	269	37,610	83
200	76	346	27,166	60
250	49	420	20,462	45



*Provides development optionality around high grade resource zones*

# Omahola Project: Current Status



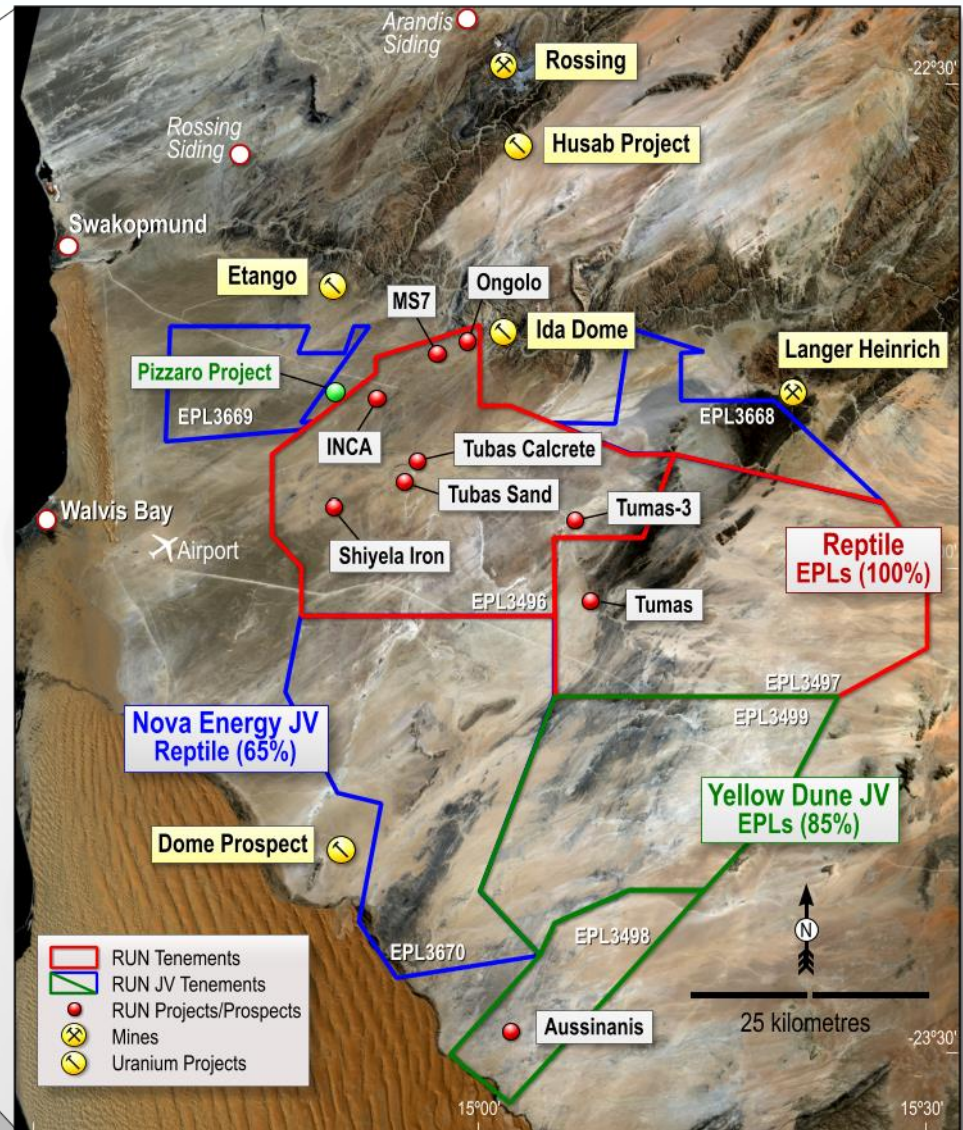
- ✱ Drilling programme designed to achieve resource critical mass by:
  - Increasing size and confidence of Ongolo and MS7
  - Systematically drilling the Ongolo-MS7 trend to identify additional high-grade satellite deposits
  - Recent Ongolo South and MS7 footwall discoveries reinforce ongoing success and blue sky potential
  
- ✱ Next steps for 2013:
  - Ground geophysics programme to identify more high grade targets
  - Drill testing of reconnaissance targets & drill outs for resource upgrades
  - Mining Studies and metallurgical test work

- ✱ Objectives: Completion of Pre-Feasibility Study in 2014  
Completion of Feasibility Study in 2015  
Commencement of first production in 2016

# Namibian Portfolio: Multiple Projects



**4,195 km<sup>2</sup>**  
**exploration area:**  
**109.5 Mlbs U<sub>3</sub>O<sub>8</sub> in**  
**JORC resources**



**Note:** Exploration in Namibia is conducted by DYL's wholly-owned subsidiary Reptile Uranium Namibia (RUN)



# Tubas Sand Project



***JORC Resource: 87 Mt at 148 ppm for 28.4 Mlbs U<sub>3</sub>O<sub>8</sub>***

- ✱ Sand mining operation, upgradeable via simple physical beneficiation
  - “Schauenburg” Plant
  - Mass pull 10 - 20%, uranium recovery >80%
  - U<sub>3</sub>O<sub>8</sub> upgrade of 6~8 times
- ✱ Leach circuit and resin loading (saleable product - loaded resin)
- ✱ Optionality:
  - Offtake to existing producer, or
  - Longer term supplemental Omahola feed
- ✱ Modular approach ~ 250 tpa U<sub>3</sub>O<sub>8</sub>
- ✱ Drilling and metallurgical tests ongoing
- ✱ Targeting PFS 2013/14
- ✱ Objective: Develop a small, low capex operation





# Contact Details



**Greg Cochran**

Managing Director

**Deep Yellow Limited**

Level 1, 329 Hay Street

Subiaco, Western Australia 6008

**T** +61 8 9286 6999

**M** +61 409 938-784

**F** +61 8 9286 6969

Email: [greg.cochran@deepyellow.com.au](mailto:greg.cochran@deepyellow.com.au)

Email: [info@deepyellow.com.au](mailto:info@deepyellow.com.au)

Website: [www.deepyellow.com.au](http://www.deepyellow.com.au)





# Appendices



## *Broad range of mining, technical and financial experience*

**Mervyn Greene**  
Chairman

- ✿ Over 20 years investment banking and entrepreneurial experience
- ✿ Formerly Morgan Stanley and London Partner of Namibian advisory firm IJG

**Greg Cochran**  
Managing Director

- ✿ Over 25 years as a senior mining executive
- ✿ Formerly Terramin Australia, Uranium One, Mitsubishi and BHP Billiton

**Martin Kavanagh**  
Executive Director

- ✿ Over 42 years geological experience
- ✿ Formerly Tanami Gold, Dominion Mining, Anaconda Australia and International Nickel

**Gillian Swaby**  
Non-Executive Director

- ✿ Over 25 years financial and corporate administration experience
- ✿ Company Secretary and Board Member for Paladin Resources

**Rudolf Brunovs**  
Non-Executive Director

- ✿ Chartered Accountant, full equity partner for over 27 years with Ernst & Young and predecessor companies
- ✿ 12 years as Managing Partner in Parramatta NSW and Perth WA

**Christophe Urtel**  
Non-Executive Director

- ✿ 13 years investment banking and investment management experience with JP Morgan and Liberum Capital
- ✿ Investment advisor to Laurium Fund

**Tim Netscher**  
Non-Executive Director

- ✿ Experienced senior mining executive
- ✿ Currently Managing Director at Gindalbie Metals, formerly Newmont Mining, Vale, PT Inco, QNI, Impala Platinum and Billiton

**Mark Pitts**  
Company Secretary

- ✿ Chartered Accountant with over 20 years experience
- ✿ Partner in the advisory firm Endeavour Corporate

# Senior Management Team



## *Supplementing proven operational delivery with a broader capability*

**Peter Christians**  
Country Manager

- ✧ Mining engineer with over 30 years international mining experience
- ✧ Worked in the USA, Southern and West Africa and Australia
- ✧ Extensive uranium experience including 15 years at Rössing Uranium, Bannerman and ARMZ/Uranium One

**Klaus Frielingsdorf**  
General Manager

- ✧ Chemist with over 20 years experience in process and operations management
- ✧ Formerly Council Scientific Industrial Research (RSA) and Walvis Bay Salt Refiners
- ✧ Uranium experience at Langer Heinrich Uranium

**Katrin Kärner**  
Exploration Manager

- ✧ Geologist with over 13 years experience
- ✧ Previously with Optiro Consultants and Paladin Energy in Australia
- ✧ Namibian experience at Langer Heinrich Uranium and Skorpion Zinc

**Ursula Pretorius**  
Financial Controller

- ✧ Over 20 years financial management experience within mining and private security industries
- ✧ Associate member of the Institute of Chartered Secretaries and Administrators (ICSA) and Chartered Secretaries Australia (CSA)
- ✧ Formerly Finstone SA (Pty) Ltd



# JORC Resources - Namibia



Deposit	Category	Cut-off (ppm U3O8)	Tonnes (M)	U3O8 (ppm)	U3O8 (t)	U3O8 (Mlb)
<b>NAMIBIA</b>						
<b>Omahola Project</b>						
INCA ♦	Indicated	250	7.0	470	3,300	7.2
INCA ♦	Inferred	250	5.4	520	2,800	6.2
Ongolo #	Measured	250	7.7	395	3,040	6.7
Ongolo #	Indicated	250	9.5	372	3,540	7.8
Ongolo #	Inferred	250	12.4	387	4,810	10.6
MS7 #	Measured	250	4.4	441	1,955	4.3
MS7 #	Indicated	250	1.0	433	433	1.0
MS7 #	Inferred	250	1.3	449	584	1.3
<b>Omahola Project Total</b>			<b>48.7</b>	<b>420</b>	<b>20,462</b>	<b>45.1</b>
Tubas Sand Project	Inferred	70	87.0	148	12,876	28.4
<b>Tubas Sand Project Total</b>			<b>87.0</b>	<b>148</b>	<b>12,876</b>	<b>28.4</b>
Tumas ♦	Indicated	200	14.4	366	5,270	11.6
Tumas ♦	Inferred	200	0.4	360	144	0.3
Tubas Calcrete	Inferred	100	7.4	374	2,767	6.1
<b>Tubas-Tumas Palaeochannel Total</b>			<b>22.2</b>	<b>369</b>	<b>8,181</b>	<b>18.0</b>
Aussinanis ♦	Indicated	150	5.6	222	1,243	2.7
Aussinanis ♦	Inferred	150	29.0	240	6,960	15.3
<b>Aussinanis Project Total</b>			<b>34.6</b>	<b>237</b>	<b>8,203</b>	<b>18.0</b>
<b>TOTAL - NAMIBIA</b>			<b>192.5</b>	<b>258</b>	<b>49,722</b>	<b>109.5</b>

*Notes: Figures have been rounded and totals may reflect small rounding errors*

*XRF chemical analysis unless annotated otherwise*

*eU3O8 - equivalent uranium grade as determined by downhole gamma logging*

*# Combined XRF Fusion Chemical Assays and eU3O8 values*

# JORC Compliance Statement



The information in this report that relates to Exploration Results, is based on information compiled by Dr Leon Pretorius and Mr Martin Kavanagh, both Fellows of the Australasian Institute of Mining and Metallurgy. Dr Pretorius was previously Managing Director of Reptile Uranium Namibia (Pty) Ltd and Mr Kavanagh an Executive Director of Deep Yellow Limited, have 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'. Dr Pretorius and Mr Kavanagh consent to the inclusion in the report of the matters based on their information in the form and context in which it appears.

The information in this Report that relates to the Ongolo and MS7 Mineral Resources is based on information compiled by Malcolm Titley of CSA Global UK Ltd. Malcolm Titley takes overall responsibility for the Report. He is a Member of the Australasian Institute of Geoscientists ('AIG') and the Australasian Institute of Mining and Metallurgy ('AusIMM') and has sufficient experience, which is relevant to the style of mineralisation and type of deposit under consideration, and to the activity he is undertaking, to qualify as a Competent Person in terms of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code 2004 Edition). Malcolm Titley consents to the inclusion of such information in this Report in the form and context in which it appears.

The information in this report that relates to the INCA Mineral Resources is based on work completed by Mr Neil Inwood. Mr Inwood is a Fellow of the Australasian Institute of Mining and Metallurgy. Mr Inwood 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 Persons as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Inwood consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. Mr Inwood was previously a full-time employee of Coffey Mining (Perth).

The information in this report that relates to the Tubas Sand and Tubas Calcrete Mineral Resource is based on information compiled by Mr Willem H. Kotzé Pr.Sci.Nat MSAIMM. Mr Kotzé is a Member and Professional Geoscientist Consultant of Geomine Consulting Namibia CC. Mr Kotzé 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 Kotzé consents to the inclusion in this release of the matters based on his information in the form and context in which it appears.

The information in this report that relates to the Aussinanis and Tumas Mineral Resources is based on work completed by Mr Jonathon Abbott who is a full time employee of Hellman and Schofield Pty Ltd and a Member of the Australasian Institute of Mining and Metallurgy. Mr Abbott 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' and as a Qualified Person as defined in the AIM Rules. Mr Abbott consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

The information in this report that relates to the Shiyela Mineral Resources is based on information compiled by James Farrell who is a full-time employee of Golder Associates Pty Ltd and a Member and Chartered Professional of the Australasian Institute of Mining and Metallurgy. James Farrell has sufficient experience 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 JORC Code (2004). James Farrell has relied on exploration data compiled by Dr Leon Pretorius who was at the time the Managing Director of Reptile Uranium Namibia (Pty) Ltd and a Fellow of the Australasian Institute of Mining and Metallurgy. Dr Pretorius 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 JORC Code (2004). James Farrell has also relied on interpretation of metallurgical testwork compiled by Brian Povey who is a full-time employee of Mintrex Pty Ltd and a Fellow of the Australasian Institute of Mining and Metallurgy. Brian Povey has sufficient experience 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 JORC Code (2004). James Farrell, Leon Pretorius and Brian Povey consent to the inclusion of this information in the form and context in which it appears.