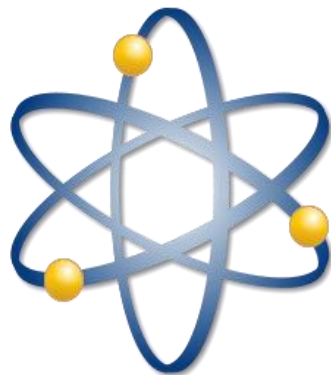


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**Deep Yellow**  
Limited

***Australian Uranium Conference***

***“Enhanced Palaeochannel  
Prospectivity Confirmed”***

***15 July 2015***

**Greg Cochran – Managing Director**

**ASX: DYL**

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



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Corporate Snapshot



Market Overview



Project Locations



Palaeochannel Prospectivity



Omahola Project



Tubas Sand Project



Conclusions





## The Board

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

## Executives & Management

<b>Greg Cochran</b>	Managing Director
<b>Peter Christians</b>	Country Manager: Namibia
<b>Ursula Pretorius</b>	Financial Controller
<b>Martin Hirsch</b>	Exploration Manager

## Capital Structure – as at 14 July 2015

<b>Shares on Issue</b>	1,910M
<b>Performance Rights</b>	36.6M
<b>Market Cap (@ 1.0)</b>	~ AUD 19.1M
<b>Net Cash</b>	~AUD 3.9M
<b>Major shareholders:</b>	
<b>Paladin Energy Limited</b>	16.7%
<b>HSBC*</b>	13.4%
<b>National Nominees**</b>	9.3%

\* Including Raptor Partners Limited

\*\* Including Laurium L.P. Fund



# Market – has anything changed since last year?



## Global Financial Markets

- ⚙️ Ongoing volatility means continued uncertainty
- ⚙️ Capital remains the biggest challenge
- ⚙️ Little appetite for investment in exploration

## Uranium Demand

- ⚙️ Nuclear growth confirmed (underestimated?)
- ⚙️ China, India, Russia and Middle East are key drivers
- ⚙️ Forecast growth 180 Mlbs to 250 Mlbs by 2020
- ⚙️ 2013 Contract sales – 10-year low, now increasing

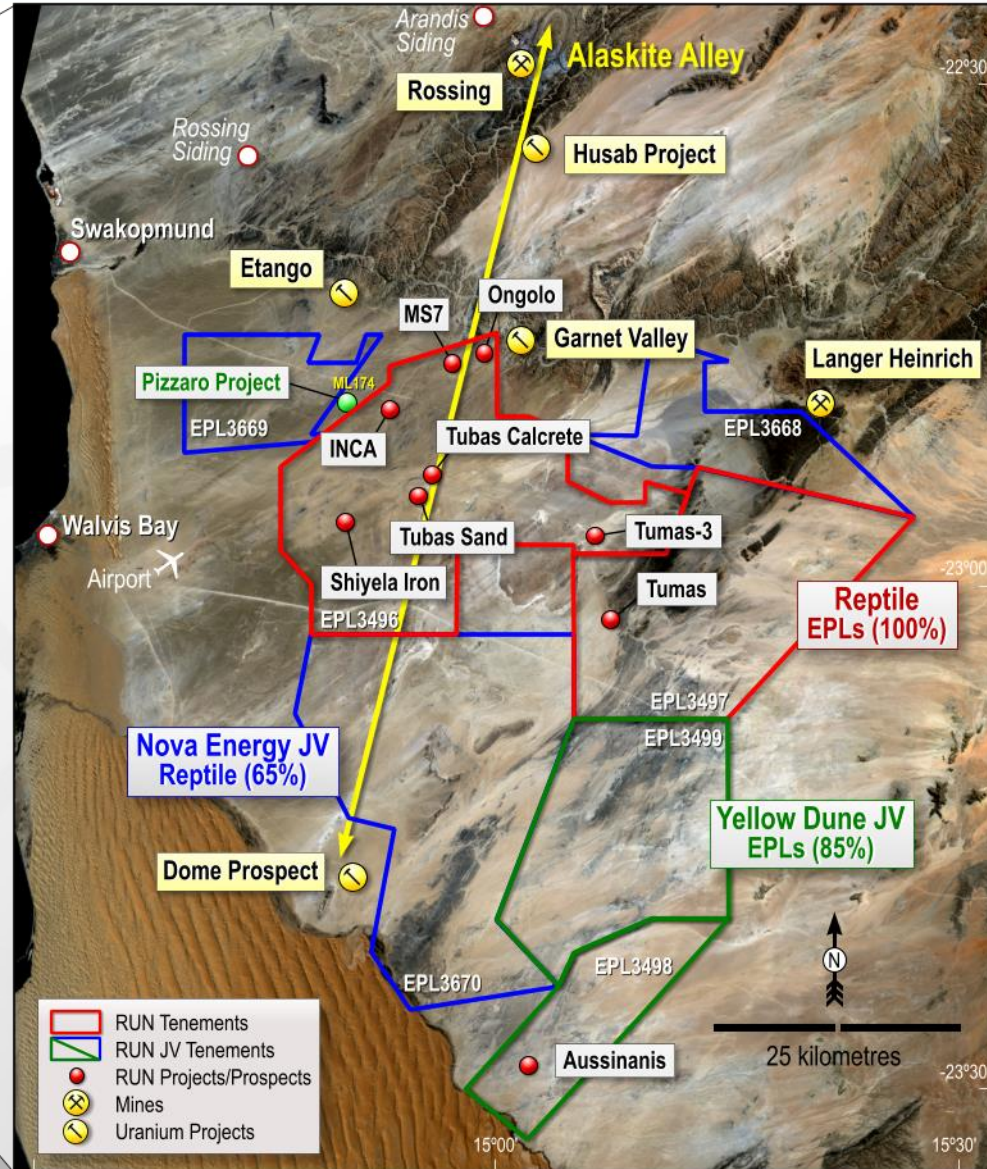
## Uranium Supply

- ⚙️ Project development mostly stalled
- ⚙️ HEU (secondary supply source) finished
- ⚙️ Widespread curtailment of production
- ⚙️ 12 to 15 (large) new mines needed by 2020

## Conclusions and Strategic Response

- ⚙️ Perfect storm brewing – trigger prices >US\$80/lb required
- ⚙️ Timing of recovery remains uncertain (likely 2016-2020)
- ⚙️ Protect assets and skill base
- ⚙️ Progress projects cautiously to be well positioned at recovery

# Project Locations



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**3,109 km<sup>2</sup> in exploration area\***  
**93.8 Mlbs at 306ppm in resources\*\***

**Notes:**

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

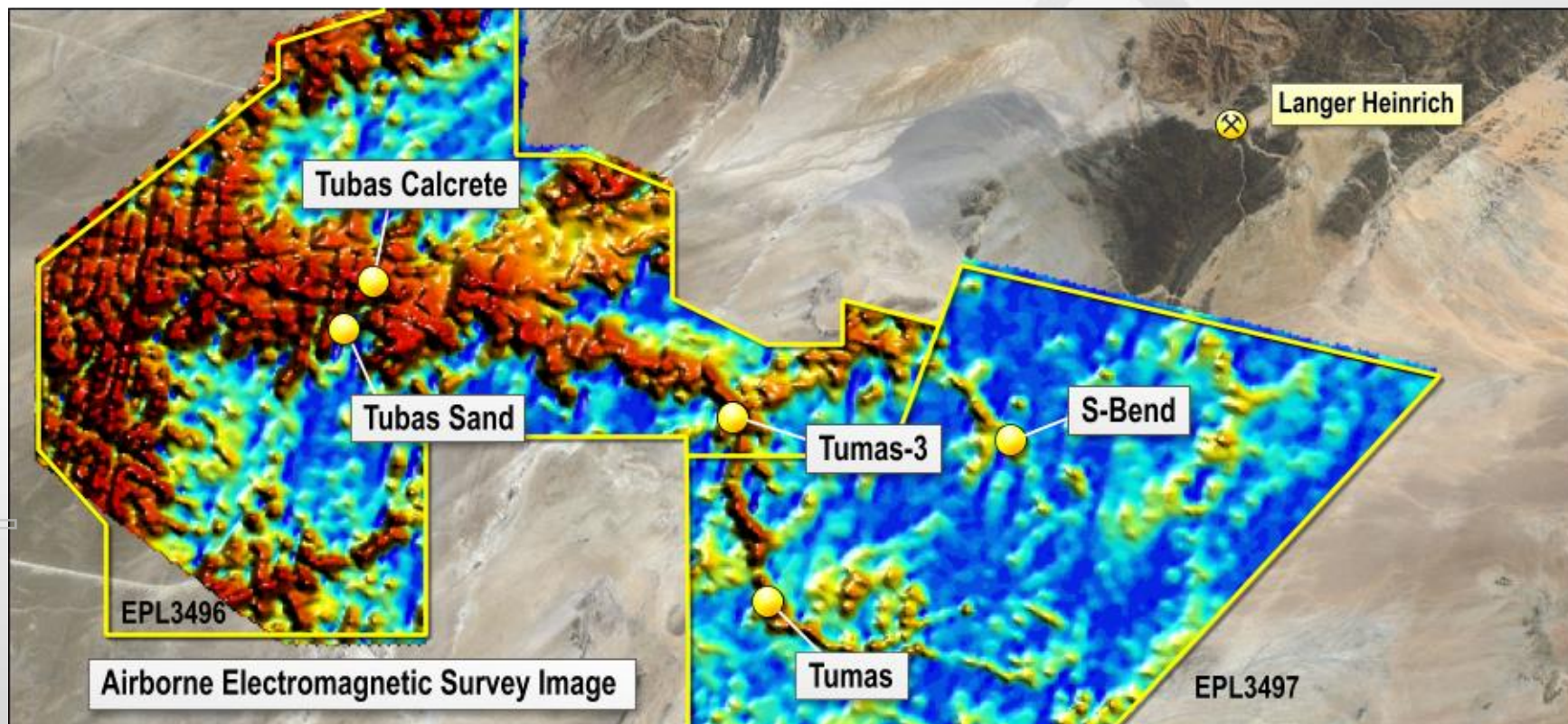
\* On a 100% basis

\*\* Assuming tank leach for Omahola

# Palaeochannels: Introduction



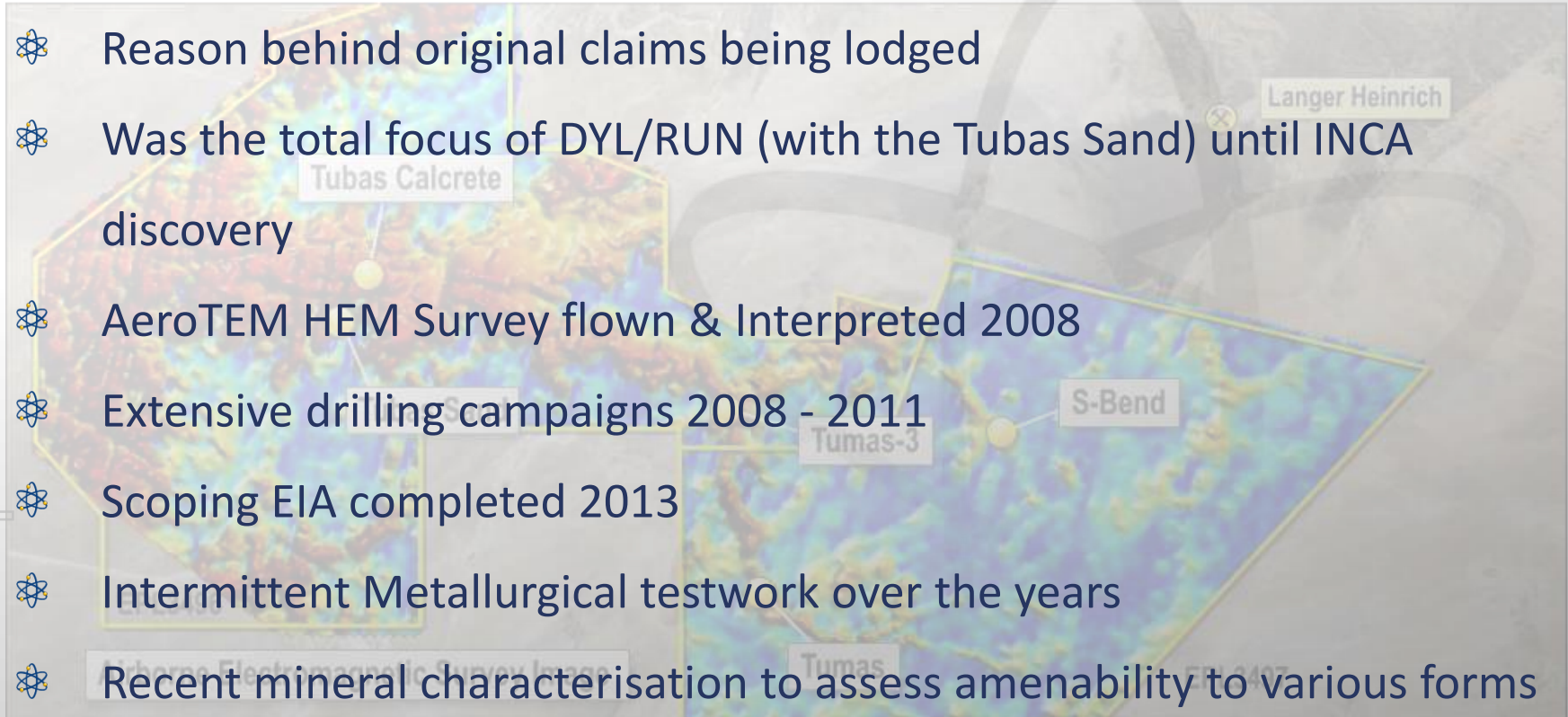
*JORC 2004 Resource: 22.2 Mt at 368 ppm for 18 Mlbs U<sub>3</sub>O<sub>8</sub>*





***JORC 2004 Resource: 22.2 Mt at 368 ppm for 18 Mlbs U<sub>3</sub>O<sub>8</sub>***

- ✿ Known deposits from 1970's/80's
- ✿ Reason behind original claims being lodged
- ✿ Was the total focus of DYL/RUN (with the Tubas Sand) until INCA discovery
- ✿ AeroTEM HEM Survey flown & Interpreted 2008
- ✿ Extensive drilling campaigns 2008 - 2011
- ✿ Scoping EIA completed 2013
- ✿ Intermittent Metallurgical testwork over the years
- ✿ Recent mineral characterisation to assess amenability to various forms of physical beneficiation, including Marenica's U-pgrade™ process

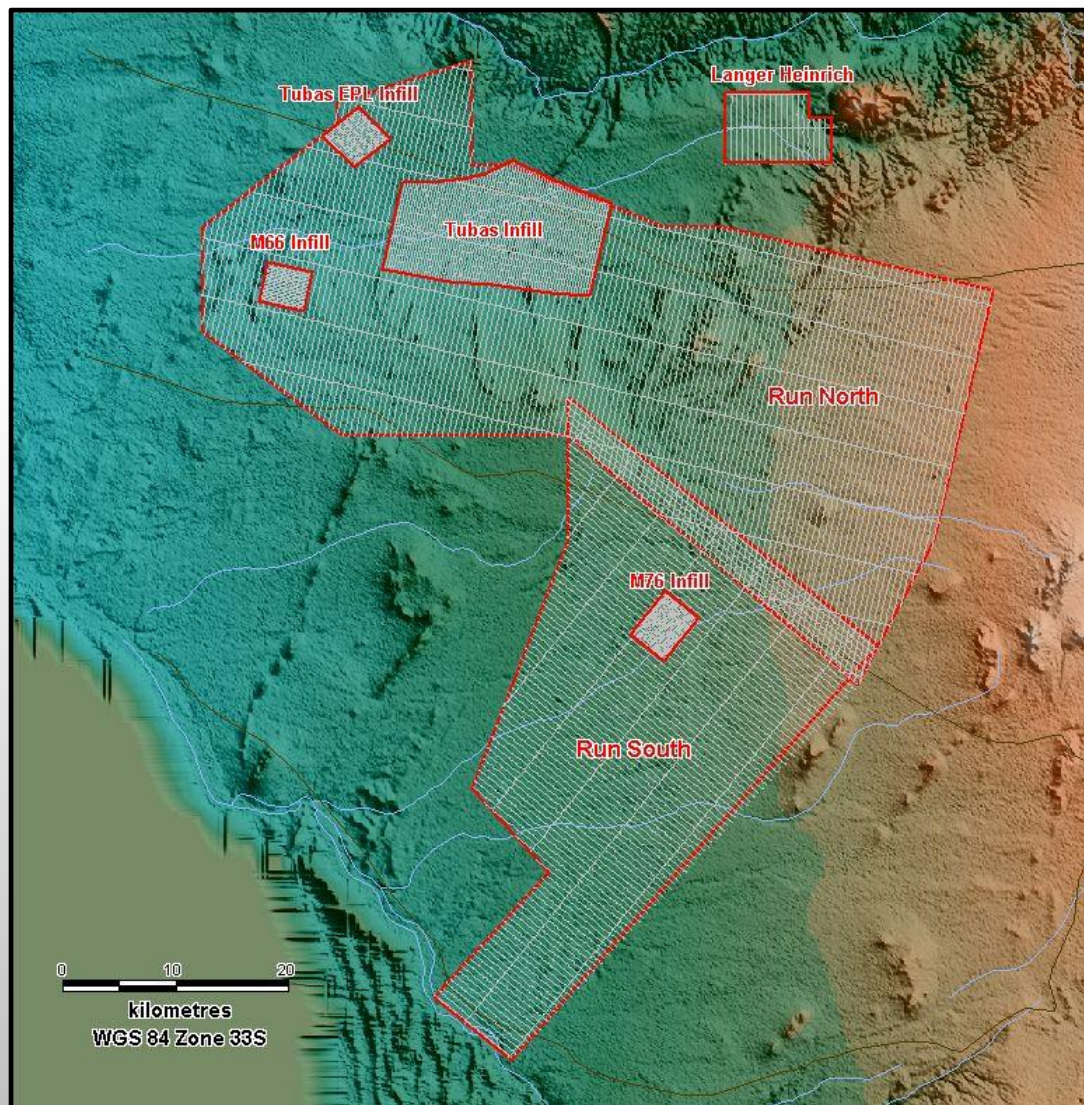


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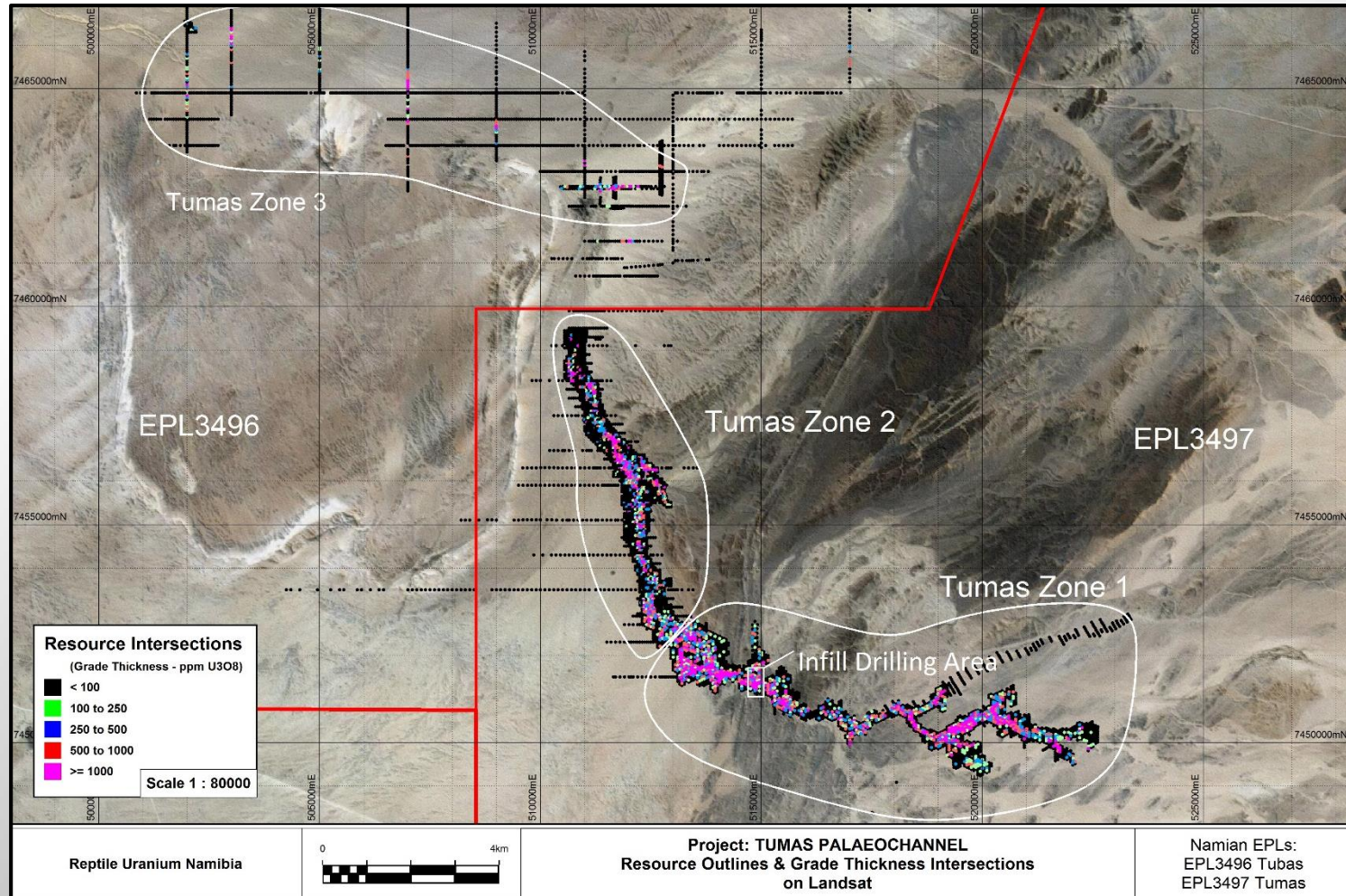
*Flight lines at 500m gave good coverage however with limited granularity*



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*Encouraging results from mineral characterisation tests prompted a fresh look at the current resource base & geological understanding*



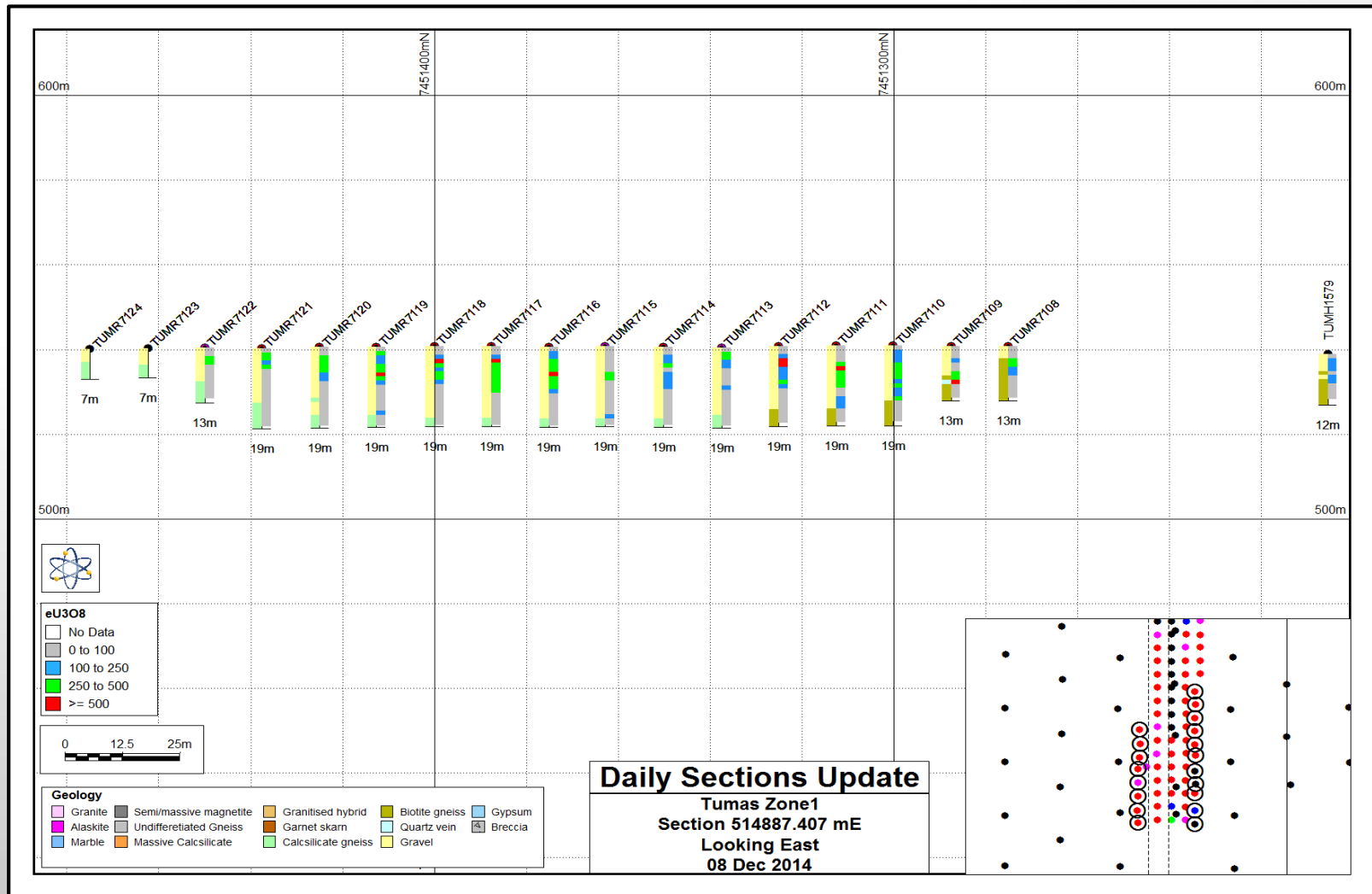
Tumas Palaeochannel on EPLs 3497 and 3496 showing location of Infill Drilling Area

# Palaeochannels: Recent Infill Drilling Results



*Effectively a “grade control” program with 12.5mx12.5m spacing  
Infilling previous 50mx100m drill spacing*

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Drilling & Section from recent Infill Drilling Program showing uranium distribution and channel program

# Palaeochannels: Recent Infill Drilling Results



***21 of 90 Holes delivered GTM's over 2000m eU<sub>3</sub>O<sub>8</sub>\****

Drillhole	UTM EAST	UTM NORTH	Azi UTM	Dip	TD	From	To	Interval (m)	eU <sub>3</sub> O <sub>8</sub> (ppm)	GTM
TUMR7110	514887.60	7451300.00	0	-90	19.0	0.00	14.00	14.00	207	2898
TUMR7111	514887.50	7451313.00	0	-90	19.0	2.00	15.00	13.00	243	3159
TUMR7112	514887.50	7451325.00	0	-90	19.0	0.00	11.00	11.00	255	2805
TUMR7116	514887.60	7451375.00	0	-90	19.0	1.00	12.00	11.00	304	3344
TUMR7117	514887.50	7451388.00	0	-90	19.0	2.00	11.00	9.00	371	3339
TUMR7119	514887.50	7451413.00	0	-90	19.0	1.00	9.00	8.00	307	2456
TUMR7129	514900.10	7451325.00	0	-90	19.0	2.00	10.00	8.00	291	2328
TUMR7131	514900.00	7451350.00	0	-90	19.0	1.00	10.00	9.00	284	2556
TUMR7134	514900.00	7451388.00	0	-90	20.0	1.00	11.00	10.00	209	2090
TUMR7137	514899.90	7451425.00	0	-90	19.0	2.00	16.00	14.00	154	2156

***Importantly, mineralisation was mostly from surface or with minimal cover***



## *What have we learned from these drilling results?\**

- ✿ Confirmed a continuously mineralised north-south front of 160m(NS)x50m(EW)
- ✿ Consistent with previous drilling results done on a 50mx100m grid
- ✿ Grades matched the historical results and the existing mineral resource model
- ✿ Mineralisation confined to channel sediments and not bedrock which simplifies mining and processing
- ✿ Limited amounts of internal dilution
- ✿ Gently undulating palaeochannel base has no influence on mineralisation grade or thickness
- ✿ Mineralisation may be present even in areas with as little as 2 metres of channel fill



## *What else can we infer from these drilling results?\**

- ✱ An internal study predicted the calcrete-hosted tonnes uranium per lineal kilometre along the Tumas drainage
- ✱ Assumptions were made for grade/thickness consistency interpolated from wide-spaced drilling
- ✱ Assumptions referenced against other deposits in the region
- ✱ Numbers range between 1.8 and 3Mlbs/km
- ✱ Conservatively discount by 50% due to low definition
- ✱ **The Drilling results provide the evidence to support these assumptions**

Next steps – generate an estimate of the extent of palaeochannels by:

- ✱ **Geophysical interpretation – done!**
- ✱ *Prove via further drilling*



## *Resource Potentials commissioned to re-interpret AeroTEM HEM data\**

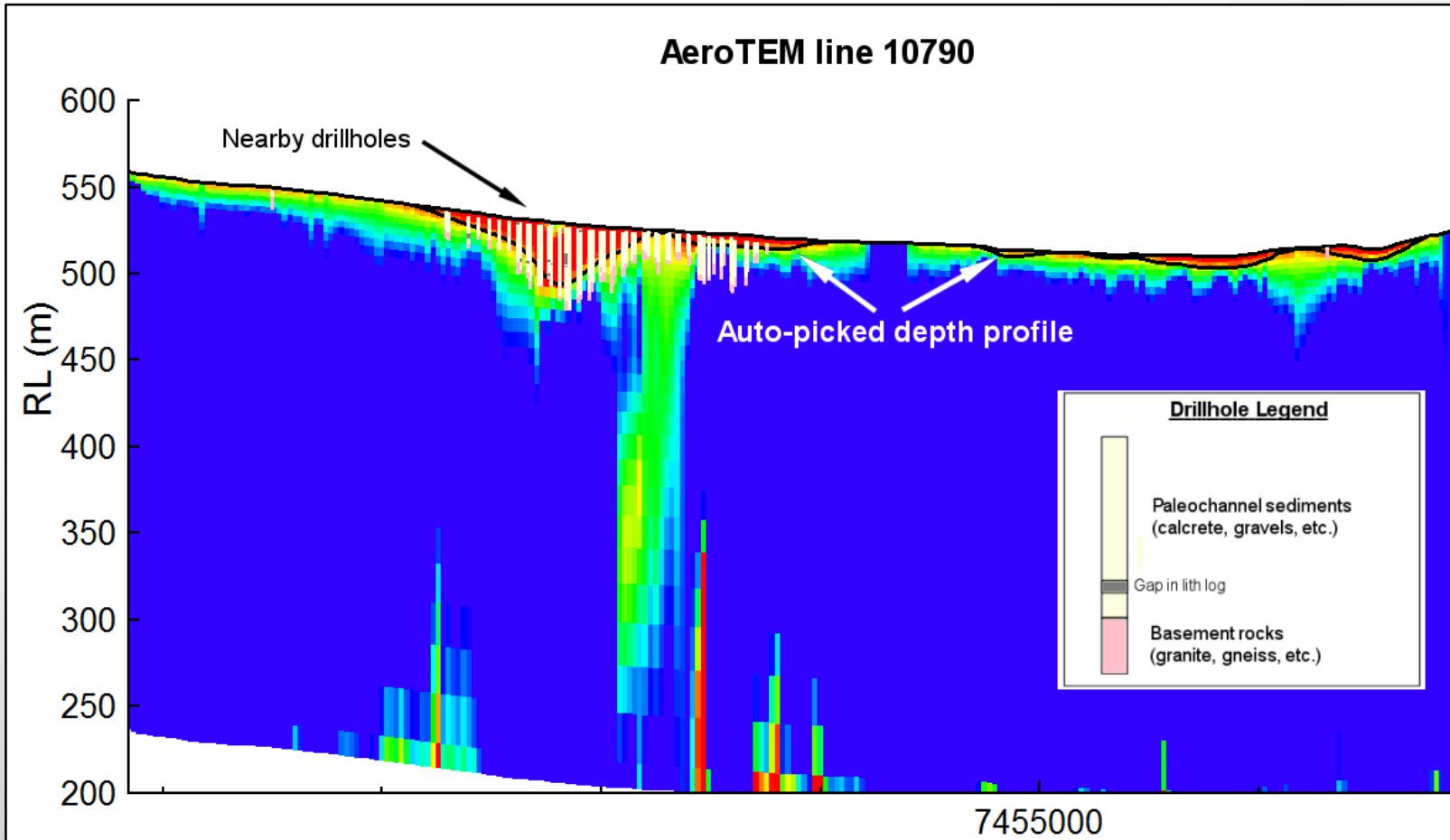
- Step 1: Convert the AeroTEM EM time domain data to conductivity-depth values shot
- Step 2: Run an auto-picking processing routine on the conductivity-depth imaging data to determine the thickness of conductive cover above fresh bedrock “basement”
- Step 3: Produce a set of georeferenced data products

*This allows an estimate of the extent of palaeochannels to be made*

# Palaeochannels: Geophysical Interpretation



## *Layered Earth Inversion ("LEI") Techniques Produced Reliable Results\**



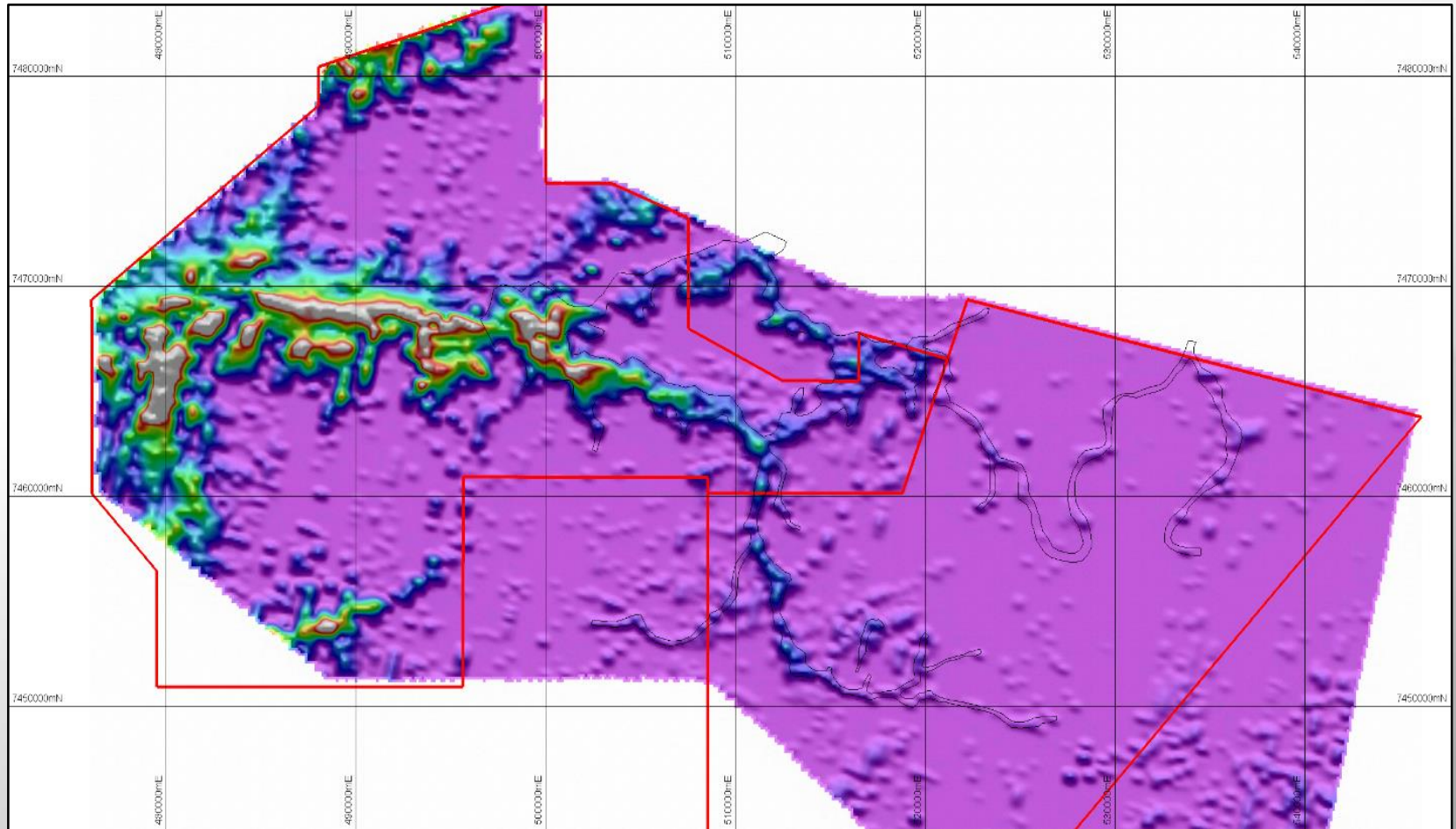
*Layered Earth Inversion section showing good correlation between bedrock depth from drilling and the depth-to-bedrock from auto-picking routine*



# Palaeochannels: Geophysical Interpretation



## *LEI Conductance Image with additional interpretation\**

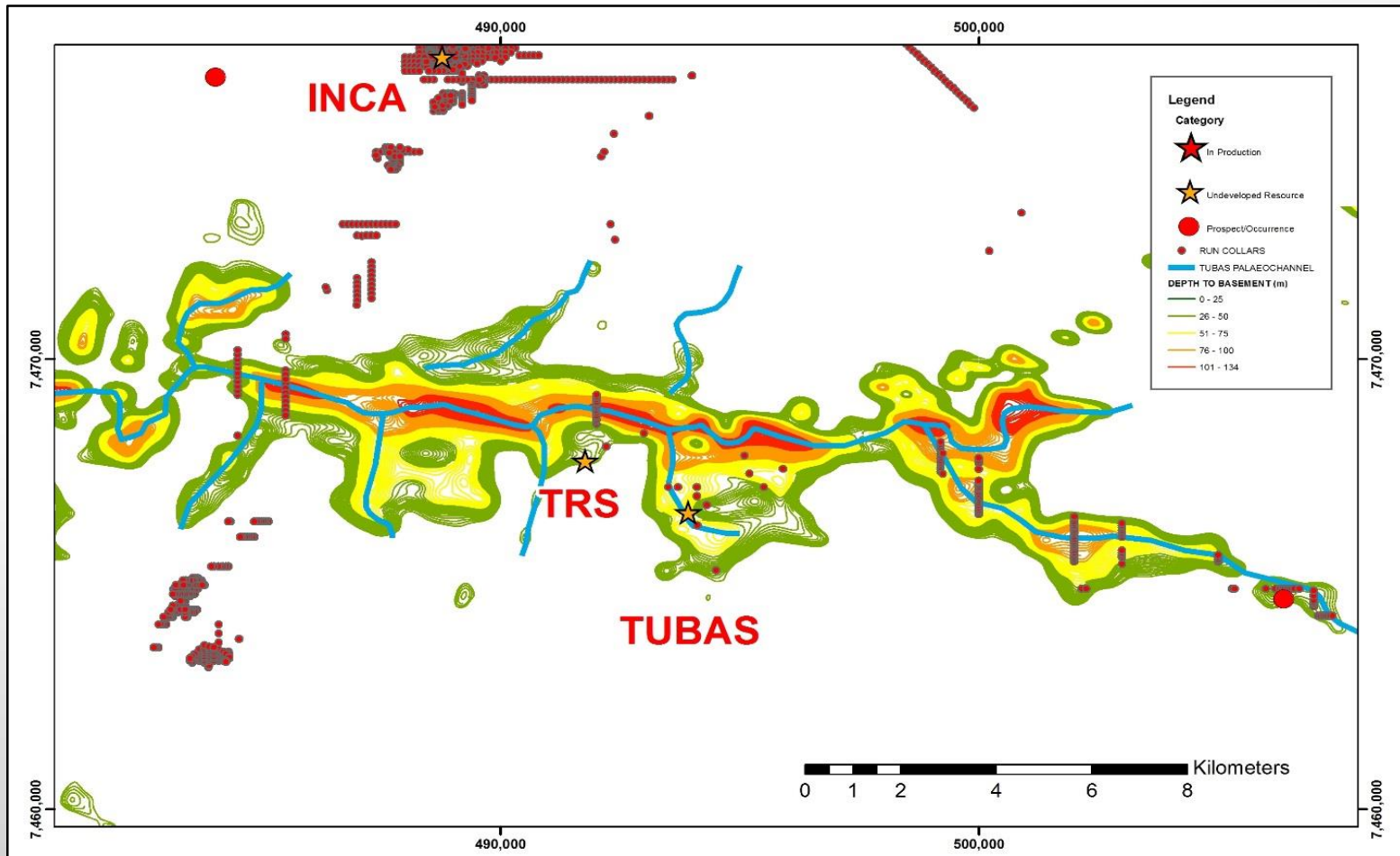


*More clearly defined palaeochannel visible from this interpretation*

*Well over 100 kilometres in length*



*Further analysis delivers the “money shot”\**



*Map showing interpretation of depth to basement of the palaeochannel system across EPL 3496*

# Omahola Project: PEA Completed in 2014



**JORC 2004 Resource: 48.7 Mt at 420 ppm for 45.1 Mlbs U<sub>3</sub>O<sub>8</sub> (tank leach)\***

'PEA' – preliminary economic analysis completed  
(Internal study – ASX release 4 June 2014)

Heap leach operation more economically attractive

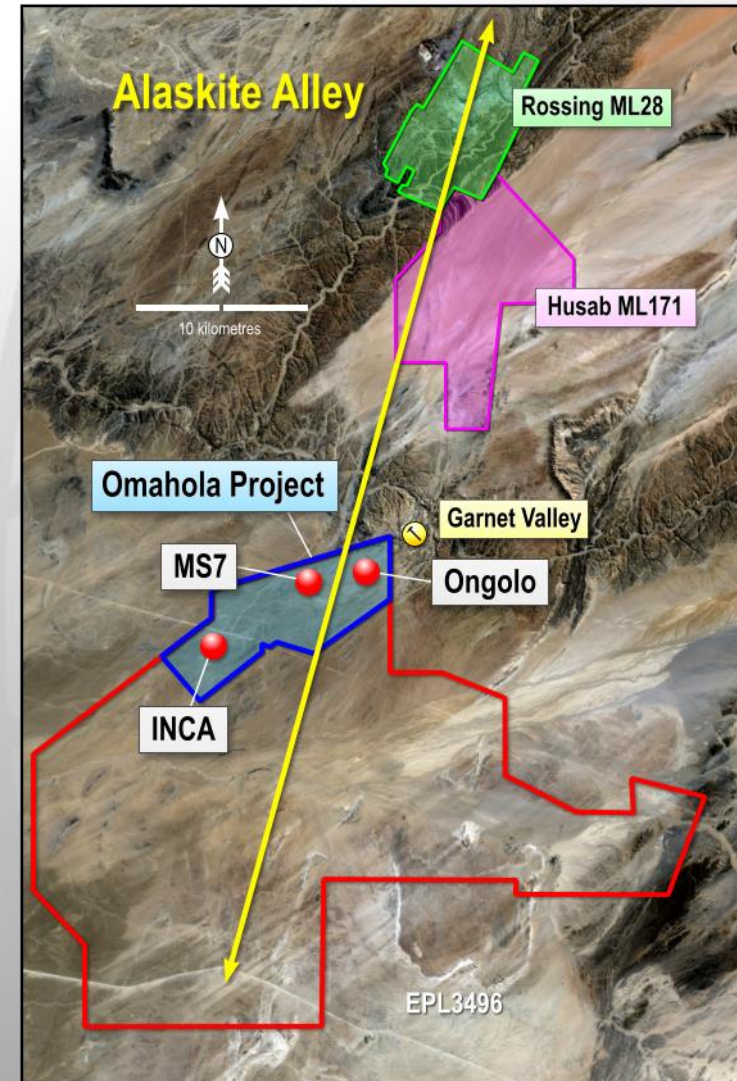
Results included:

- Average strip ratios similar at 4.2:1 (waste:ore)
- MS7 had the lowest strip ratio and INCA the highest
- Ongolo, the lowest grade deposit, had the highest estimated operating cost and low resource recovery.
- Rates of production between 2.5 to 3.5 Mlbspa U<sub>3</sub>O<sub>8</sub> were modelled (7 ~ 10 Mtpa or ore)
- Life of mine of between 10 and 14 years
- Down dip potential of MS7 confirmed

Metallurgical testwork required to prove concept

Next Steps (underway):

- Review & update preliminary economic analysis using independent consultants
- Plan scoping level metallurgical testwork





***JORC 2012 Resource: 34 Mt at 170 ppm for 12.7 Mlbs U<sub>3</sub>O<sub>8</sub>\****

## Resource update completed:

- ✳ Covered smaller, selected area
- ✳ Average grade up but resource smaller
- ✳ Upside potential remains – drill program designed to infill & extend resource

## DRA techno-economic study completed

- ✳ Intermediate product preferred strategy
- ✳ Production ~750,000 lbs/year U<sub>3</sub>O<sub>8</sub>\*\*
- ✳ FOB minesite costs below US\$25/lb\*\*

## Offtake contract essential

- ✳ Existing Namibian mines & projects approached
- ✳ Unable to commit

## Other metallurgical testwork

- ✳ Samples tested by Marenica Energy Limited
- ✳ U-pgrade™ process may work

## Further work planned but dependent on offtaker

- ✳ Infill & expansion drill program
- ✳ Supplemental metallurgical testwork





## ***Recent Palaeochannel Exploration has Demonstrated Exciting Upside***

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- ✿ Palaeochannels
    - Recent drill program confirmed grade and thickness over selected area
    - Used as an analogue for the remainder of the palaeochannel
    - Calcrete-hosted tonnes uranium per lineal kilometre has been estimated
    - Drill program underpins these assumptions
    - Reinterpretation of existing Geophysical datasets reinforced extent of channels
    - Potential ready to be tapped
  - ✿ Omahola Project – Ongoing progress
    - Update preliminary economic analysis with independent consultants
    - Plan MS7 deeper drilling campaign & scoping level metallurgical test work
    - Assess nearby targets to supplement resource base
  - ✿ Tubas Sand Project – On hold due to lack of offtaker
    - Expansion & Infill drilling program ready to go
    - Metallurgical testwork planning completed
  - ✿ Improving uranium market sentiment
    - Highly leveraged to any movement in uranium spot price

***Leading location, Clear focus, High prospectivity, Proven delivery record***

*Thank you....*



**Greg Cochran**

Managing Director

**Deep Yellow Limited**

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# Appendices



# JORC Resources (in this presentation)



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Deposit	Category	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)
<b>Omahola Project - JORC 2004</b>						
INCA Deposit ♦	Indicated	250	7.0	470	3,300	7.2
INCA Deposit ♦	Inferred	250	5.4	520	2,800	6.2
Ongolo Deposit #	Measured	250	7.7	395	3,000	6.7
Ongolo Deposit #	Indicated	250	9.5	372	3,500	7.8
Ongolo Deposit #	Inferred	250	12.4	387	4,800	10.6
MS7 Deposit #	Measured	250	4.4	441	2,000	4.3
MS7 Deposit #	Indicated	250	1.0	433	400	1.0
MS7 Deposit #	Inferred	250	1.3	449	600	1.3
<b>Omahola Project Total</b>			<b>48.7</b>	<b>420</b>	<b>20,400</b>	<b>45.1</b>
<b>Tubas Sand Project - JORC 2012</b>						
Tubas Sand Deposit #	Indicated	100	10.0	187	1,900	4.1
Tubas Sand Deposit #	Inferred	100	24.0	163	3,900	8.6
<b>Tubas Sand Project Total</b>			<b>34.0</b>	<b>170</b>	<b>5,800</b>	<b>12.7</b>
<b>Tubas-Tumas Palaeochannel - JORC 2004</b>						
Tumas Deposit ♦	Indicated	200	14.4	366	5,300	11.6
Deposit ♦	Inferred	200	0.4	360	100	0.3
Tubas Calcrete Deposit ♦	Inferred	100	7.4	374	2,800	6.1
<b>Tubas-Tumas Palaeochannel Total</b>			<b>22.2</b>	<b>369</b>	<b>8,200</b>	<b>18.0</b>
<b>TOTAL RESOURCES</b>			<b>104.9</b>	<b>328</b>	<b>34,400</b>	<b>75.8</b>

**Notes:** Figures have been rounded and totals may reflect small rounding errors.  
 XRF chemical analysis unless annotated otherwise.  
 ♦ eU<sub>3</sub>O<sub>8</sub> - equivalent uranium grade as determined by downhole gamma logging.  
 # Combined XRF Fusion Chemical Assays and eU<sub>3</sub>O<sub>8</sub> values.  
 Where eU<sub>3</sub>O<sub>8</sub> values are reported it relates to values attained from radiometrically logging boreholes.  
 Gamma probes were calibrated at Pelindaba, South Africa in 2007 and sensitivity checks are conducted by periodic re-logging of a test hole to confirm operation between 2008 and 2013.  
 During drilling, probes are checked daily against a standard source.





## Omahola Project

The information in this report that relates to Exploration Results for the **Ongolo, MS7 and INCA** deposits is based on information compiled by Dr Katrin Kärner\* who is a Member of the Australasian Institute of Mining and Metallurgy (MAusIMM CP(Geo)). Dr Katrin Kärner, who was the Exploration Manager for Reptile Uranium Namibia (Pty) Ltd, has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which she 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). Dr Katrin Kärner\* consents to the inclusion in the report of the matters based on her 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 Resource Estimates is based on information compiled by Neil Inwood who is a Fellow of the AUSIMM. Mr Inwood was employed by Coffey Mining as a consultant to the Company at the time of the resource estimates and public release of results. As Mr Inwood is no longer employed by Coffey Mining, Coffey Mining has reviewed this report and consents to the inclusion, form and context of the relevant information herein as derived from the original resource reports for which Mr Inwood's consents have previously been given. Mr Inwood has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity which is being undertaken 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).

The information relating to the **Omahola** Project Exploration Results and Mineral Resource Estimates was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

## Tubas Sand Project

The information in this release that relates to the **Tubas Sand** Mineral Resource Estimate is based on information compiled by Dr Katrin Kärner\* of Reptile Uranium (Pty) Ltd and Malcolm Titley of CSA Global Pty Ltd. Malcolm Titley takes overall responsibility for the MRE. 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 mineralization 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 2012 Edition). Malcolm Titley consents to the inclusion of such information in this Report in the form and context in which it appears.

Dr Katrin Kärner\* of RUN was the Competent Person responsible for the exploration activities and drill hole database and assaying who is a Member of the Australasian Institute of Mining and Metallurgy (MAusIMM CP(Geo)). Dr Katrin Kärner, who was the Exploration Manager for Reptile Uranium Namibia (Pty) Ltd, has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which she 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 2012 Edition). Dr Katrin Kärner\* consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.

CSA is an independent geological consultancy. Fees were charged to RUN at a commercial rate for the work completed and preparation of the Tubas Sand Deposit Mineral Resource Estimate, the payment of which is not contingent upon the conclusions of the Resource Estimate. No member or employee of CSA is, or is intended to be, a director, officer or other direct employee of RUN. There is no formal agreement between CSA and RUN as to RUN providing further work for CSA.

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## **Tubas-Tumas Project**

The information in this report that relates to the Tumas Zone 1 Infill Drilling Exploration Results is based on and fairly represents information and supporting documentation prepared or reviewed by Mr Geoffrey Gee, a Competent Person who is a Member of the Australasian Institute of Geoscientists. Mr Gee, who is employed as a contract Exploration Geologist with Deep Yellow Limited, has sufficient experience which is relevant to the styles of mineralisation and types 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 Gee consents to the inclusion in the report of the matters based on the information in the form and context in which it appears.

The information in this report that relates to previous Exploration Results for the Tubas Calcrete and Tumas Mineral Resources is based on information compiled by Dr Katrin Kärner who is a Member of the Australasian Institute of Mining and Metallurgy (MAusIMM CP(Geo)). Dr Katrin Kärner, who was the Exploration Manager for Reptile Uranium Namibia (Pty) Ltd during 2013, has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which she 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). Dr Katrin Kärner consents to the inclusion in the report of the matters based on her information in the form and context in which it appears.

The information in this report that relates to the 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 in terms of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code 2004 Edition). 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 Tumas Mineral Resources is based on work completed by Mr Jonathon Abbott who is a full time employee of MPR Geological Consultants Pty Lt and a Member of the Australian Institute of Geoscientists. 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 a Competent Person in terms of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code 2004 Edition') 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 relating to Tubas-Tumas Mineral Resource Estimates was prepared and first disclosed under the JORC Code 2004. It has not been updated since to comply with the JORC Code 2012 on the basis that the information has not materially changed since it was last reported.

## **Geophysical Results: Resource Potentials**

The information in this report that relates to Geophysical Results is based on information compiled by Dr Jayson Meyers who is a Fellow of the Australian Institute of Geoscientists. Dr Meyers is a full time employee of Resource Potentials Pty Ltd. Dr Meyers 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". Dr Meyers 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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