

MARMOTA ENERGY LIMITED MEU

Uranium Conference

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Senior Project Geologist



Forward Looking Statements

"These materials include forward looking statements. Forward looking statements inherently involve subjective judgement and analysis and are subject to significant uncertainties, risks and contingencies, many of which are outside of the control of, and may be unknown to, the Company. Actual results and developments may vary materially from those expressed in these materials. The types of uncertainties which are relevant to the Company may include, but are not limited to, commodity prices, political uncertainty, changes to the regulatory framework which applies to the business of the Company and general economic conditions. Given these uncertainties, readers are cautioned not to place undue reliance on such forward looking statements.

Forward looking statements in these materials speak only at the date of issue. Subject to any continuing obligations under applicable law or any relevant stock exchange listing rules, the Company does not undertake any obligation to publicly update or revise any of the forward looking statements or any change in events, conditions or circumstances on which any such statement is based."



Marmota Energy (ASX: MEU) is a diversified mineral exploration and development company with key projects across the Cu-Ni, Cu-Au, uranium and iron spaces.

Capital Structure						
Shares	250.4 m					
Options	1.1 m					
Market Cap (at 7.5cps)	A\$18.8 m					
Cash (at 5 April 2013)	A\$3.8 m					
12 Month Trading Range	A\$0.03 - A\$0.29					

Board & Management					
Chairman	Bob Kennedy				
Managing Director	Dom Calandro				
Executive Director	Neville Alley				
Non-Executive Director	Glenn Davis				
CFO / Company Secretary	Virginia Suttell				



Multi commodity value proposition

Copper

Durkin copper/nickel

- Extensive outcrop discovered within 5 km long coincident copper/nickel-in-calcrete anomaly and magnetic target at Durkin copper/nickel prospect.
- Anomalous Cu, Ni, Co, Cr in surface outcrop, Cu grades of up to 2050ppm.
- Large scale EM conductors coincident with gravity and surface geochemical anomalies.
- Drilling 2013

Melton copper/gold

- Significant copper grades intersected in drilling.
- Results include 9m at 1.03% copper including 1m at 2.25% copper and 0.46 g/tonne gold intersected in drill hole MIRDD08.
- Significant grades of silver up to 112.1 g/tonne with elevated rare earths also returned from assay.
- Broad zone of copper mineralisation extending for at least 1.3 km defined in the partially drill tested Miranda target.
- Additional large scale targets to be tested adjacent to recent discoveries nearby to West Melton.



Gold

- Ready to drill targets with strong coincident geochemical and geophysical anomalies.
- Strategically located west of Kingsgate's Challenger Gold Mine.
- Project awarded funding by SA Gov.
- Drilling 2013

Aurora Tank

- Calcrete sampling defined a 2.2km long zone of anomalous gold.
- Previous drillholes intersected gold mineralised gneiss, grades up to 1.6g/t Au.

Nevada Gold Projects

 Gold up to 14.15 g/t and > 100 g/t silver intercepted in 2011, 12 drilling.



Uranium

Junction Dam

- High grades from assay of up to 8142 ppm U₃O₈
- 5.4 Mlb * uranium deposit defined with significant expansion potential along a 15 km strike length.
- Adjacent to operating ISL mine, close to Broken Hill.
- Strong positive disequilibrium factor ranging up to 2.2 facilitating an upward revision of Saffron deposit size.

Pundinya

- Exciting grades of up to 3200 ppm uranium returned from assay in drillholes completed on the project.
- Significant expansion potential.

* Upward revision of the Saffron deposit Inferred resource size as indicated above follows the application of an average positive disequilibrium factor of 1.63. This is an indicative result and further assessment is underway.



Iron

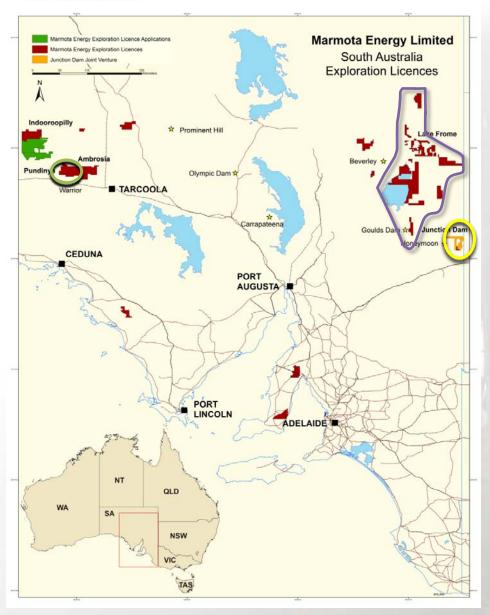
Western Spur

- Iron ore outcrops located 13 km from the Strzelecki Track, a major arterial road servicing gas fields to the north.
- 125 Mt first stage hematite exploration target.
- Grades of iron from outcrop sampling ranging up to 60% Fe.





Marmota Uranium Projects Map



South Australia:

- Pundinya
- C Lake Frome
- Junction Dam



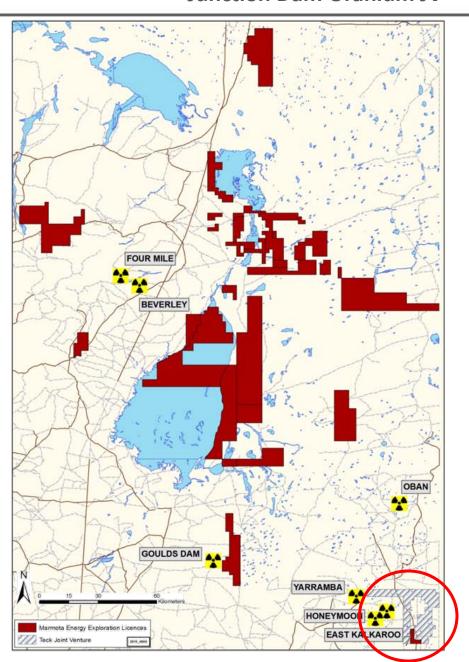


- Part of Marmota's large uranium portfolio.
- Adjacent to operating ISL mine, close to Broken Hill.
- JV with Teck Australia, PlatSearch, and Eaglehawk Consulting, where Marmota has earned 87.3% of the uranium rights on Junction Dam.
- 5.4 million pounds of mineralisation* located on one of three adjoining prospects
- Average grade 700 parts per million (.07%) eU₃O₈ for the basal mineralised layer
- High grades from assay of up to 8142 ppm U₃O₈, uranium deposit defined with significant expansion potential along a 15 km strike length.
- Strong positive disequilibrium factor ranging up to 2.2 facilitating an upward revision of previously announced high grade results.

Cautionary Statement: The initial estimate of U_3O_8 potential within the Junction Dam project is based on conservative grade estimates applied over a sedimentary 'roll front' strike length of 15km. Marmota notes that this initial view on an exploration target is conceptual in nature. There has been insufficient exploration to define this exploration potential as a Mineral Resource and it is uncertain if further exploration will result in the determination of such a Mineral Resource.

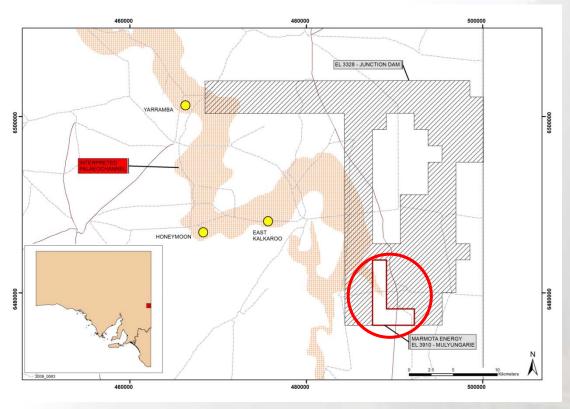
*It is uncertain if further exploration work or feasibility studies will result in the determination of an Ore Reserve

Upward revision of the Saffron deposit Inferred resource size as indicated above follows the application of an average positive disequilibrium factor of 1.63. This is an indicative result and further assessment is underway.





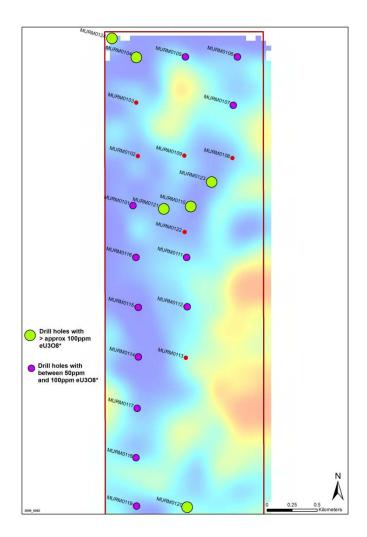
Junction Dam background - Mulyungarie Project

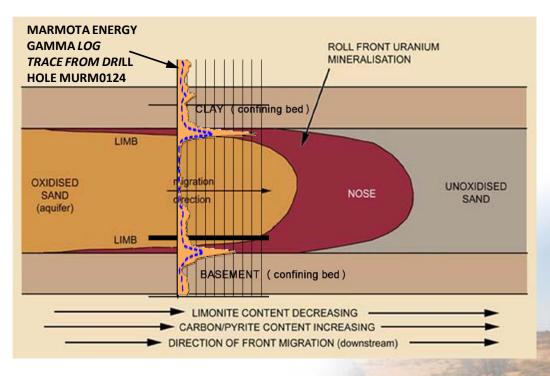


Early 2009, first phase drilling was completed by Marmota intersecting multiple occurrences of uranium on the Mulyungarie project nearby to the Honeymoon uranium mine

- Anomalous gamma readings in 18 drill holes
- Six holes return significant grade values eU₃O₈







Roll front uranium schematic model cross section overlain by downhole gamma trace from drill hole MURM0124. (Adapted from published sources)

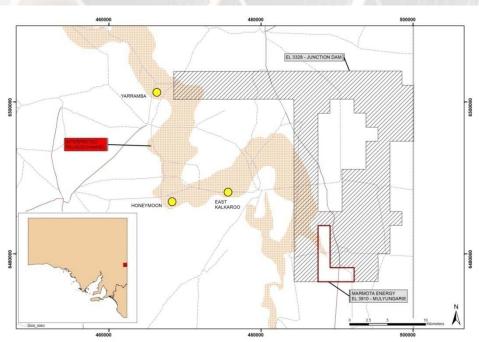
Mulyungarie drillhole locations with $eU_3O_8^*$ grades over Bouguer gravity image.

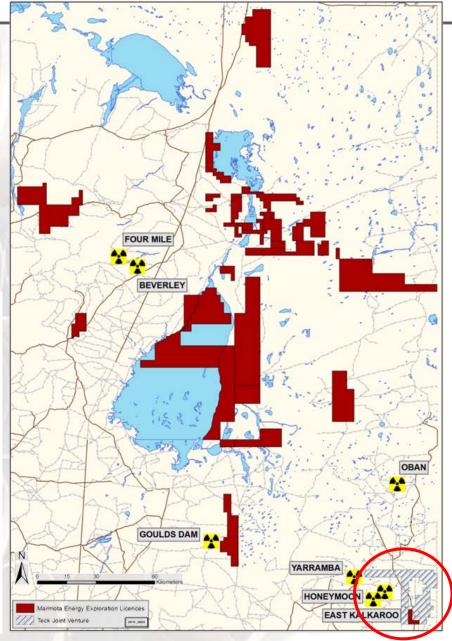
^{*}Equivalent grades (eU_3O_8) from Borehole Wireline Pty Ltd gamma probe 4174, calibrated at Adelaide Test Pits. Dead time 4.0474e-6, k factor 2.27899e-5, 108mm hole, water filled.

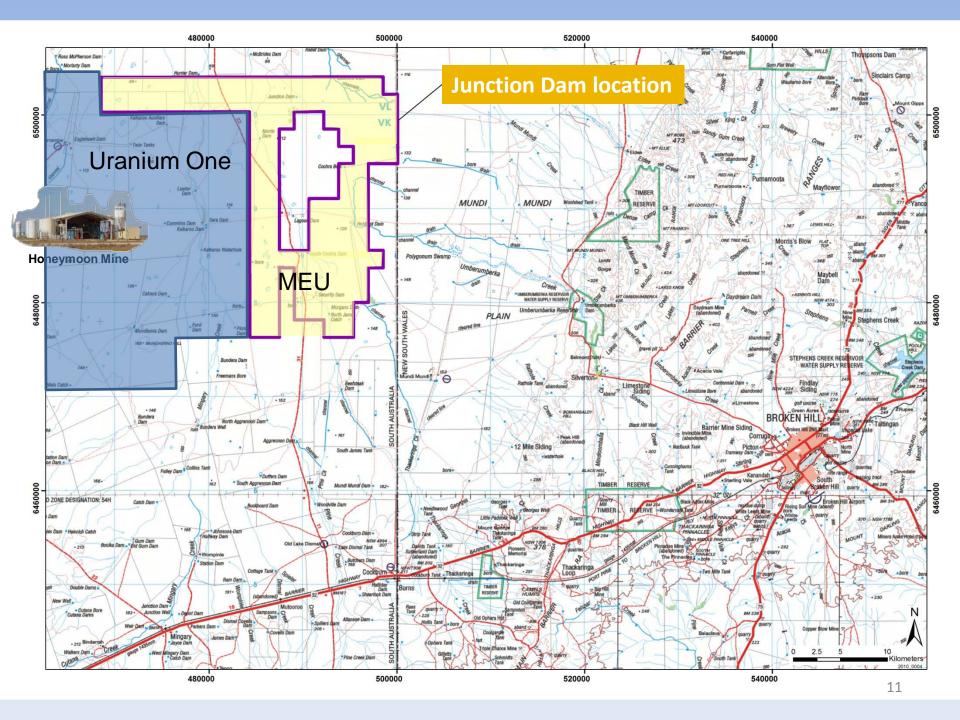


Junction Dam Uranium JV

- Extends Marmota's footprint in best uranium address in South Australia
- Junction Dam covers the eastern extension of the Yarramba Palaeochannel, which hosts the nearby Honeymoon uranium mine
- JV with Teck Australia, PlatSearch, and Eaglehawk Consulting, where Marmota has 87.3% of the uranium rights on Junction Dam



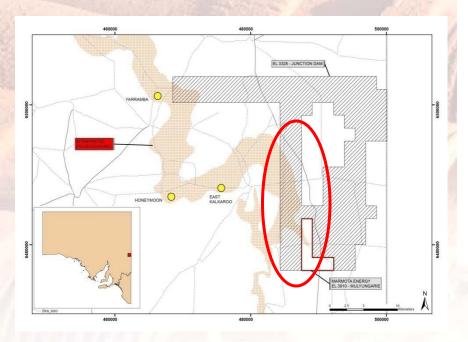


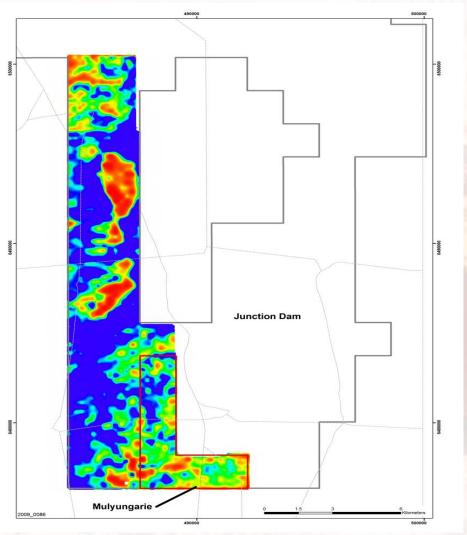




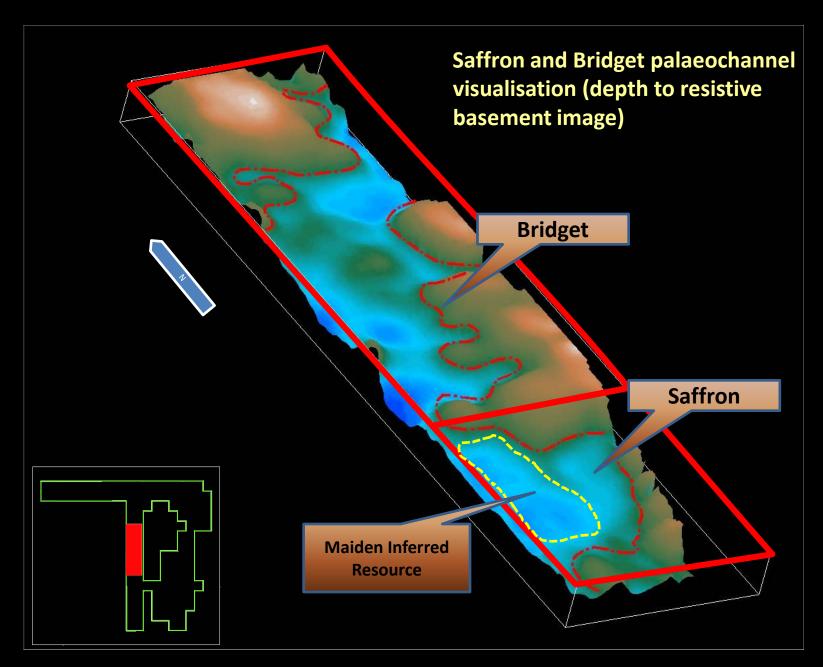
Junction Dam Exploration

- Exploration program was launched in mid September 2009.
- High resolution ground gravity survey over the western target zone was completed.
- Augmented by soil and radon surveys.
- Geophysics defined 20 km extent of the Yarramba Palaeochannel.

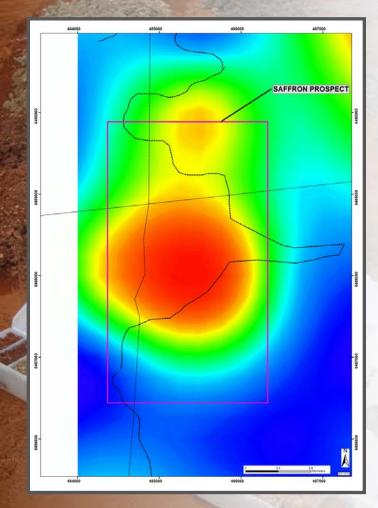




High resolution Bouguer gravity image.



MARMOTA



Broad spaced radon survey gridded data image. Radon high coincident with Saffron deposit location.



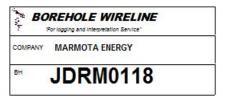
Radon data

- The element radon is the radioactive daughter product of radium decay. Radon occurs naturally as an indirect decay product of uranium or thorium.
- Marmota has been developing a radon tool for use in exploration.
- Radon data acquired over target areas at Junction Dam.
- Radon is potentially a good pathfinder element for uranium exploration.
- Radon is relatively inexpensive to measure and can be acquired at various resolutions.
- Assists with targeting for drill testing.

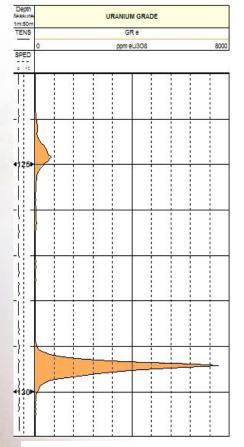


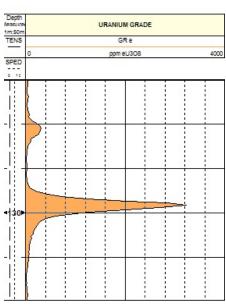
Phase 1 Drilling Results - Nov 2009

- Phase 1 drilling: 20 Holes drilled at Saffron Prospect
- Multiple holes returning peak grades greater than 1000 ppm
 eU₃O₈* over a 1.5 km strike length open at both ends
- High grade intercepts including:
 - ave 423 ppm over 5.95m with peak grade of 7,551 ppm (JDRM0118) and
 - Ave 427ppm over 2.7m with peak grade of 3,226 ppm (JDRM0121) eU₃O₈*









^{*}Equivalent grades (eU_3O_8) from Borehole Wireline Pty Ltd gamma probe 3024, calibrated at Adelaide Test Pits. Dead time 6.06656e-6, k factor 2.47442e-5, 108mm hole, water filled.

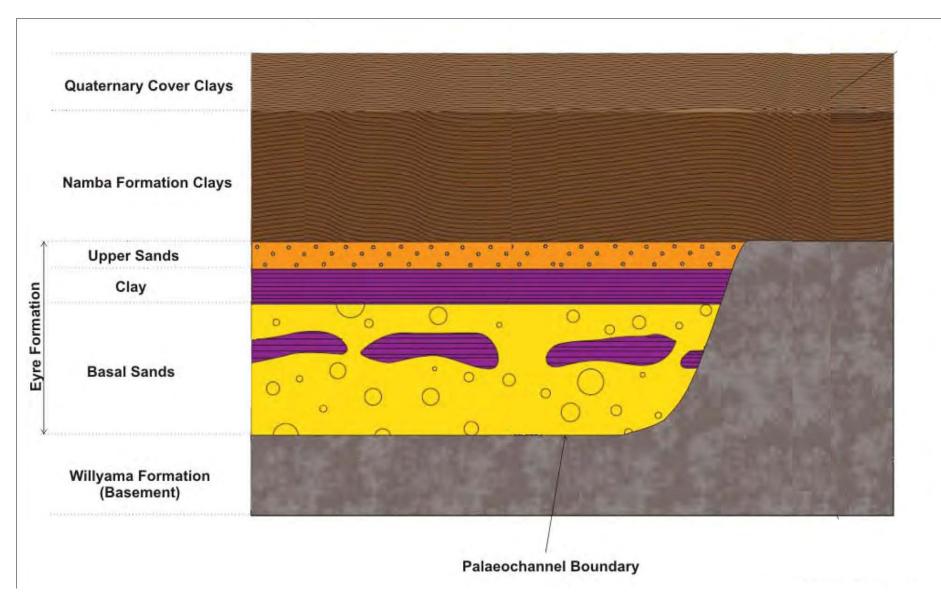




Geology of the Saffron prospect

- Contains Namba and Eyre Formations within the Yarramba Palaeochannel
- These sediments unconformibly overlie basement rocks of the Willyama Supergroup
- Main mineralisation occurs within the basal sand member of the Eyre Formation
- Namba Fm typically occurs to approximately 76m depth
- Eyre Fm until basement which is sometimes as shallow as 130m, maximum basement depth has occurred at approximately 150m depth
- Sometimes a weathered basement zone transition below the basal sand of the Eyre Fm before 'fresh' basement, sometimes straight into 'fresh' basement

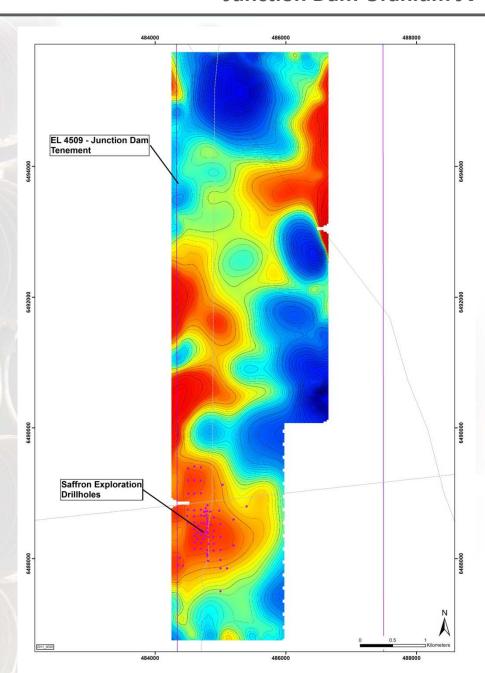






Ground based EM survey

- Conducted first over the Saffron Target prior to Phase 2 drilling
- Palaeochannel was highlighted by conductive saline groundwaters from within the channel. Matches up with the gravity data
- Assisted with drill targeting for phase 2
 as we knew the main basal sand
 mineralisation at Saffron was at
 approximately 125 130m depth, 125m
 depth slice shown here
- Same spec survey was then conducted over the Bridget target
- The new part of the survey was a major component for the targeting process of the Phase 3 drilling over Bridget and Saffron prospects





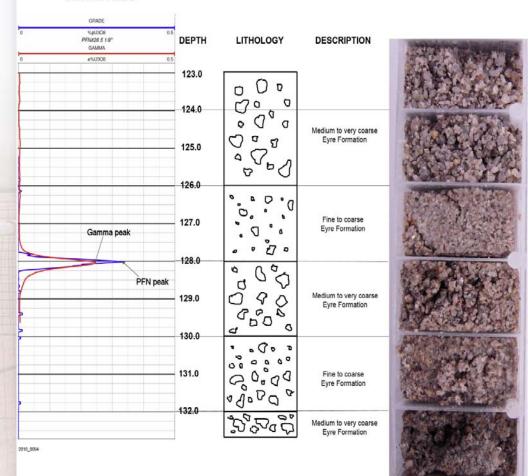
Phase 2 Drilling Results – May 2010

- 56 hole program
- Multiple holes returning peak grades greater than 1000 ppm eU₃O₈*
- PFN technology tested down 5 holes
- Indicated that potentially there is a positive disequilibrium at the Saffron Prospect
- Further testing was required to confidently rely on this data
- Strike length increased to 2km open north and south
- High grade intercepts in Phase 2 including:
 - ave 1272 ppm over 1.7m with peak grade of 5192 ppm (SARM008) and
 - ave 584 ppm over 4.15m with peak grade of 3674 ppm (SARM022) eU₃O₈*

TENEMENT: EL4509
PROSPECT: Saffron
DATE: 5 August 2010

HOLE ID
SARM046

URANIUM GRADE

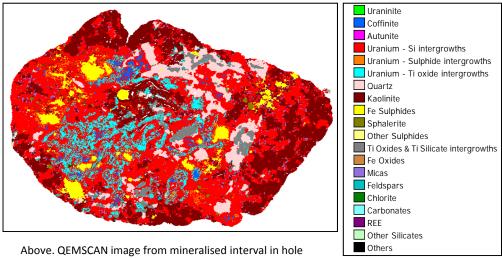


 \sim Cautionary Statement: The initial estimate of U_3O_8 potential within the Junction Dam project is based on conservative grade estimates applied over a sedimentary 'roll front' strike length of 1.5km. Marmota notes that this initial view on an exploration target is conceptual in nature. There has been insufficient exploration to define this exploration potential as a Mineral Resource and it is uncertain if further exploration will result in the determination of such a Mineral Resource.

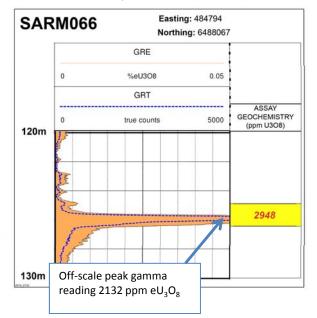


Junction Dam – Phase 2 Saffron QEMSCAN Results

- Direct mineralogical assessment
- Samples from 2 cored drill holes analysed
- Coffinite, uraninite, and uranium phosphates (autunite) confirmed as the uranium minerals at Saffron
- Analogous with the principle uranium minerals at Honeymoon
- Assay results associated with QEMSCAN analysis further support the high grades achieved at Saffron



Above. QEMSCAN image from mineralised interval in hole SARM066, particle width approx 0.5mm, dominate uranium mineral in this sample is coffinite (dark blue).

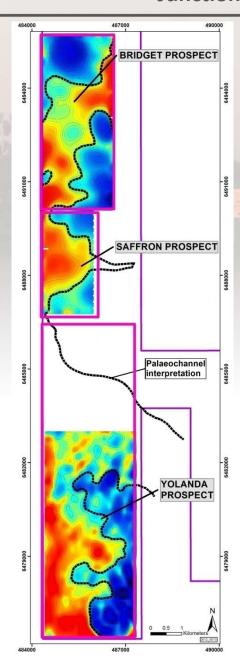


Left. Gamma log from drill hole SARM066 intersecting interval of mineralisation with assay result shown for interval (125.2 – 126.2m)



Phase 3 Drilling Results - April 2011

- 97 hole program
- 86 rotary mud holes, 11 sonic drill holes
- Further expansion of the Saffron prospect, first drillholes at the Bridget and Yolanda prospects
- Multiple holes returning peak grades greater than 1000 ppm eU₃O₈*
- 11 sonic drill holes trialled to enable excellent quality sample of the mineralised sands for geochemical and further mineralogical purposes
- Strike length of mineralised intercepts increased to 15km open north and south
- High grade intercepts in Phase 3 including:
 - ave 418 ppm over 4.6m with peak grade of 1530 ppm (BRRM001 - Bridget) and
 - ave 564 ppm over 3.05m with peak grade of 3614 ppm (SARM116 - Saffron) eU₃O₈*



Ground EM survey result over Saffron, Bridget and Yolanda prospects. Interpreted palaeochannel outlined with black dash line



High grade assay results (February 2012)

- 2011 Phase 3 drilling included 1500 metres of Sonic drilling across Saffron and Bridget prospects.
- Critical for statistically appropriate sample return.
- High grade results from assay up to 8142 ppm U₃O₈ from sonic cored holes drilled across the Saffron deposit.
- Results indicate strong positive disequilibrium ranging between 1.22 and 2.25 with an average of 1.63 underpinning an upwards resource recalculation of the Saffron deposit with potential of 5.4 Mlb*.





Above. Example of sonic drilling core sample at Saffron.

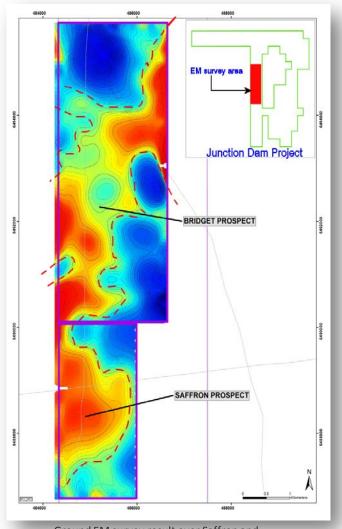
^{*} Upward revision of the Saffron deposit Inferred resource size as indicated above follows the application of an average positive disequilibrium factor of 1.63. This is an indicative result and further assessment is underway.



Phase 4 Drilling Results - April 2012

- 60 hole program
- Saffron deposit footprint increases to approximately eight times the size of the nearby Honeymoon uranium deposit area.
- Campaign results also confirm contiguous grade continuity with adjoining Bridget deposit on Saffron's northern boundary, for a total combined strike length mineralisation intercepted of 6.5km.
- Key areas of mineralisation identified at the large scale Yolanda prospect including drill hole YORM028 achieving a significant 5.5 metre intercept of mineralisation with GT of 0.15 m%eU₃O₈.
- Further mineralisation inventory at Bridget and Yolanda offering significant expansion potential increasing exploration target for Junction Dam 15Mt to 25Mt @ approx 400 to 700 parts per million (ppm) U3O8, for 10,000t to 15,000t U3O8 or 22Mlb to 33Mlb U3O8 ~

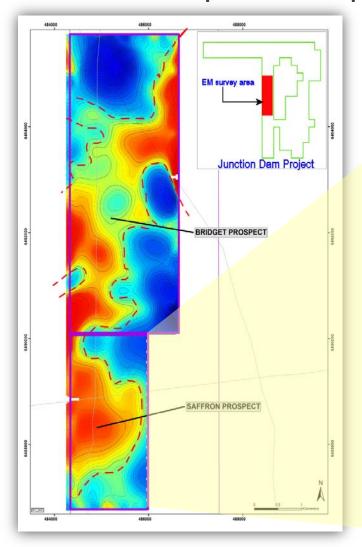
CAUTIONARY STATEMENT: "The estimates of exploration target sizes mentioned above should not be misunderstood or misconstrued as estimates of Mineral Resources. The estimates of exploration target sizes are conceptual in nature and there has been insufficient results received from drilling completed to date to estimate a Mineral Resource compliant with the JORC Code (2004) guidelines. Furthermore, it is uncertain if further exploration will result in the determination of a Mineral Resource.

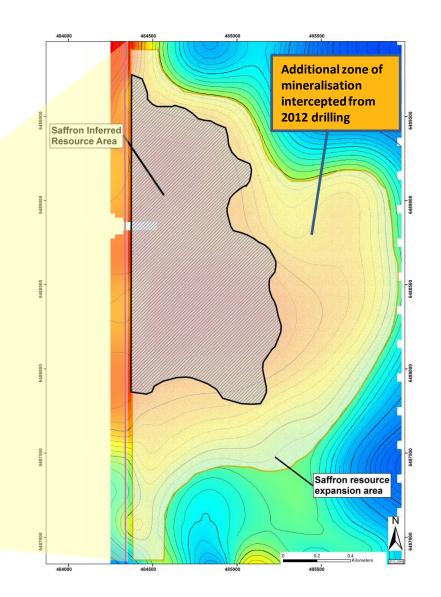


Ground EM survey result over Saffron and Bridget prospects. Interpreted palaeochannel outlined with red dash line



Increase in Saffron deposit area footprint

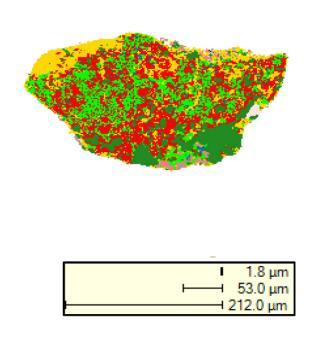


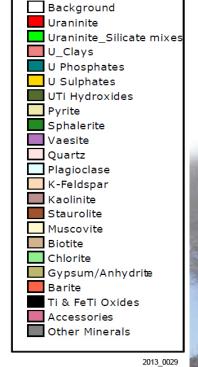




Saffron QEMSCAN Results of sonic core samples

- 2 samples from sonic cored drill holes analysed
- Uraninite and autinite re-confirmed as the uranium minerals at Saffron
- Comparable to first samples taken in a different area of the Saffron deposit
- The analysis indicated that only 2% of the uranium mineralisation appears to be locked in the grain
- Therefore potentially highly leachable
- Further leach tests will confirm this





H 300

Above. QEMSCAN image from mineralised interval in hole SASO007 at 126.5 metre depth, dominate uranium mineral in this sample is uraninite (red).

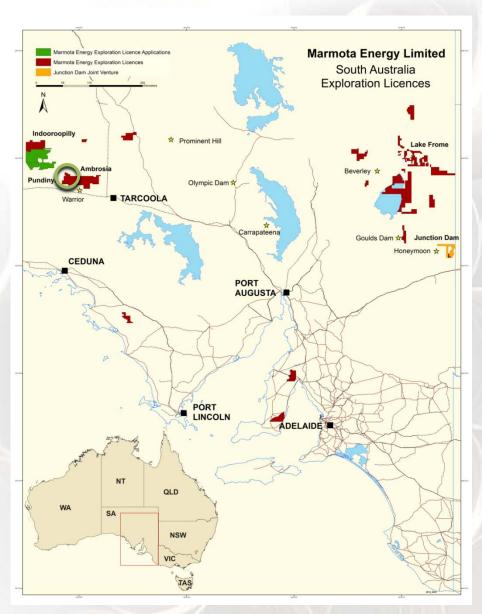


Retention Lease Works – Saffron Deposit

- Process required to meet regulatory approval to undertake field leach trials.
- RL works will include baseline investigations of:
 - Flora and fauna
 - Groundwater conditions, including aquifer conditions (quality, flow direction, modelling of potential impacts)
 - · Noise and air quality impact
 - · Storage and use of dangerous substances
 - · Surface water management
 - · Stakeholder engagement
 - · Visual impact
- Process expected to require 6 months to complete.
- Water bore permits for groundwater monitoring have been obtained by Marmota.



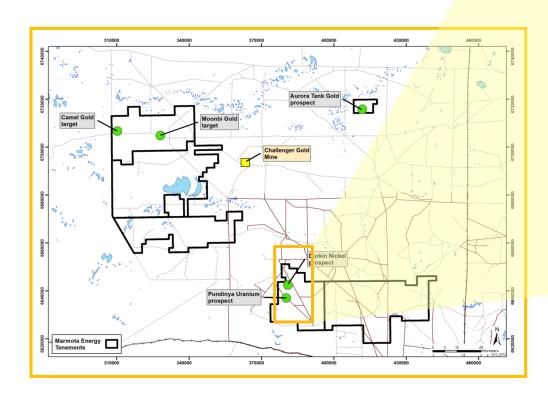


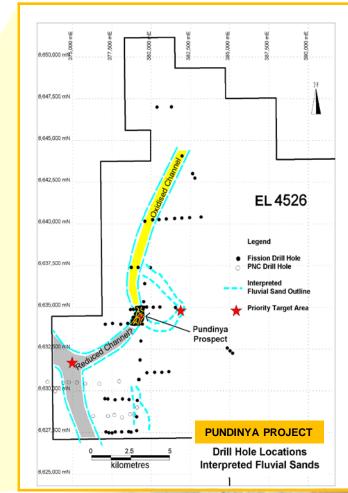


Pundinya Uranium Project



- Further expansion of Marmota's South Australian uranium project interests with the acquisition of the Pundinya uranium project.
- Grades of up to 3200 ppm U₃O₈ have been returned from assay in drillholes completed on the project.
- Significant expansion potential.
- 100 % owned by Marmota Energy.







Pundinya Uranium Project

- Mineralised zone lies in the basal sand unit unconformably overlying the basement.
- Interpreted to be the Eocene Pidinga Formation:
 - a high energy depositional layer with pebbly sand grains with the reducing agent being pyrite and lignite.

Hole No	East	North	From	То	Thickness	U ₃ O ₈	GRADE THICKNESS
			m	m	m	ppm	m‰eU3O8
W057	379264	6634393	48	52	4	249	0.0996
W058	379452	6634410	43	48	5	219	0.1095
W074	379296	6634614	49	52	3	166	0.0498
W079	379346	6634417	48	53	5	854	0.427
W080	379301	6634404	47	52	5	443	0.2215
W083	379097	6634389	49	51	2	235	0.047
W086	379404	6634219	42	46	4	169	0.0676
W087	379295	6634187	44	52	8	167	0.1336
W096	379250	6634011	40	43	3	189	0.0567
W098	379395	6634301	47	52	5	235	0.1175
W099	379346	6634308	46	52	6	210	0.126
W100	379305	6634296	47	52	5	460	0.23
W102	379442	6634505	46	49	3	169	0.0507
W104	379467	6634603	42	52	10	134	0.134
W108	379299	6634499	50	54	4	178	0.0712
W109	379253	6634497	48	52	4	138	0.0552
W113	379352	6634450	48	52	4	376	0.1504
W119	379372	6634406	50	53	3	155	0.0465
W120	379350	6634404	47	54	7	368	0.2576
W121	379321	6634402	49	53	4	360	0.144
W122	379304	6634349	49	52	3	150	0.045
W124	379401	6634352	49	52	3	301	0.0903
W125	379447	6634349	44	48	4	241	0.0964
W128	379298	6634251	48	51	3	178	0.0534
W192	379371	6634430	47	53	6	375	0.225
W193	379317	6634433	49	53	4	205	0.082
W194	379448	6634552	47	51	4	136	0.0544

Table 2: Example of results from Pundinya phases of drilling with GT > .045. Grades of intercepts which included up to 5m at 0.085% or 854ppm U_3O_8 (including 1m at 0.32% or 3,200ppm U_3O_8) in hole W079



Pundinya Uranium Project

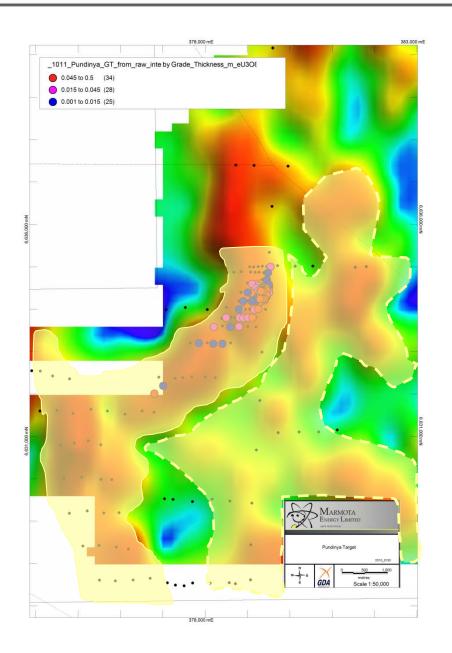
In 2013, application of the same exploration methodology successfully used at Junction Dam.

Proposed exploration program along an additional 9km of prospective channel to include:

- Biovegetation, soil and calcrete sampling.
- Ground radon surveys.
- High resolution gravity.
- High resolution ground electromagnetic surveys.

Expansion along current mapped channel

Further expansion potential





Summary

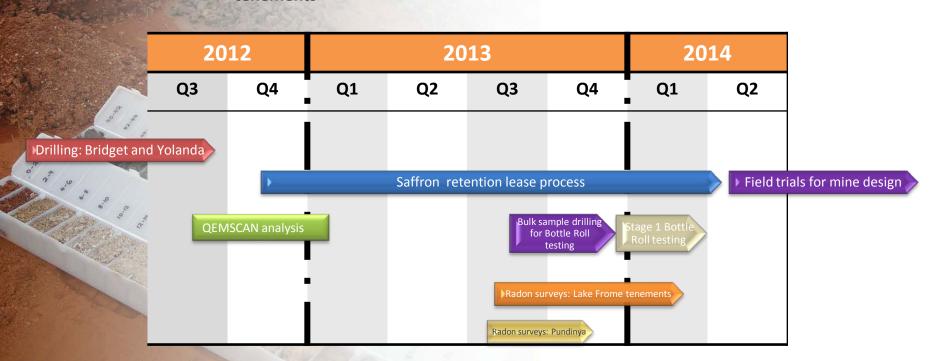
Marmota Energy is an innovative and diversified mineral exploration company strongly valuing social licence to operate.

Our robust and successful exploration methodology offering rapid discovery and growth across Marmota's strong uranium portfolio.

Marmota is well positioned to capitalise on opportunities as the uranium sector continues to regain momentum over the months to come.



- Innovative, robust and successful exploration methodology
- Undertake retention lease process for the Saffron uranium deposit at Junction Dam
- Bulk sampling drilling for extractability testing at Junction Dam
- Ground surveys at Pundinya uranium prospect and high priority Lake Frome tenements





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The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr D J Calandro, who is a Member of the Australian Institute of Geoscientists. Mr Calandro is employed full time by the Company as Managing Director and, has sufficient experience in the style of mineralisation and type of deposit under consideration and qualifies 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 Calandro consents to the inclusion of the information in this report in the form and context in which it appears.