Deep Yellow
Limited

"An Emerging Namibian Developer"

20:20 Investor Series
"Innovation in Exploration"

7 November 2011

Greg Cochran – Managing Director

ASX Code: DYL
www.deepyellow.com.au

Disclaimer

Forward Looking Statements

This presentation has been prepared by Deep Yellow Limited ("Deep Yellow"). The information contained in this presentation is of a general nature only and does not constitute and offer to issue, or to arrange an issue, of securities or financial products. The information contained in this presentation is not investment or financial product advice and is not intended to be used as the basis for making an investment decision. This presentation has been prepared without taking into account the investment objectives, financial situation or particular needs of any particular person.

Before making an investment decision on the basis of this presentation, the investor needs to consider, with or without the assistance of a financial advisor, whether the investment is appropriate with due regard for their particular investment needs, objectives and financial circumstances.

This presentation is based on company stock exchange announcements, stockbroker research and technical information believed to be reliable. To the maximum extent permitted by law, none of Deep Yellow's Directors, employees or agents, nor any other person accepts any liability, including, without limitation, any liability arising out of fault of negligence, for any loss arising from the use of the information contained in this presentation nor is any obligation assumed to update such information. In particular, no representation or warranty, express or implied, is provided as to its accuracy, completeness or currency of the information contained in this presentation. Deep Yellow accepts no obligation to correct or update the information or opinions expressed in it. Opinions expressed are subject to change without notice and reflect the views of Deep Yellow at the time of presenting.

Overview & Vision

- Corporate Profile
- Namibian Introduction
- Namibian Project Portfolio
- Flagship Projects
  - Omahola
    - TRS Option – *Innovation in action*
  - Shiyela Iron
- Summary and Conclusion

Commence uranium production in Namibia by 2014/5 and continue to successfully grow our uranium resource base through discovery, delineation and M&A

Corporate Profile

The Board

Mervyn Greene – Chairman
Greg Cochran – Managing Director
Martin Kavanagh – Executive Director
Gillian Swaby – N.E.D
Rudolf Brunovs – N.E.D (independent)
Mark Pitts – Company Secretary

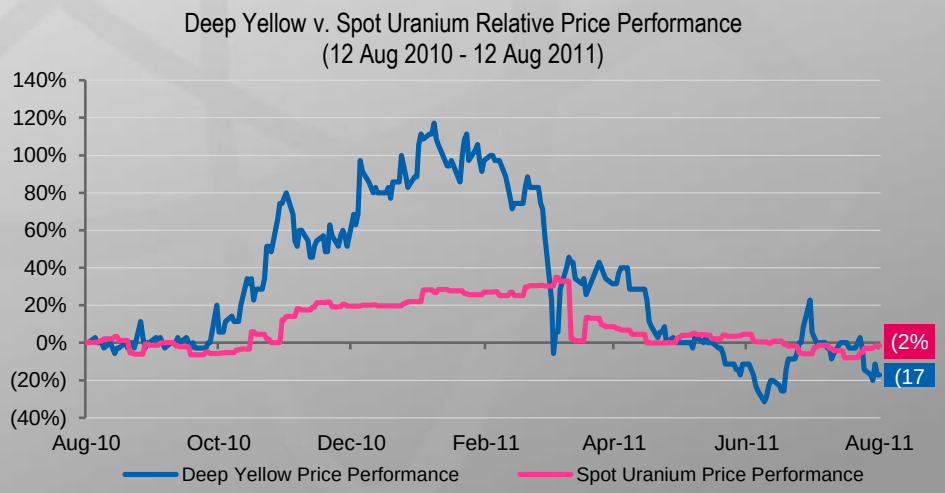
Capital Structure – as at 4 Nov2011

Shares on Issue	1,128.51 M
Unlisted Options/Perf. Rights	12.68 M
Market Cap (@ 13c)	147 M
Net Cash	~11.0 M
Major shareholders:	
Paladin Energy	19.94%
Board & Management	15.79%

Executives & Management

Greg Cochran – Managing Director
Martin Kavanagh – Executive Director
Leon Pretorius – MD: Namibia
Ursula Pretorius – Financial Controller
Klaus Frielingsdorf – GM: Technical
Werner Messidat – GM: Projects

Trading History - Bloomberg



Namibia – Introduction

Marenica – Marenica Energy Limited
(100ppm cut-off)
196 Mt @ 169ppm: 73 Mlbs

Trekkopje – Areva
(100ppm cut-off)
335 Mt @ 149ppm: 110 Mlbs

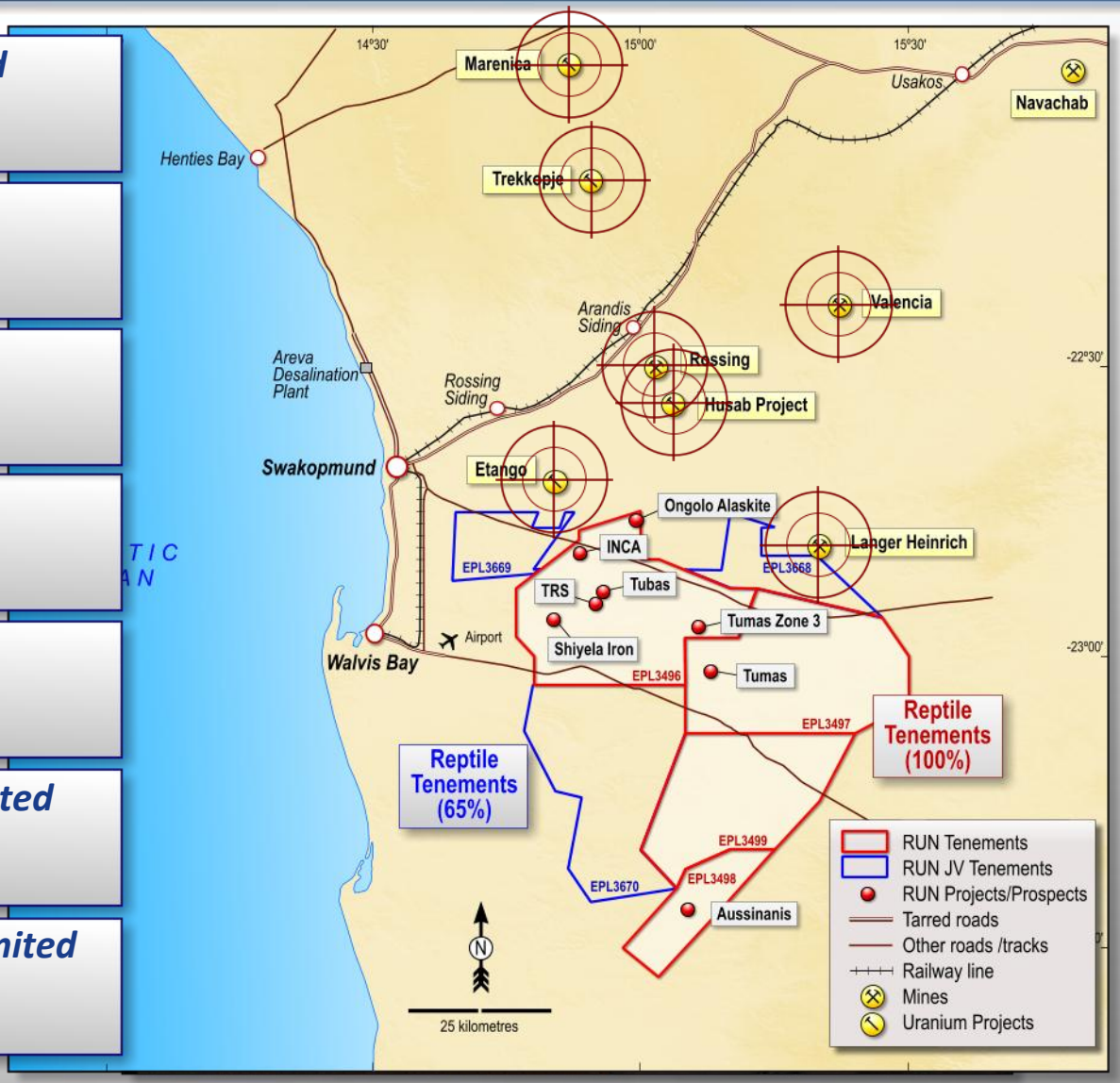
Valenica – Forsys Metals
(67ppm cut-off)
176 Mt @ 156ppm: 61 Mlbs

Rossing – Rossing Uranium Limited
(100ppm cut-off)
246 Mt @ 252ppm: 137 Mlbs

Husab – Extract Resources Limited
(100ppm cut-off)
241 Mt @ 480ppm: 257 Mlbs

Etango – Bannerman Resources Limited
(100ppm cut-off)
336 Mt @ 201ppm: 149 Mlbs

Langer Heinrich – Paladin Energy Limited
(250ppm cut-off)
110 Mt @ 550ppm: 134 Mlbs



The land of elephants?

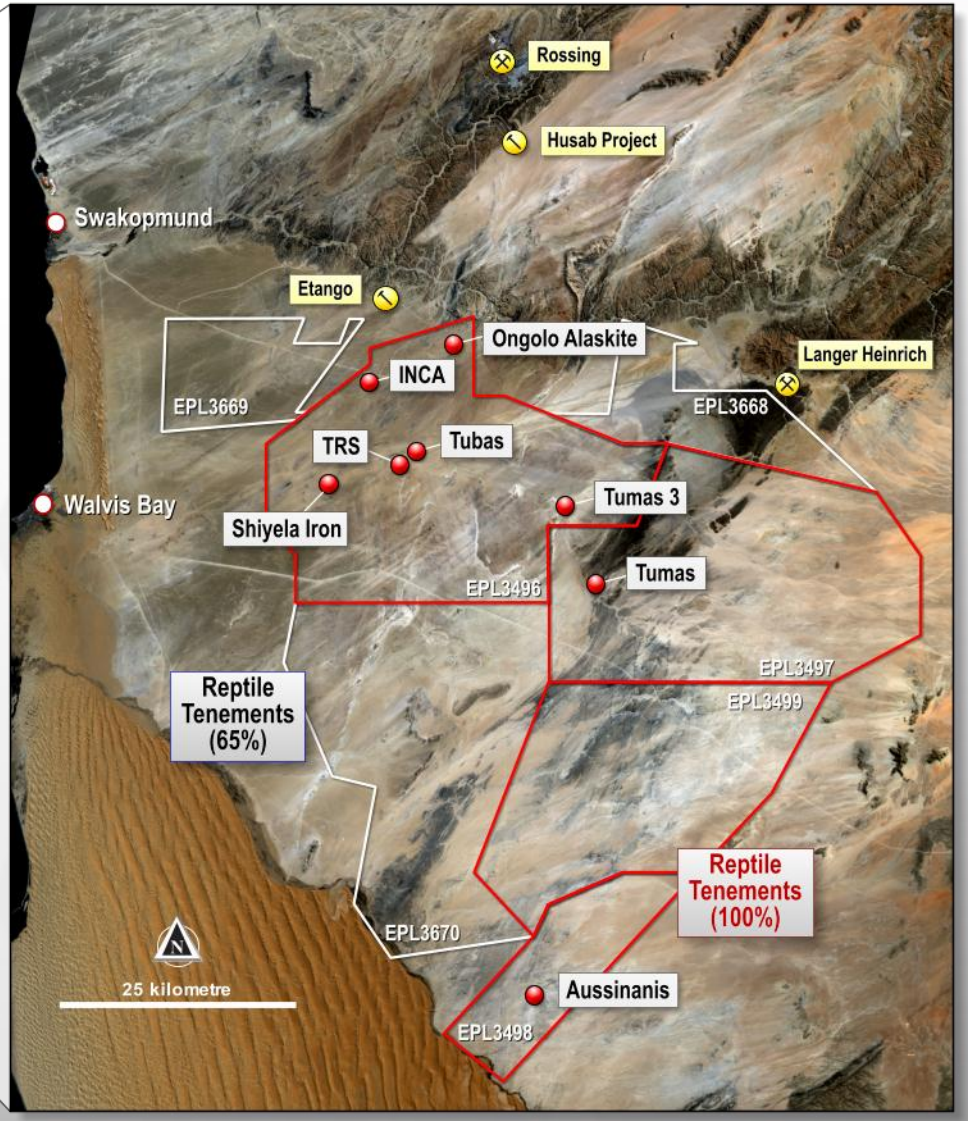
Size is not the only criteria!

Deep Yellow's Quality Criteria:

- Grade:
  - ~300ppm U_3O_8 for palaeochannel and sheetwash calcretes
  - ~400ppm U_3O_8 for hard rock open pit deposits (alaskites)
  - ~1,000ppm U_3O_8 for potential underground deposits
- Minimum 18Mlbs U_3O_8 per deposit with upside (15 yr mine life)
- Minimum production profile ~2.2Mlbs per operation
- No refractory uranium minerals
- Resource inventory ~100Mlbs U_3O_8 – to enable long term offtake agreements
- Unlock the potential of low grade (~150ppm) aeolian sand deposit by physical beneficiation

More attractive economics allows us to concentrate on smaller deposits with a real chance of success

Namibian Tenements – Reptile Uranium*



4,195 km² exploration area:
107.4Mlbs in resources

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

Namibian Project Portfolio

OMAHOLA PROJECT

ONGOLO & MS7 ALASKITE	INCA URANIFEROUS MAGNETITE	TUBAS RED SAND (TRS)
JORC resource: 20.3Mlbs	JORC resource: 13.4Mlbs	JORC resource: 4.9Mlbs
Primary mineralisation	Primary mineralisation	Secondary mineralisation
Open Pit Hardrock – Drill & blast	Open Pit Hardrock – Drill & blast	Free dig/physical beneficiation
Acid plant treatment	Acid plant treatment	Acid or alkali plant treatment
Cut-off/Grade: 250&300/401ppm	Cut-off/Grade: 250ppm/405ppm	Cut-off/Grade: 100ppm/160ppm

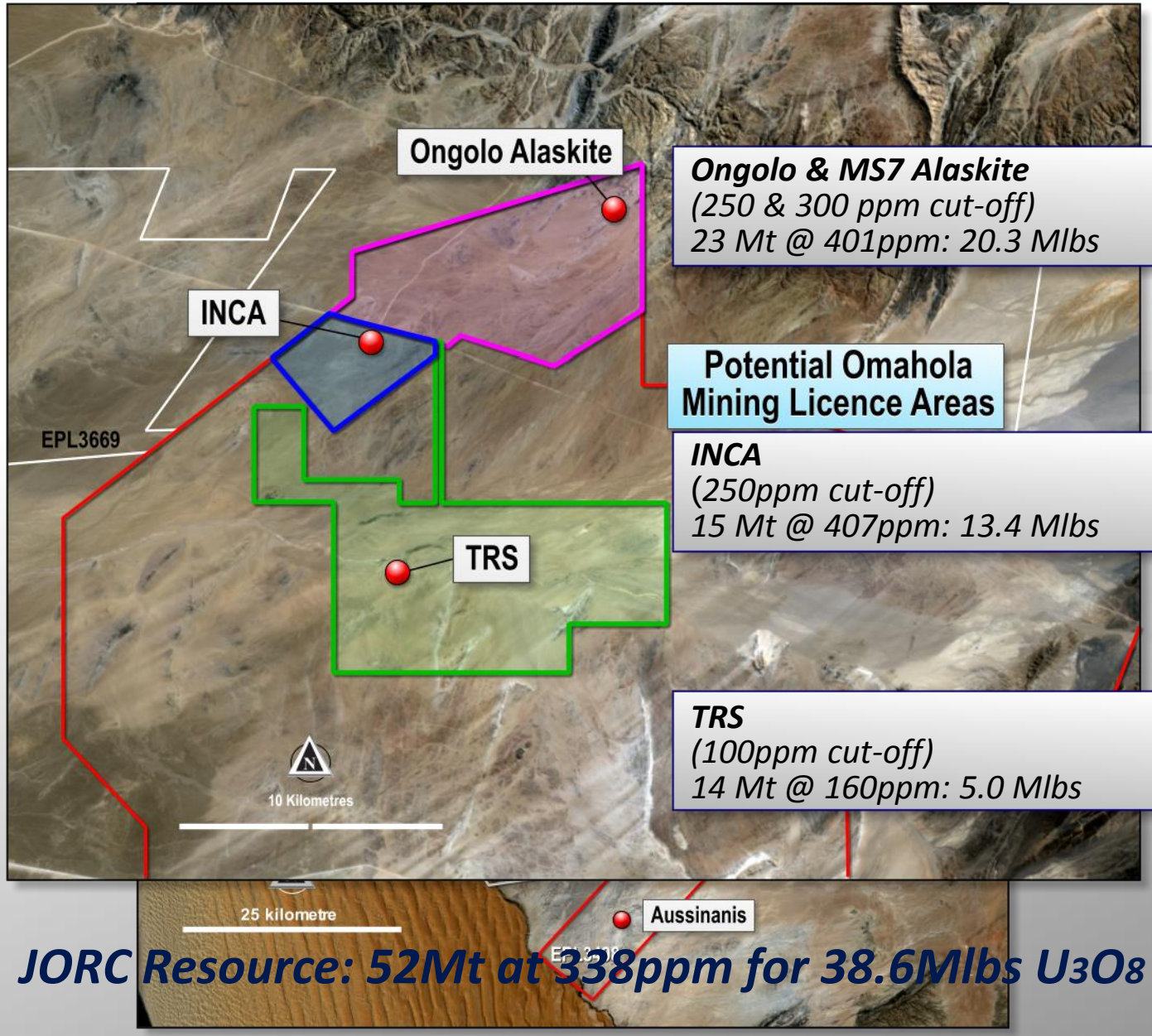
Three deposits feeding a central plant

ADVANCED EXPLORATION

TUBAS-TUMAS PALAEOCHANNEL	AUSSINANIS Project	SHIYELA IRON Project
JORC Resource: 50.8Mlbs	JORC Resource: 18.0Mlbs	Mineralisation: Magnetite +
Secondary mineralisation	Secondary mineralisation	Open Pit Hardrock – Drill & blast
Calcrete & sand hosted	Sheetwash deposit	Drilling complete
Free dig &/or drill & blast	Free dig &/or drill & blast	Resource work underway
Alkali plant treatment	Alkali plant treatment	Target: 150Mt, Recovery > 20%
Grade: 250ppm	Cut-off/Grade: 150ppm/237ppm	Scoping Study 2011

A multi-project company

Omahola Project - Location



Ongolo & MS7 Alaskite
(250 & 300 ppm cut-off)
23 Mt @ 401ppm: 20.3 Mlbs

Potential Omahola Mining Licence Areas

INCA
(250ppm cut-off)
15 Mt @ 407ppm: 13.4 Mlbs

TRS
(100ppm cut-off)
14 Mt @ 160ppm: 5.0 Mlbs

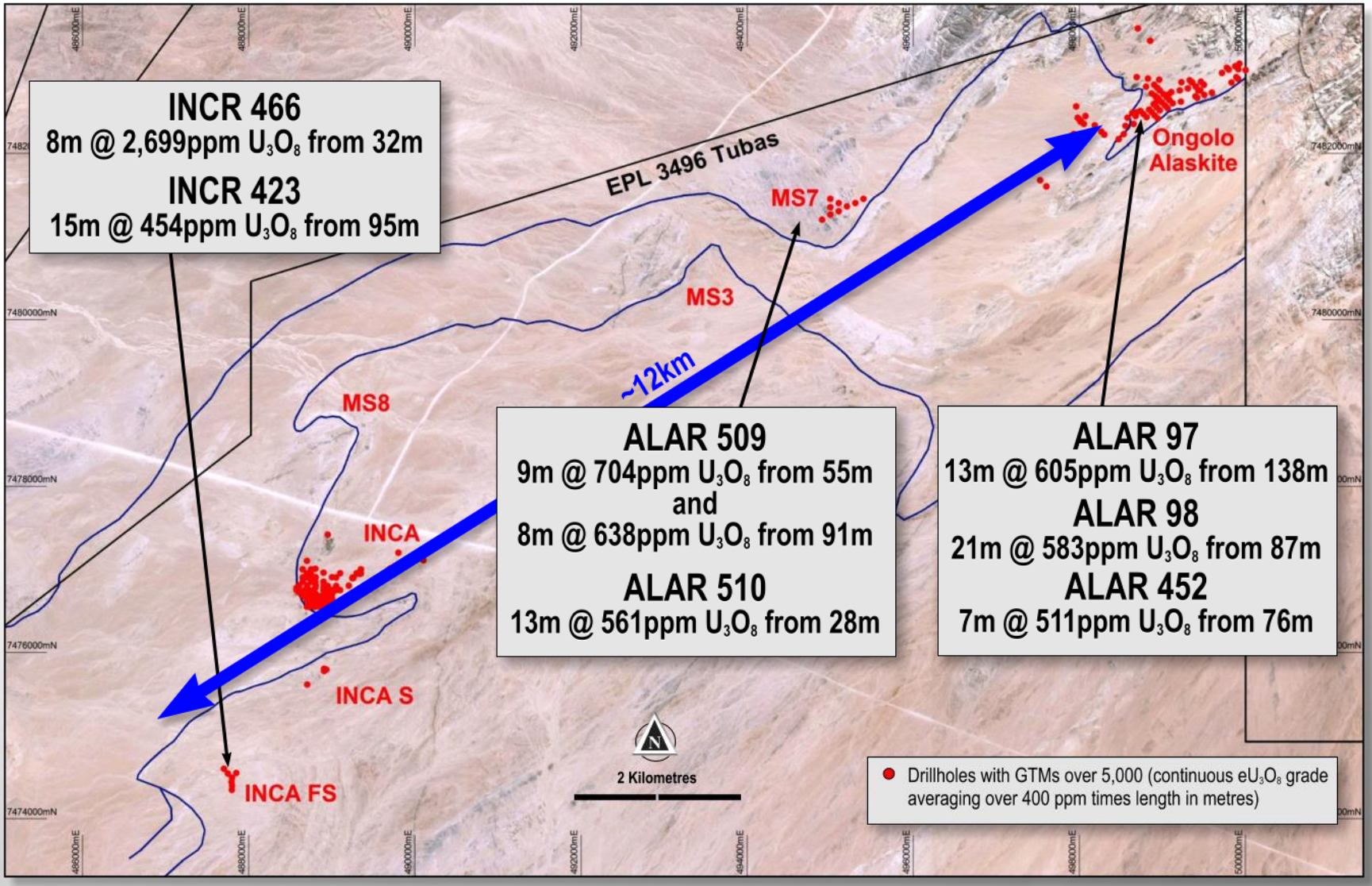
JORC Resource: 52Mt at 338ppm for 38.6Mlbs U_3O_8

Omahola Project - Overview

- Three Deposits feeding common plant:
  - **Ongolo** – High-grade alaskite hosted uranium mineralisation
  - **INCA** – Unique high grade uranium, magnetite and pyrite mineralisation
  - **Tubas Red Sand** – Low grade surficial sands upgradeable by physical beneficiation
- Hard rock Resource:
  - 38.1Mt @ 404ppm for 33.7Mlbs
- Interim PFS Results (SNC-Lavalin)
  - 2.2Mlbspa operation
  - Minimum 12 year mine life
  - Open pit / Surface Mining
  - Conventional acid based processing plant
  - Capex: ~US$330M & Opex: ~US$26/lb

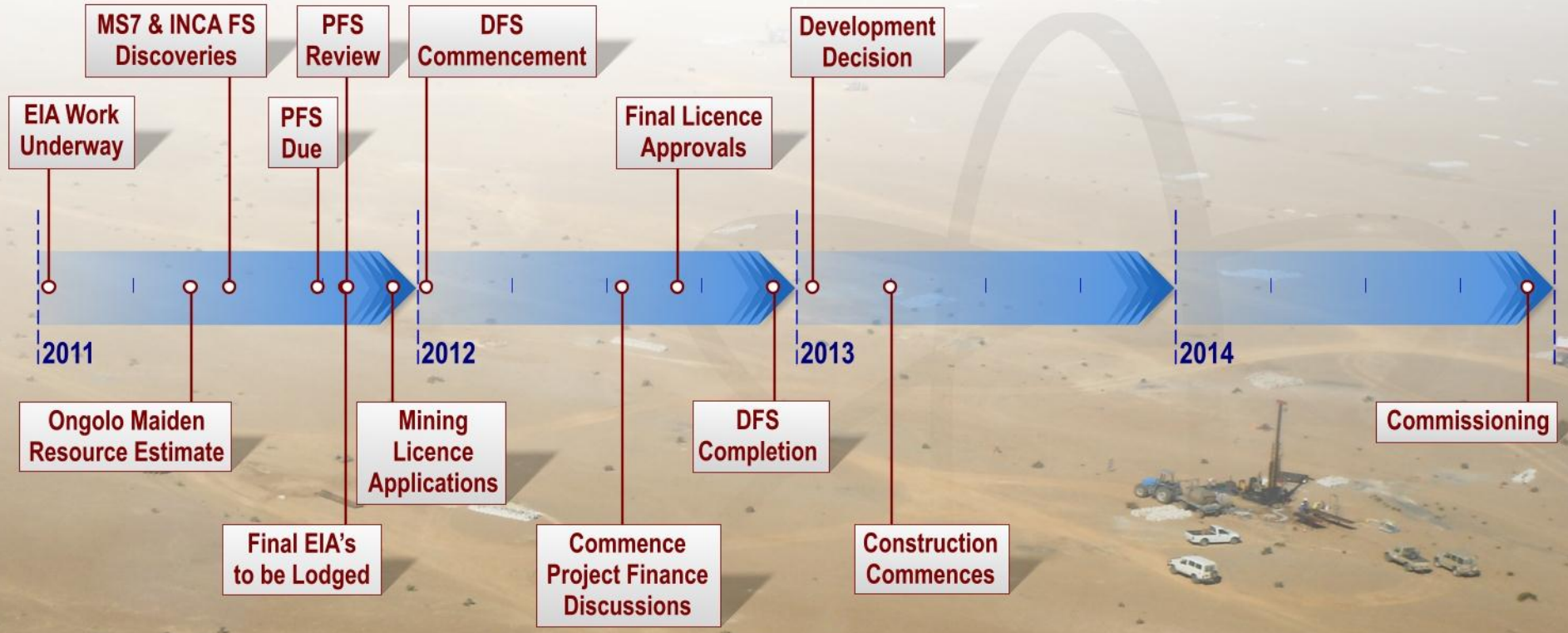
But critical mass still an issue….

Omahola Project – Exploration Success



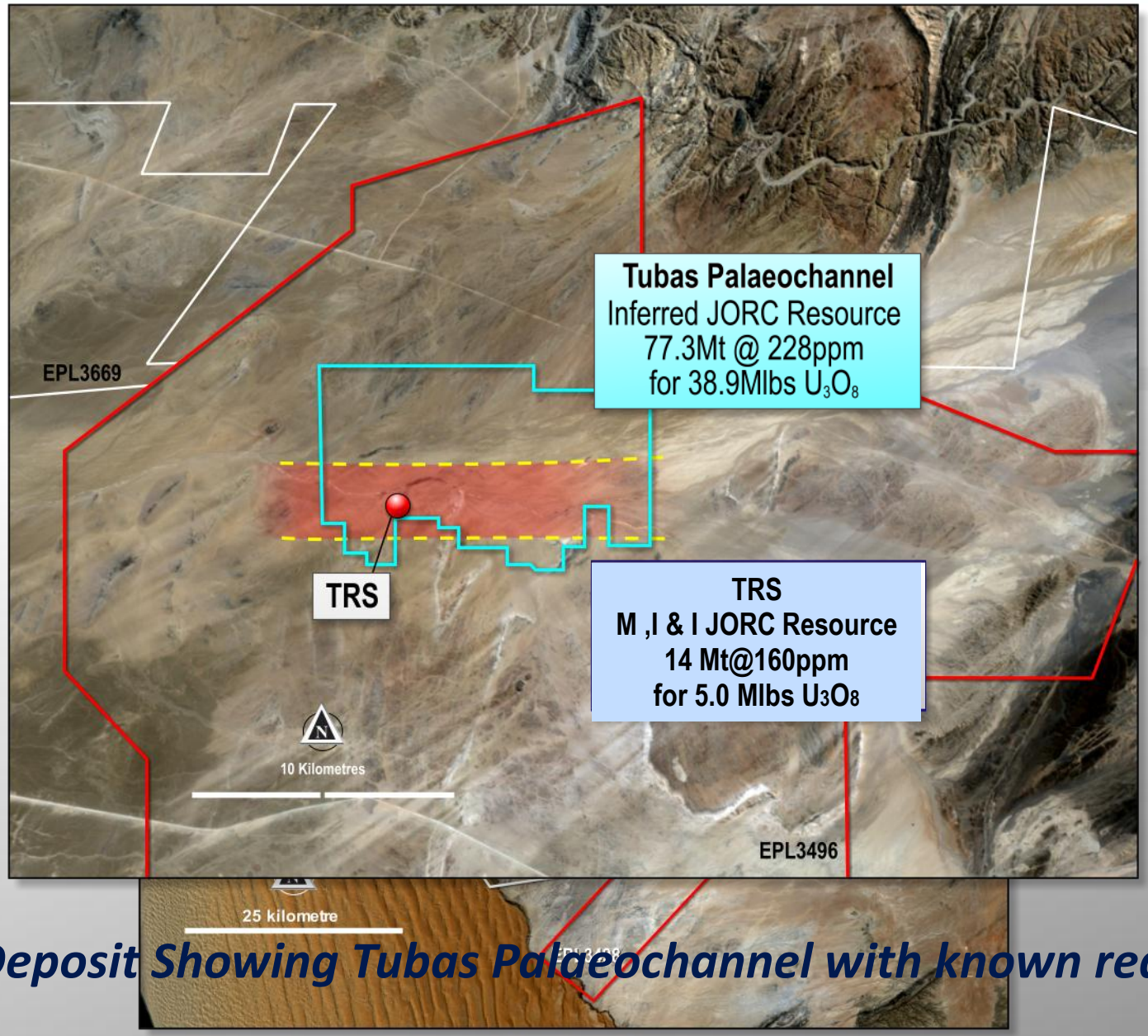
Resource Base is growing rapidly to address critical mass issue…

Omahola Project – Timeline



Multiple Development Options

TRS Deposit – Innovation in Action



TRS Deposit Showing Tubas Palaeochannel with known red sand

TRS Deposit – Innovation in Action

Tubas Red Sand Deposit Characteristics:

- Well-sorted wind-blown sand, low grade uranium
- Free flowing/loosely consolidated
- Large area south of the Tubas palaeochannel
- Bulk of uranium in -20µm fraction

Objective:

- Concentrate maximum uranium in minimum volume through physical beneficiation

Process:

Hydrocyclone → Scrubbing → Hydrosort → 3 X Hydrocyclones

TRS Deposit – Innovation in Action

Trench for Bulk Sample

Carnotite in Red Sand

TRS Deposit – Innovation in Action

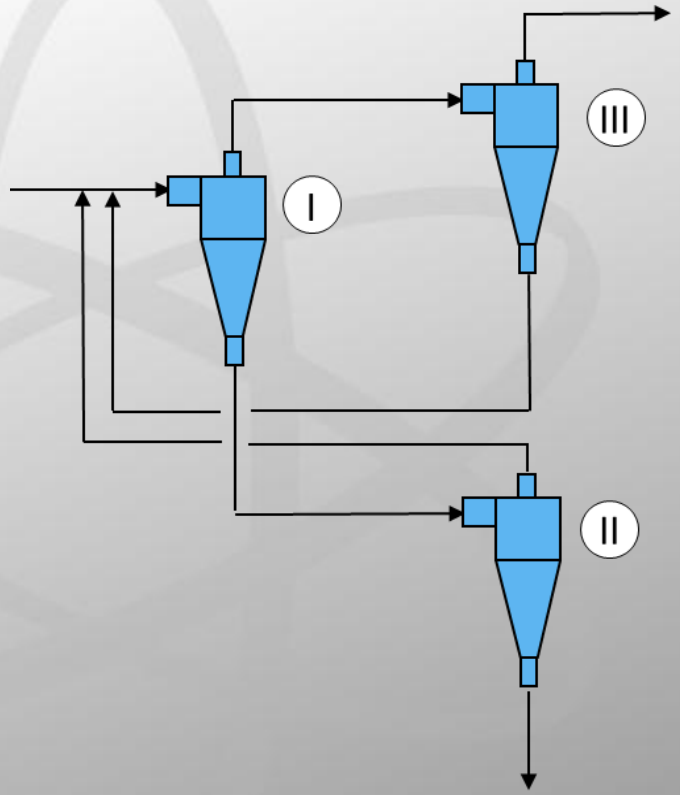
Schauenburg Pilot Plant in Operation

TRS Deposit – Innovation in Action

Successful Schauenburg Pilot Plant Test:

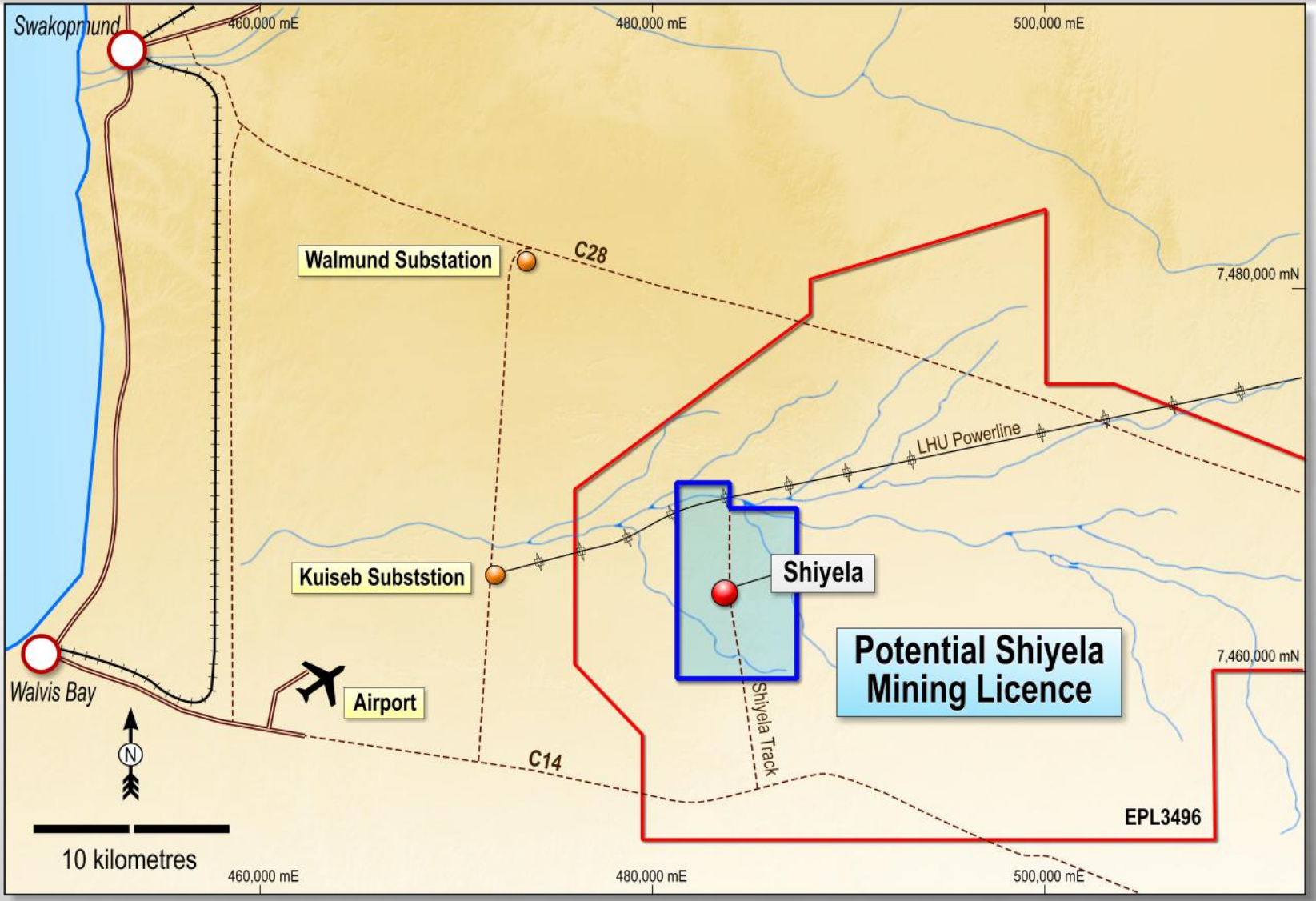
- Simple, non-chemical process
- Recovery >80% in <20% volume
- Carbonate reduction >80%
- Mass pull between 10% ~ 20%
- Uranium upgrade factor 7.9 (at 10%)
- Process guarantee offered
- Resource upgrade underway
- Produce an intermediate product?

Pilot Plant Schematic



TRS – A Standalone Project?

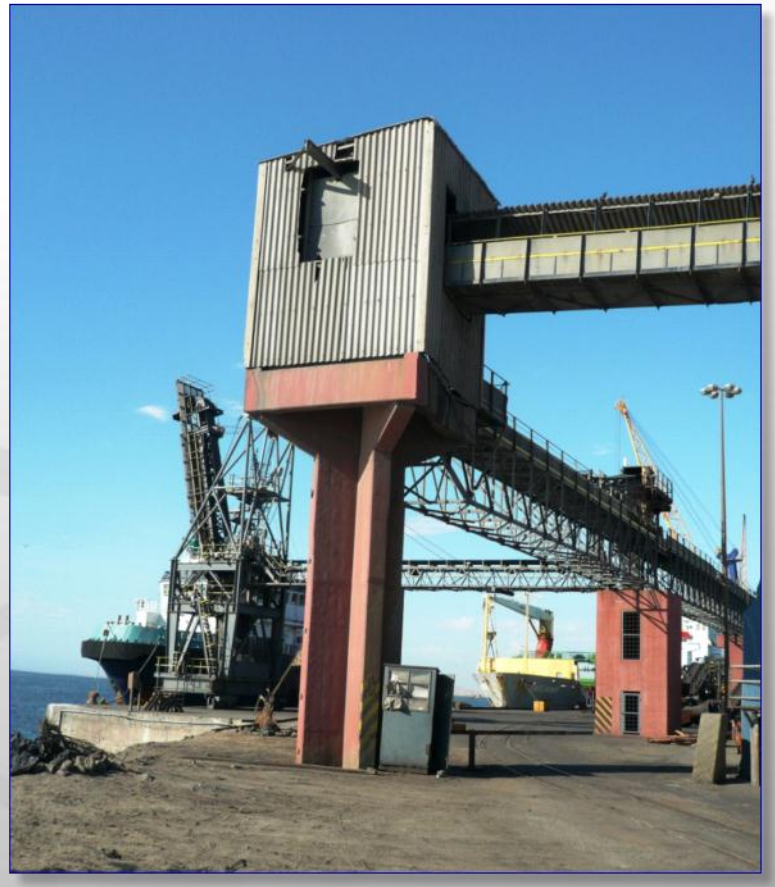
Shiyela Iron Project - Location



Clear Infrastructure advantage – power and 45 kilometres by road from Walvis Bayport

Shiyela Iron Project - Overview

- Infrastructure
- Low strip ratio
- Likely Low Capex
- Fast Track development
- Exploration upside
- Outstanding coarse product
  - 150 µ Blast Furnace Grade



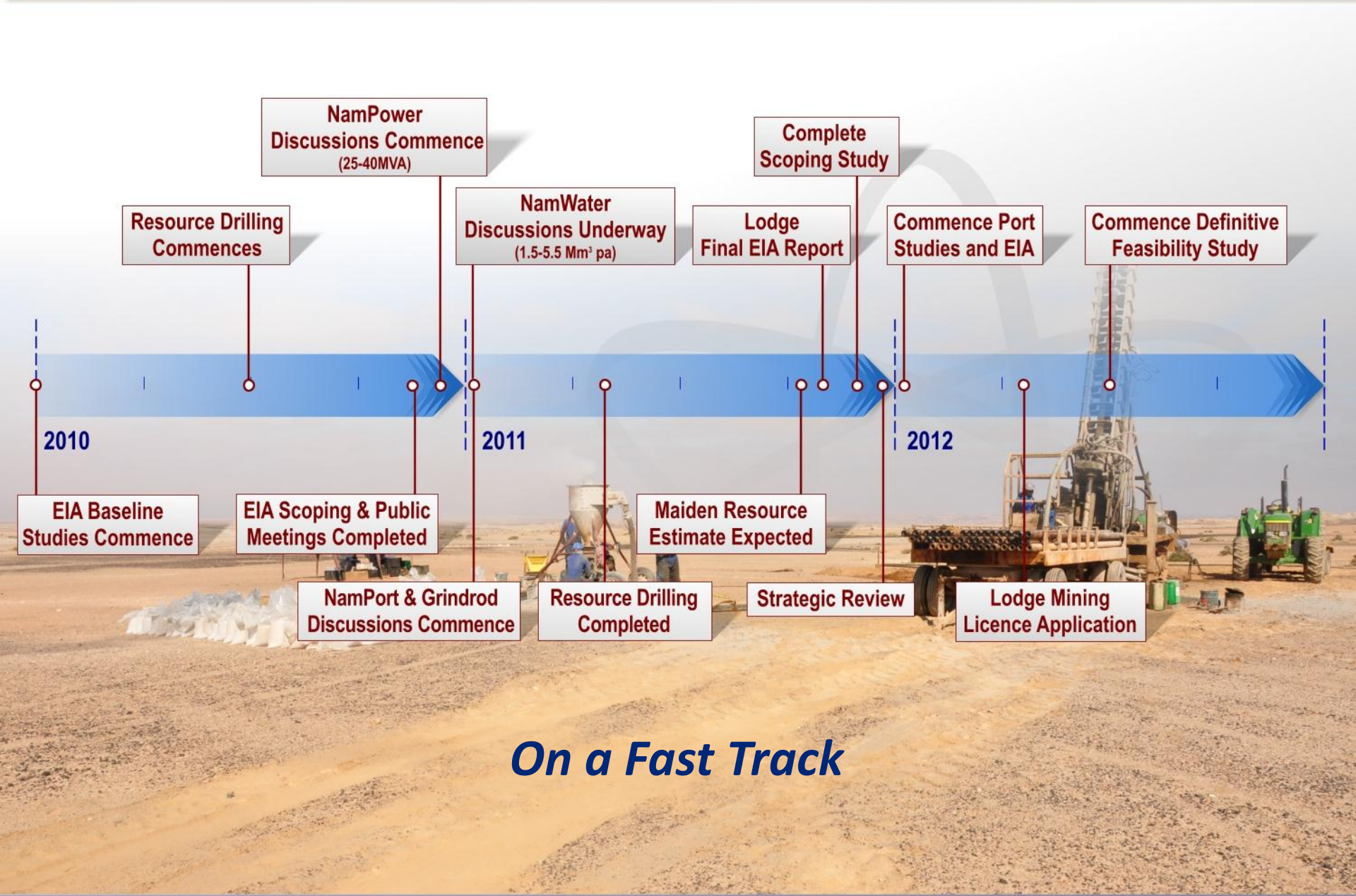
Fe	SiO_2	Al_2O_3	P	S	LOI
69.70	1.66	0.99	0.005	0.073	-3.23

Shiyela has clear competitive advantages

Shiyela Iron Project – Results

- Initial programme designed to drill out:
  - 120 to 150Mt of ore at 20% recovery
  - ~30Mt high-grade magnetite
  - ~15 year mine life at 2Mtpa
- Drilling completed April 2011
- Golder Associates (Perth) for JORC estimate
- ProMet (Perth) – Scoping Study Underway
- Discussions underway:
  - Namport & Grindrod
  - NamWater
  - NamPower

Shiyela Iron Project – Timeline



On a Fast Track

Summary and Conclusion

- Ongolo & MS7 JORC Resource delivered ✓
- Successful TRS Beneficiation Trial ✓
- INCA & TRS EIA's completed & submitted ✓
- Shiyela EIA completed & submitted ✓
- TRS Deposit upgrade underway for standalone project ✓
- Mining Licence applications for TRS/INCA imminent
- Omahola PFS Ongoing
- Continued exploration success at Ongolo & MS7
- Shiyela resource and scoping study

A multi-project company advancing its flagship projects towards development

Contact Details

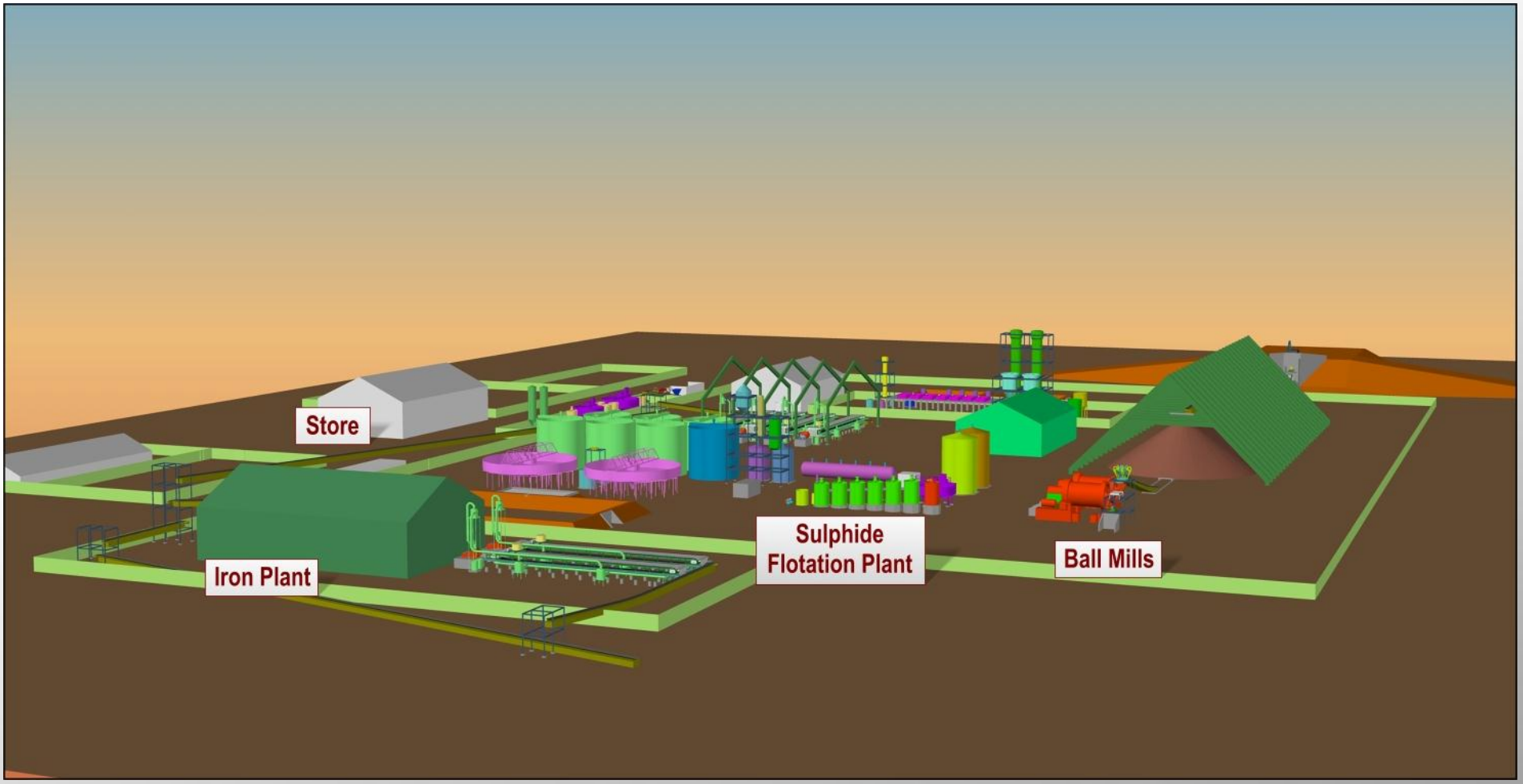
Greg Cochran
Managing Director

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

Email: info@deepyellow.com.au
Website: www.deepyellow.com.au

Appendices

Omahola Project – Proposed Plant Layout



Opportunity to optimise design as Ongolo Alaskite resource grows

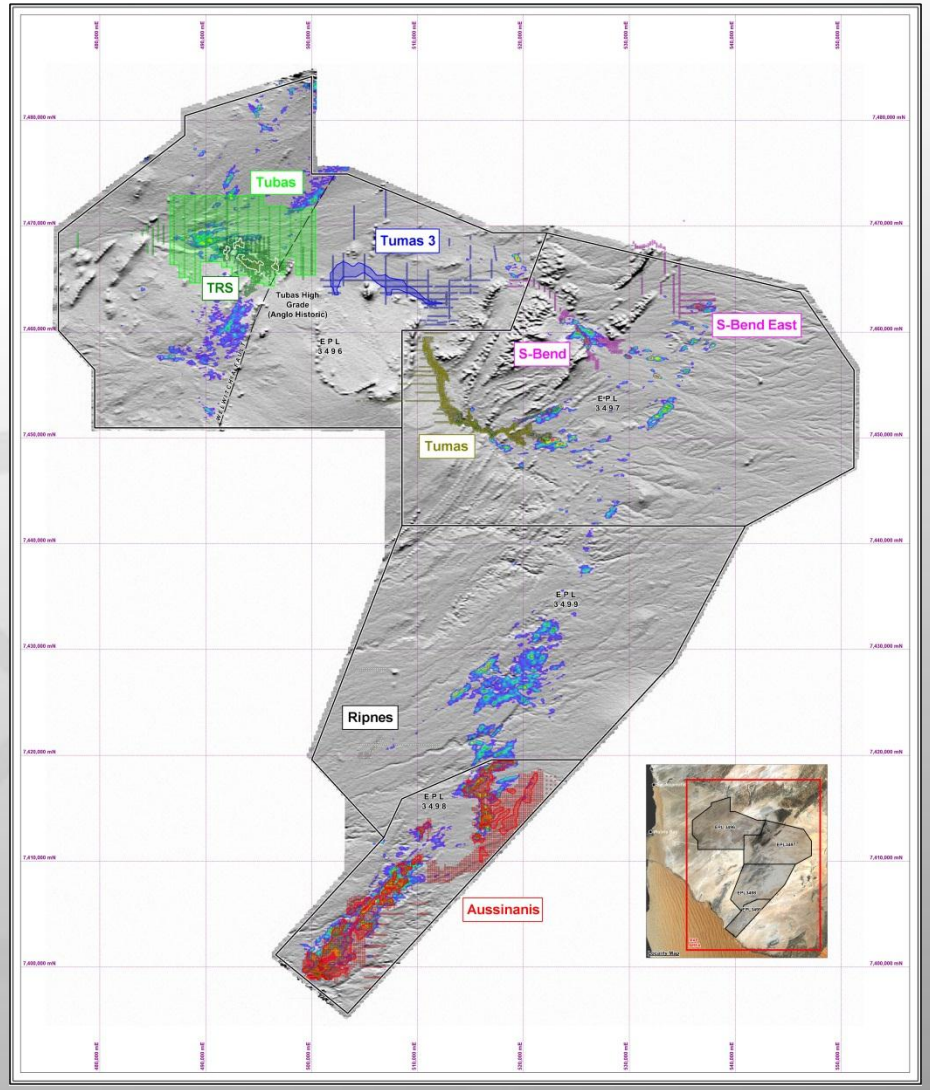
Namibian Palaeochannels

Tubas (Inferred)
(100ppm cut-off)
77.3 Mt @ 228ppm: 39 Mlbs

Tumas (Indicated & Inferred)
(200ppm cut-off)
14.8 Mt @ 366ppm: 12 Mlbs

Aussinanis (Indicated & Inferred)
(150ppm cut-off)
34.6 Mt @ 237ppm: 18 Mlbs

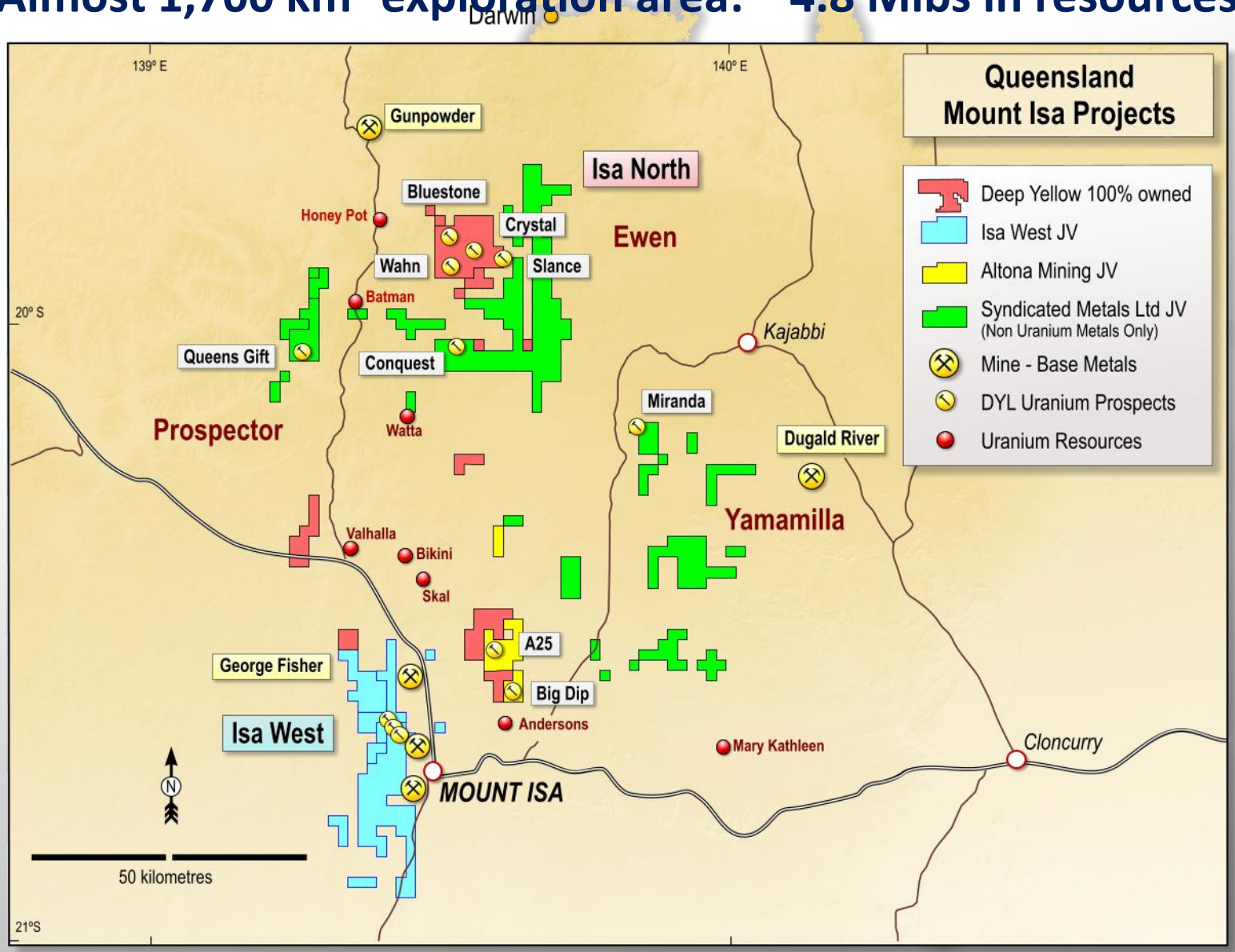
Tumas 3 – Conceptual Exploration Target
(200ppm cut-off)
10 ~ 30 Mt @ 300 ~ 400ppm



Large, shallow resource base with significant exploration upside

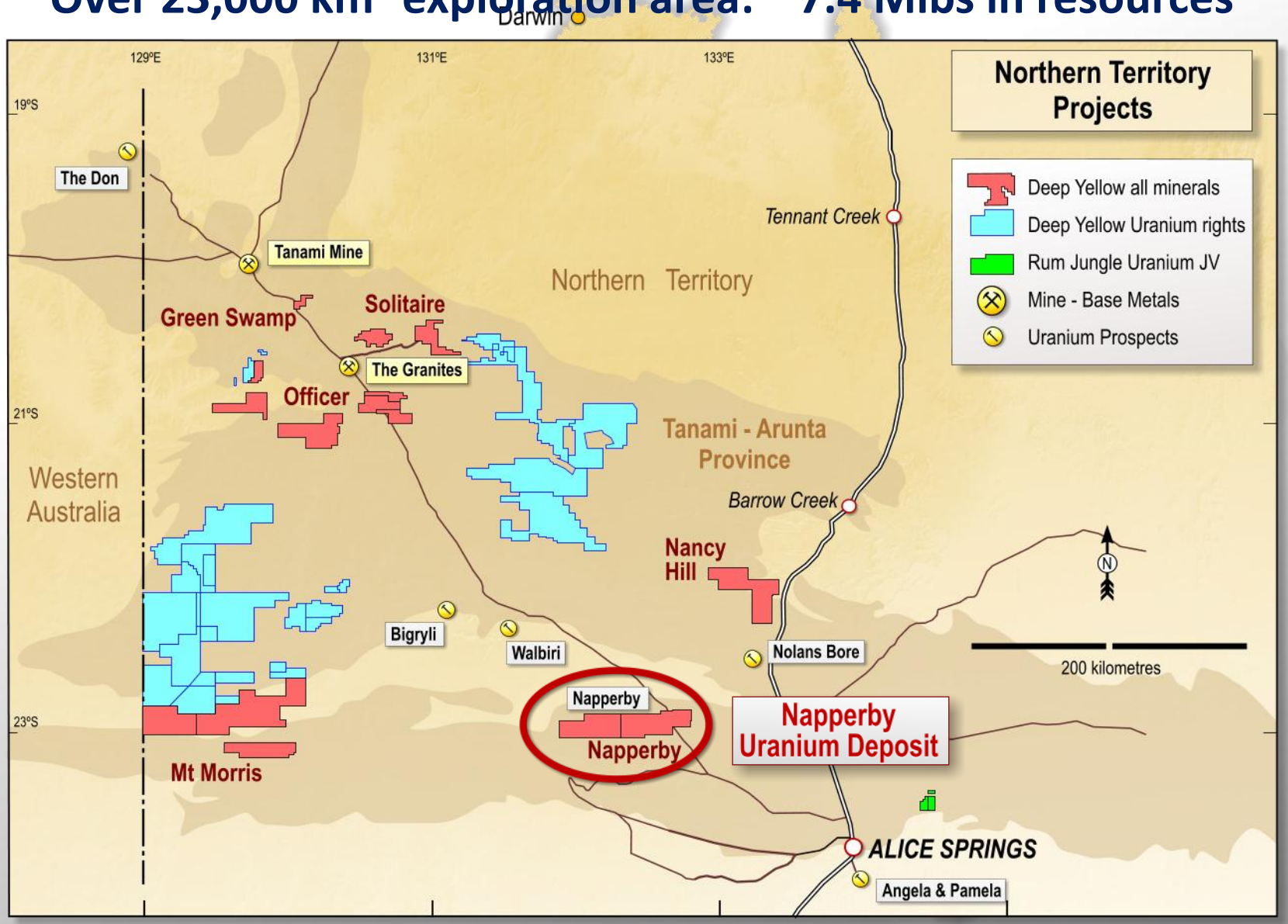
Australia - Queensland

Almost 1,700 km^2 exploration area: 4.8 Mlbs in resources



Australia – Northern Territory

Over 23,000 km² exploration area: 7.4 Mlbs in resources



JORC Resource Summary – Namibia (11/11)

Deposit	Category	Cut-off (ppm U_3O_8)	Tonnes (M)	U_3O_8 (ppm)	U_3O_8 (t)	U_3O_8 (Mlb)
REPTILE URANIUM NAMIBIA (NAMIBIA)						
Omahola Project						
INCA ♦	Indicated	250	9.4	385	3,628	8
INCA ♦	Inferred	250	5.5	445	2,449	5.4
Ongolo	Indicated	250	14.7	410	6,027	13.2
Ongolo	Inferred	250	5.8	380	2,204	4.8
MS7	Inferred	300	2.7	400	1,080	2.3
Tubas Red Sand ♦	Measured /Indicated	100	3.2	168	532	1.2
Tubas Red Sand ♦	Inferred	100	10.7	158	1,685	3.7
Omahola Project Total			52.0	338	17,605	38.6
Tubas-Tumas Palaeochannel Project						
Tumas ♦	Indicated	200	14.4	366	5,270	11.6
Tumas ♦	Inferred	200	0.4	360	144	0.3
Tubas	Inferred	100	77.3	228	17,612	38.9
Tubas-Tumas Project Total			92.1	250	23,026	50.8
Aussinanis Project						
Aussinanis ♦	Indicated	150	5.6	222	1,243	2.7
Aussinanis ♦	Inferred	150	29	240	6,960	15.3
Aussinanis Project Total			34.6	237	8,203	18.0
RUN TOTAL - NAMIBIA			178.7	273	48,834	107.4

Notes: Figures have been rounded and totals may reflect small rounding errors.
XRF chemical analysis unless annotated otherwise.
♦ eU_3O_8 - equivalent uranium grade as determined by downhole gamma logging.
Combined XRF Fusion Chemical Assays and eU_3O_8 values.

JORC Resource Summary – Aus (11/11)

Deposit	Category	Cut-off (ppm U_3O_8)	Tonnes (M)	U_3O_8 (ppm)	U_3O_8 (t)	U_3O_8 (Mlb)
NAPPERBY PROJECT (NT, AUSTRALIA)						
Napperby	Inferred	200	9.3	359	3,351	7.4
NAPPERBY TOTAL			9.3	359	3,351	7.4
MOUNT ISA PROJECT (QLD, AUSTRALIA)						
Mount Isa	Indicated	300	2.2	470	1,050	2.31
Mount Isa	Inferred	300	2.5	450	1,120	2.48
MOUNT ISA TOTAL			4.7	460	2,170	4.8
AUSTRALIA TOTAL			14.0	393	5,521	12.2
DEEP YELLOW TOTALS						
TOTAL INDICATED RESOURCES			49.5	358	17,750	39.01
TOTAL INFERRED RESOURCES			143.2	256	36,605	80.58
TOTAL RESOURCES			192.7	282	54,355	119.6

Notes: Figures have been rounded and totals may reflect small rounding errors.
XRF chemical analysis unless annotated otherwise.

- ♦ eU_3O_8 - equivalent uranium grade as determined by downhole gamma logging.
- # Combined XRF Fusion Chemical Assays and eU_3O_8 values.

JORC Compliance Statements

Namibia

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Dr Leon Pretorius, a Fellow of the Australasian Institute of Mining and Metallurgy. Dr Pretorius, Managing Director of 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 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 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 **MS7** Mineral Resource is based on work completed by Mr Neil Inwood; for the **INCA** Mineral Resource on work completed by Mr Neil Inwood and Mr Steve Le Brun – Mr Inwood will supply consent for the Inca Resource; and for the Ongolo Mineral Resource on work completed by Mr Neil Inwood and Mr Doug Corley. Mr Inwood is a Fellow of the Australasian Institute of Mining and Metallurgy and Mr Corley is a member of the Australian Institute of Geoscientists. Messrs Inwood and Corley have sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which they are 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'. Messrs Inwood and Corley consent to the inclusion in the report of the matters based on his information in the form and context in which it appears. Messrs Inwood and Corley are full-time employees of Coffey Mining.

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 **Tubas Red Sand** Mineral Resource is based on information compiled by Mr Mike Hall, who is a Member of The Australasian Institute of Mining and Metallurgy. Mr Hall is Consulting Geologist Resources with the MSA Group 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 Hall consents to the inclusion in the report of the matters based on his information in the form and context in which it appears. Information in this report has also been verified by Mr Mike Venter, who is a member of the South African Council for Natural and Scientific Professions (SACNASP), a 'Recognised Overseas Professional Organization' (ROPO). Mr Venter is Regional Consulting Geologist, with The MSA Group 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 Venter has visited the project sites to review drilling, sampling and other aspects of the work relevant to this announcement. Mr Venter 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 **Tubas** 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.

JORC Compliance Statements

Queensland

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Martin Kavanagh, a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Kavanagh is an Executive Director of Deep Yellow Limited 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 Kavanagh 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 Queensland Mineral Resource is based on information compiled by Mr Neil Inwood. Mr Inwood is a Member of The Australasian Institute of Mining and Metallurgy. Mr Inwood is employed by Coffey Mining Pty Ltd 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 Inwood consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Northern Territory

The information in this report that relates to the **Napperby Project** Mineral Resource is based on information compiled by Mr Daniel Guibal who is a Fellow (CP) of the Australasian Institute of Mining and Metallurgy. Mr Guibal is a full time employee of SRK Consulting 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 Guibal consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Where eU3O8 values are reported it relates to values attained from radiometrically logging boreholes with Auslog equipment using an A675 slimline gamma ray tool. All probes are calibrated either at the Pelindaba Calibration facility in South Africa or at the Adelaide Calibration facility in South Australia.