

## Uranium Sector Review Exploration, Development & Production

June Quarter 2009





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Uranium Sector Review June Quarter 2009

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\* Indicates companies with detailed financial projections and valuation available.

[This is the Abridged Report version of the June Quarter RCR Uranium Sector Review. The purchase price of RCR June quarter reports (uranium, gold and tin-tungsten) which includes the Comprehensive version of the Uranium Sector Review (88 pages) is A\$2,200. There is also a Subscriber Report version (for uranium, gold and tin-tungsten) which is available for A\$110. Contents and purchase details can be found at www.rcresearch.com.au]

### **Overview and Investment Comment**

### Equity market performance

Junior uranium stocks have had strong price gains over the past 3 months.

Over the past month increases have been more subdued and caution is recommended for 2H09 with concerns of a potential "W" shaped market dip.

The spot uranium price is currently US\$52.00/lb.

### The Fund Implied (FIP) price is currently US\$48/lb.

The contract uranium price has remained relatively stable over the past six months currently US\$65.00/lb - though downward trending and the gap with the spot price has been gradually closing. The market valuation of Australian companies with one or more uranium projects is up 15% over the past month, up 104% over the past 3 months, and down 36% over the past 12 months. This compares with Canadian companies with one or more uranium projects, up 15% over the past month, up 138% over the past 3 months, and down 49% over the past 12 months.

In the past 1 month, the majors have had mostly positive share price performance with the notable exception of Uranium One: Cameco (CCO) is up 6% (3 month performance +58%), Denison Mines (DML) flat (3 month performance +45%), Uranium One (UUU) down 21% (3 month performance +26%), Energy Resources of Australia (ERA) up 4% (3 month performance +25%) and Paladin (PDN) up 18% (3 month performance +65%).

The Merrill Lynch Uranium Equity Index is flat over the past month and up 67% over 3 months.

### **Uranium price outlook**

The uranium spot price is currently trading at US\$52.00/lb, up 22% from 3 months ago (US\$42.50/lb) and down slightly from US\$52.50/lb at year end December 2008. This compares with the Fund Implied Price (FIP) which was around US\$40/lb at year end, is currently US\$48/lb and has been a good leading indicator of near term spot price performance.

The spot price has rebounded with buyers re-entering the market though activity has been less fervent over the past month and the FIP is suggesting downward pressure (US\$48/lb) in contrast to the recent spot price increases.

Strengthening of the spot price in May was likely a response to the C\$100m capital raising by Uranium Participation Corp (TSX:U) and to the initial uncertainty surrounding the Kazakh government's investigation of KazAtomProm, though the company has since assured all foreign partners that it will fulfil its production obligations and that it will honour existing arrangements.

The FIP at US\$48/lb indicates market concerns of modest downside price risk. Since the beginning of May, the FIP has traded reasonably consistently moving up from around  $\sim$ US\$45/lb to US\$48-50/lb recently. This is up from US\$35/lb at the end of March.

The long term contract uranium price is US\$65.00/lb down from US\$70/lb Dec '08, and relatively stable since peaking at US\$95/lb from May '07 to March '08. The gap between spot and contract prices has closed to US\$13/lb, down from US\$27/lb three months ago. Industry fundamentals remain strong, underpinning support for the contract uranium price, with anticipated growth in nuclear reactors and risk of supply shortage mid term (4-8 years).

Strong growth in announcements of planned and proposed reactors continue; +30% since Aug '08.

China set to increase nuclear energy generation to 72 GWe by 2020...

...and BHP is preparing for a significant increase to uranium production at Olympic Dam and Yeelirrie.

**Investment funds** return to the market for physical uranium.

Polo Resources has actively been acquiring Australian uranium juniors.

### World planned and proposed nuclear power reactors

Currently there are 436 nuclear power reactors in operation and 45 under construction. There are 413 new nuclear reactors planned or proposed globally as of June '09, up from 318 (+95 units, +30%) Aug '08. A total of 71 new reactors are expected to be commissioned by 2015.

### **Events of the past 3 months include:**

- China indicates it may review upwards its nuclear energy production target to 72 GWe by 2020 (up from 60 GWe target previously). This would require 60 new reactors, up from the 11 in operation. 12 reactors are already under construction and the balance (48) would need to commence construction by 2016.
  - **Olympic Dam (BHP, SA) copper/gold/uranium mine expansion** draft environmental report indicates potential to triple the size of the mine over 11 years. Uranium ( $U_3O_8$ ) production is expected to increase from 4000tpa currently to a peak of 19,000tpa.
- **Yeelirrie project (BHP, WA)** documents submitted to the federal Environment Department indicate a target construction date of 2011 with production from 2014. The deposit contains  $\sim$ 52kt U<sub>3</sub>O<sub>8</sub>. Potential production rate 5ktpa U<sub>3</sub>O<sub>8</sub> and 2kt vanadium oxide.
- White Canyon Uranium (ASX:WCU) received a permit during the quarter to mine uranium in Utah, the first **uranium mine permitted in Utah** in 30 years. The first ore shipment for treatment at Denison's (TSX:DML) White Mesa Mill at Blanding is expected 3Q09.
- **First Uranium Corp (TSX:FIU)** announced commencement of gold and **uranium production** at the Ezulwini mine (South Africa).
- NGM Resources (ASX:NGM) announced Paladin (ASX:PDN) increased its stake in the company to 16.7% during March and May and entered into a standstill agreement to stay within the 20% takeover threshold (expires 31 Dec '09). The majority of funds committed will be directed to NGM's Niger concessions in the Tim Mersoi basin. NGM's share price has risen 1150% over the past 3 months.
- **Uranium Participation Corp (TSX:U)** completed a C\$100m bought deal financing announced May 28, 2009 for purchase of  $U_3O_8$  and  $UF_6$ , a strong sign of renewed investor interest in physical uranium holdings.
- High profile **Polo Resources Limited (AIM: PRL)** has invested in 5 Australian uranium juniors since March 2009, most with African assets, viz Berkeley Resources (BKY, A\$5m, the exception with its main focus in Spain), Extract Resources (EXT, on market 12.6m shares acquired up to ~A\$4/share), A-Cap Resources (ACB, A\$10m), Impact Minerals (IPT, A\$3m) and West Australian Metals (WME, A\$6m). In addition, Regent Pacific Group Limited, a company also chaired by Stephen Dattels and which owns ~4.7% of Polo, acquired a stake in Bannerman Resources (BMN, A\$10m). Further details in the report.
- **KazAtomProm** in June reassured the market that existing arrangements with foreign partners will be honored following reports in May of the **Kazak government investigation** of former senior executives accused of misappropriating state assets.

## **RCR June Quarter Featured Company Summary**

### **AUSTRALIA**

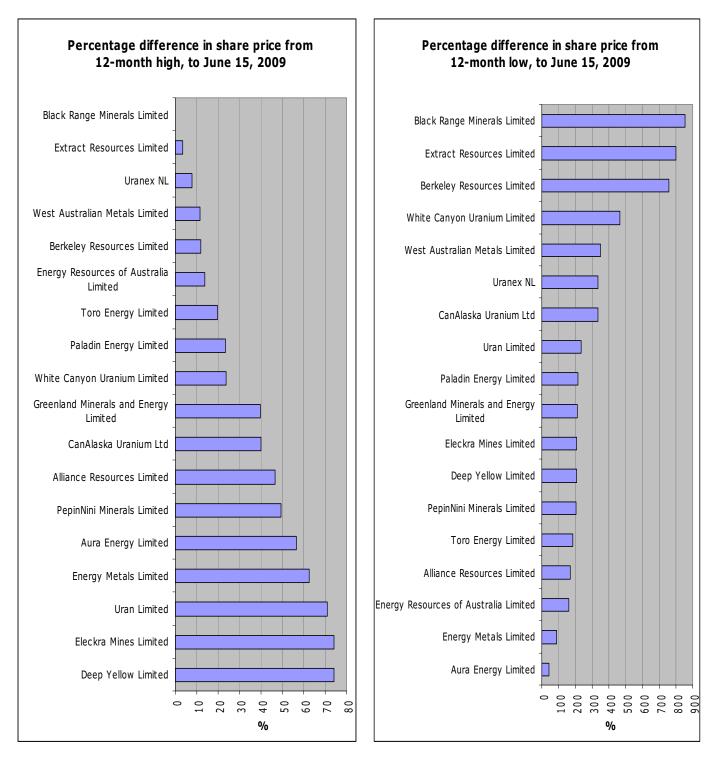
Company	Code	Comment
Alliance Resources Limited	AGS	Advanced Exploration An ongoing capital raising of ~A\$43.6m should support construction of the 32mlb U3O8 Four Mile Project (AGS 25%) – production is possible in Jan '10, at initial 3mlbspa. Independent scoping study and resource upgrades expected 2Q09. Exploration target 110mlbs U3O8.
Aura Energy Limited	AEE	Advanced Exploration Aura's 2-3Q09 uranium exploration program will focus on its promising grassroots projects in Mauritania and drilling in WA (sandstone, calcrete targets). The Storsjön Project (Alum Shale, Sweden) has a resource target of 330mlbs-1,200mlbs U3O8.
Berkeley Resources Limited	ВКҮ	<b>Feasibility Study</b> The Spanish Government has approved BKY's JV deal with ENUSA, which has a uranium mill at Salamanca and State Reserve historic uranium resources – target 65mlbs U3O8. Completed Bankable Feasibility Study expected before 4Q10.
Black Range Minerals Limited	BLR	<b>Scoping</b> New Taylor Ranch high-grade resource totals 25.4mlbs U3O8 (at 0.113%), with 40% in Indicated category. An agreement between BLR and Uranium One (TSX:UUU) could see joint development of the Taylor Ranch and Hansen uranium deposits.
Deep Yellow Limited	DYL	Advanced Exploration Cashed up DYL is on track for a >100mlb U3O8 resource in Namibia 3Q09 (current 46mlb). Further resource upside from high grade discoveries, Inca Deeps and Tumas buried palaeochannels. Our valuation is A\$0.50/share assuming 110mlb resource valued at modest ~US\$3.00/lb.
Eleckra Mines Limited	ЕКМ	Advanced Exploration EKM controls most of the highly prospective and underexplored Yamarna belt (WA) and has established resources of 749koz gold and 6.2mlb U3O8. The company is increasing its gold focus, pegging further unexplored ground N of AngloGold's Tropicana (5moz resource).
Energy Metals Limited	EME	Advanced Exploration Bigrlyi (NT) resource upgrade May '09 - 45% of uranium resource now in Indicated category; large increase in vanadium to 38.6mlbs (from 19.8mlbs). PFS expected 3Q09. Encouraging exploration results continue including at Ngalia regional (NT, Cappers) and Mopoke Well (WA).
Energy Resources of Australia Limited	ERA	<b>Producer</b> ERA remains focused on mining, evaluating and exploring its leases in the highly propsective East Alligator River region (NT). The company has a pipeline of growth projects at Ranger with potential to expand, extend and accelerate output. PFS expected 2H09.
Extract Resources Limited	EXT	Advanced exploration EXT shares are up >400% in 9 months, going from a mid-sized explorer to a seat with the majors in the ASX200 index. With a resource potential at Rossing South (Namibia) of 300mlb plus, the shares still look undervalued. Our medium term target is A\$7.50-A\$8.00.
Greenland Minerals and Energy Limited	GGG	Advanced exploration A Pre-Feasibility Study is under way at the Kvanefjeld uranium and rare earths deposit in Greenland, results expected from late 3Q09, including mine plan and process flow sheet. JORC resource 223mlb U3O8 and 2.6mt REO, upgrade scheduled for 1Q09.
Paladin Energy Limited	PDN	<b>Producer</b> PDN is ramping-up production at Langer Heinrich to 3.7mlbspa U3O8 (from 2.6mlbs); and commenced production at Kayelekera April '09 (3.3mlbspa U3O8). The Mt Isa PFS is expected June '09. Solid project pipeline. PDN moved to 16.7% stake in Niger explorer NGM May 14.

AUSTRALIA (cont.)		
Company	Code	Comment
PepinNini Minerals Limited	PNN	<b>BFS, Advanced Exploration</b> PNN's Crocker Well uranium project (60% Sinosteel, 40% PNN; 14.9mlb resource) BFS release is due 3Q09, production possible 1H11. This should drive a stock re-rating, boosted by increasing focus on PNN's strategic SA/QLD uranium and base metals exploration projects.
Toro Energy Limited	TOE	Advanced Exploration/Resource Definition/PFS With each 10% increase in grades for TOE's flagship Wiluna (WA) calcrete project equating to +10cents/share added value, the better than expected recent Wiluna resource upgrade (grades +31%) has boosted our near term target price to ~40cents/share.
Uran Limited	URA	<b>Mid-Advanced Exploration</b> Surface sampling at the historic Grants Ridge Uranium Project (New Mexico) has returned strong results, with an average 0.053% U3O8, potential for low-cost alkaline leach. Drilling is planned for 4Q09. Placement and rights issue (Jun '09) could raise A\$2m.
Uranex NL	UNX	Advanced Exploration/PFS Tanzanian projects expected to accelerate 2Q09 with new sonic rig and end of wet season. UNX has a portfolio of attractive exploration targets and two prospective development projects. Manyoni resource upgrade expected 2H09. Thatcher Soak (WA) scoping study expected 2Q09.
West Australian Metals Limited	WME	Mid Exploration The Marenica uranium deposit (80% WME), Namibia, is adjacent to Areva's Trekkopje heap leach project. Recent WME restructuring and capital raising, including support from Polo (A\$6m) should see efforts refocused on advancing Marenica. Exploration/eval budget A\$5m 2H09.
White Canyon Uranium Limited	WCU	<b>Development</b> WCU has been granted a mining permit for underground uranium production at Daneros (Utah) – high grade core >0.2ft.% U3O8 – and development is in progress. First ore shipments to Blanding Mill (Denison) expected in 3Q09. Regional target 10mlbs U3O8.
CANADA		
Company	Code	Comment
CanAlaska Uranium Ltd	CVV	Advanced Exploration CVV has a strategic land position (2.9m ac in the Athabasca Basin) with a pipeline of high value exploration targets and funding from key strategic investors. Key exploration priorities summer '09 include Cree East and West McArthur JV's and Black Lake (earning 49%).



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## **Comparative Charts**



### With the strong market turn around of the past few months, a number of uranium juniors are now trading at or near 12 month highs.

Many uranium juniors have had large share price gains from their 12 month low, driven by a rebound in the share market, strengthening uranium price, advancement of project milestones and resource upgrades.

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### **Financial Data**

COMPANY				Aust	Canada	USA	Europe other	Listed options	Share F	Price (LC	\$/share) <sup>3</sup>				<sup>2</sup> Fully Diluted	Market Cap			Book	Enterprise Value
	Code	Status <sup>1</sup>	Yr End		Excl	nanges			52 w	reek	Current	Shares	Opt+W <sup>2</sup>	C. Notes <sup>2</sup>	Shares	(undiluted)	Cash	Debt	Value	(Undiluted)
15 June 2009									Hi	Low		(m)	(m)	(m)	(m)	(LC\$m) <sup>3</sup>				
AUSTRALIA (A\$)																				
Alliance Resources Limited	AGS	I	June	ASX				No	1.40	0.28	0.75	315	9	0	324	236	33.6	0.0	67	236
Aura Energy Limited	AEE	E	June	ASX				No	0.27	0.08	0.12	54	6	0	61	6	2.6	0.0	9	6
Berkeley Resources Limited	BKY	E	June	ASX				No	1.38	0.14	1.21	123	26	0	150	149	13.0	0.0	29	149
Black Range Minerals Limited	BLR	E	June	ASX				BLRO	0.11	0.01	0.11	619	109	0	729	65	7.8	0.0	17	65
Deep Yellow Limited	DYL	E	June	ASX				No	0.47	0.10	0.44	1121	65	0	1186	493	46.2	0.0	146	493
Eleckra Mines Limited	EKM	E	June	ASX				No	0.14	0.01	0.04	141	39	0	180	5	2.5	0.0	8	5
Energy Metals Limited	EME	E	June	ASX				No	1.55	0.31	0.58	117	4	0	121	68	5.2	0.0	22	68
Energy Resources of Australia Limited	ERA	Р	Dec	ASX				No	28.28	9.35	24.40	191	0	0	191	4654	107.5	0.0	799	4654
Extract Resources Limited	EXT	E	June	ASX	TSX			No	6.99	0.75	6.76	229	3	0	232	1546	25.6	0.0	114	1546
Greenland Minerals and Energy Limited	GGG	E	June	ASX				GGGO	0.77	0.15	0.47	219	174	0	393	102	14.7	0.0	40	102
Paladin Energy Limited	PDN	Р	June	ASX	TSX		NSX	No	6.72	1.63	5.14	623	16	82	722	3205	183.3	727.7	629	3932
PepinNini Minerals Limited	PNN	E	June	ASX				No	0.81	0.14	0.41	68	1	0	69	28	11.5	0.0	35	28
Toro Energy Limited	TOE	E	June	ASX				No	0.32	0.09	0.26	556	15	0	571	142	8.3	0.0	145	142
Uran Limited	URA	E	June	ASX				URAO	0.16	0.01	0.05	117	58	0	175	6	0.5	0.0	2	6
Uranex NL	UNX	E	June	ASX				No	0.52	0.11	0.48	83	6	6	95	40	4.0	0.0	10	40
West Australian Metals Limited	WME	E	June	ASX				No	0.26	0.05	0.23	333	6	30	369	77	1.0	0.0	4	77
White Canyon Uranium Limited	WCU	Т	June	ASX				WCUO	0.45	0.06	0.34	188	92	0	280	64	3.2	0.0	37	64
Total: Australia																	470.5	727.7	2112	11613
CANADA (C\$)																				
CanAlaska Uranium Ltd	CVV	E	Apr		TSX.V	OTC I	FSE	No	0.33	0.05	0.20	138	26	0	164	27	5.4	0.0	48	27
Total: Canada																	5.4	0.0	48	27
Total: (US\$) <sup>4</sup>																	386	589	1753	9431

P: Producer; E: Explorer; I: Imminent - includes companies with bankable feasibility studies and likely to be in production within 3 years; IHC: Investment Holding Company (2) Fully Diluted (shares, options + warrants (opt. + w), convertible notes (Conv. N), other obligations)
 L.C. - Local Currency unit; End of quarter forecast.
 (4) AUD/USD: 0.81; CAN/USD: 0.89

## **Company Statistics**

COMPANY																	
	Code	Land		Drilling ('	000 m)		(A) E	xploratior	ı (L.C.\$ı	m) <sup>7</sup>	(B) (	Corporate	(L.C.\$n	1) <sup>7</sup>	(4	A)/(A+B)	%
15 June 2009		('000 ha) <sup>6</sup>	Mar-09	Jun-09	2008	2009	Mar-09	Jun-09	2008	2009	Mar-09	Jun-09	2008	2009	Jun-09	2008	2009
AUSTRALIA (A\$)																	
Alliance Resources Limited	AGS	228	15.0	15.0	140.0	63.7	0.2	0.6	1.3	2.3	0.5	0.5	1.8	2.1	56	43	52
Aura Energy Limited	AEE	1,200	0.5	2.0	4.9	10.5	0.5	0.1	2.0	2.2	0.1	0.2	1.0	0.8	33.3	67.5	74.0
Berkeley Resources Limited	BKY	250	2.0	2.0	21.1	12.5	0.8	0.6	9.7	5.1	0.3	0.3	0.3	1.2	66.7	96.9	80.4
Black Range Minerals Limited	BLR	6	0.0	0.0	10.0	7.5	0.6	0.3	2.8	2.3	0.3	0.3	0.7	1.3	45	80	64
Deep Yellow Limited	DYL	6,427	19.2	30.0	100.0	19.2	1.8	2.1	9.6	13.8	0.6	0.6	2.1	2.3	78	82	86
Eleckra Mines Limited	EKM	710	3.0	5.0	21.0	18.0	0.2	0.4	1.7	1.1	0.1	0.2	1.0	0.7	73	63	61
Energy Metals Limited	EME	400	0.0	2.0	30.6	29.5	0.3	0.5	4.0	5.9	0.2	0.2	1.2	0.7	74	77	89
Energy Resources of Australia Limited	ERA	8	3.7	12.5	57.7	36.2	7.6	7.0	29.0	28.6	3.0	3.0	11.1	12.2	70	72	70
Extract Resources Limited	EXT	270	30.0	35.0	68.0	130.0	3.8	6.6	10.2	21.4	1.3	1.1	2.9	4.7	86	78	82
Greenland Minerals and Energy Limited	GGG	211	0.0	1.0	17.5	10.0	0.5	0.6	11.8	7.4	0.6	0.6	3.7	3.1	49	76	71
Paladin Energy Limited	PDN	na	25.0	25.0	100.0	100.0	1.3	3.0	11.7	11.6	8.0	8.0	27.8	35.7	27	30	25
PepinNini Minerals Limited	PNN	1,580	8.0	10.0	21.0	36.0	0.7	2.0	2.6	6.5	0.1	0.4	1.7	1.3	83	59	84
Toro Energy Limited	TOE	3,274	5.0	6.0	34.0	32.0	1.1	2.2	6.3	7.4	0.5	0.6	2.5	2.5	79	72	75
Uran Limited	URA	4	0.0	1.5	0.0	0.0	0.2	0.2	0.2	0.5	0.3	0.1	2.8	1.5	67	8	25
Uranex NL	UNX	3,390	1.5	8.5	16.1	23.4	1.3	1.0	4.5	4.7	0.2	0.5	2.5	2.1	67	64	70
West Australian Metals Limited	WME	100	0.6	2.0	27.4	15.9	0.4	0.5	3.0	3.0	0.6	0.5	1.9	2.5	50	61	55
White Canyon Uranium Limited	WCU	4	3.5	3.5	5.0	<u>14.0</u>	<u>0.0</u>	<u>0.1</u>	1.9	<u>0.5</u>	0.4	0.2	0.7	1.0	20	72	34
Total: Australia			117	161	674	558	21	28	112	125							
CANADA (C\$)																	
CanAlaska Uranium Ltd	CVV	1,184	6.0	5.0	13.5	16.0	0.3	4.5	14.4	9.8	1.0	0.6	2.9	2.9	88	83	77
Total: Canada			6	5	14	16	0	5	14	10							
Total: (US\$) <sup>4</sup>							18	26	104	110							

(6) To convert hectares to acres, multiply by 2.47; eg 100 thousand hectares ('000 ha) = 247 thousand acres ('000 ac)

(7) L.C. - Local Currency unit

## **Reserves, Resources and Historic Mineralisation**

COMPANY			Re	serves (Eq	uity) <sup>2</sup>	Resources (Equity) <sup>2</sup>			Historical/Mineralised Material (Equity) <sup>2</sup>			Total Ura	nium (U <sub>3</sub> O <sub>8</sub> )	Total - Gold	Production
	Code	Status <sup>1</sup>	Uraniun	n (U <sub>3</sub> O <sub>8</sub> )	Other	Uranium	(U <sub>3</sub> O <sub>8</sub> )	Other	Uranium	n (U <sub>3</sub> O <sub>8</sub> )	Other	(All Mine	ralisation)1	Equivalent <sup>3</sup>	Commencement
15 June 2009			Mlb	kt		Mlb	kt		Mlb	kt		Mlb	kt	(Moz)	Year
AUSTRALIA															
Alliance Resources Limited	AGS	1	0.0	0.0		8.0	3.6		0.0	0.0		8.0	3.6	0.4	Q110
Aura Energy Limited	AEE	E	0.0	0.0		2.6	1.2		0.0	0.0		2.6	1.2	0.1	na
Berkeley Resources Limited	BKY	E	0.0	0.0		26.1	11.8		17.0	7.7		43.1	19.6	2.4	na
Black Range Minerals Limited	BLR	E	0.0	0.0		58.0	26.3	58.8kt (Cu)	0.0	0.0		58.0	26.3	3.2	na
Deep Yellow Limited	DYL	E	0.0	0.0		46.4	21.0		39.2	17.8		85.6	38.8	4.7	na
Eleckra Mines Limited	EKM	E	0.0	0.0		6.2	2.8		0.0	0.0		6.2	2.8	0.3	na
Energy Metals Limited	EME	E	0.0	0.0		14.0	6.4	19.8kt (Vn)	0.0	0.0		14.0	6.4	0.8	na
Energy Resources of Australia Limited	ERA	P	245.7	111.4		416.5 ^	188.9 ^		0.0	0.0		662.1 ^	300.3 ^	36.2	1981
Extract Resources Limited	EXT	E	0.0	0.0		133.4	60.5		0.0	0.0		133.4	60.5	7.3	na
Greenland Minerals and Energy Limited	GGG	E	0.0	0.0		135.8	61.6		0.0	0.0		135.8	61.6	7.4	na
Paladin Energy Limited	PDN	P	90.7	41.1		331.0	150.1		35.1	15.9		366.1	166.1	20.0	2008
PepinNini Minerals Limited	PNN	E	0.0	0.0		7.6	3.4		0.0	0.0		7.6	3.4	0.4	na
Toro Energy Limited	TOE	E	0.0	0.0		31.8	14.4		13.2	6.0		45.0	20.4	2.5	na
Uran Limited	URA	E	0.0	0.0		0.0	0.0		0.0	0.0		0.0	0.0	0.0	na
Uranex NL	UNX	E	0.0	0.0		29.3	13.3		0.0	0.0		29.3	13.3	1.6	na
West Australian Metals Limited	WME	E	0.0	0.0		27.4	12.4		0.0	0.0		27.4	12.4	1.5	na
White Canyon Uranium Limited	WCU	1	0.0	0.0		0.0	0.0		1.9	0.9		1.9	0.9	0.1	4Q09
Average: Australia															
CANADA															
CanAlaska Uranium Ltd	CVV	E	0.0	0.0		0.0	0.0		0.5	0.2		0.5	0.2	0.0	na
Total/Total Average			336	153		1274	578		107	48		1627	738		

(1) P: Producer; E: Explorer; I: Imminent - includes companies with bankable feasibility studies and likely to be in production within 3 years; IHC: Investment Holding Company (2) Reserves, resources and mineralised material published by the relevant company. Tonnes are metric (2204.6 pounds).

(2) Reserves, resources and mineralised material published by the relevant company. Ionnes are metric (2204.6 pounds). The applicable mineral resource codes are by country: Australian: JORC, Canadian: NI 43-101, South Africa: SAMREC

(3) For uranium only. Assumes a uranium price of US\$52.00/lb and a gold price of US\$950/oz \* Mineral resource estimates are inclusive of the mineral reserve. ^ ERA reserves are in addition to resources.

## **Valuation and Performance Data**

							1	Valuation (	%) of U <sub>3</sub> O <sub>8</sub> P	rice (USD)							
COMPANY				EV-Cash	EV-Cash	EV-Cash		Re	es'v+resource	es	Share Price Performance				Current Share Price		
	Code	P/Book	P/Net Cash	/Reserves	/Res'v+resources	/Total U <sub>3</sub> O <sub>8</sub>		Spot	Contract	FIP		(9	% off 12 month				
15 June 2009		(x)	(x)	US\$/lb	US\$/lb	US\$/lb		52.00	65.00	48.00	1 month	3 month	6 month	12 month	Hi	Lo	
AUSTRALIA																	
Alliance Resources Limited	AGS	3.5	7.0	na	20.51	20.51		39	32	43	-8	94	91	-38	46	169	
Aura Energy Limited	AEE	0.7	2.4	na	1.15	1.15		2	2	2	0	na	-38	-50	57	44	
Berkeley Resources Limited	BKY	5.2	11.5	na	4.23	2.56		8	7	9	29	154	418	55	12	758	
Black Range Minerals Limited	BLR	3.8	8.3	na	0.80	0.80		2	1	2	133	275	518	59	0	855	
Deep Yellow Limited	DYL	3.4	10.7	na	7.81	4.23	П	15	12	16	57	267	267	49	74	208	
Eleckra Mines Limited	EKM	0.6	2.1	na	0.36	0.36		1	1	1	-8	66	-37	-69	74	208	
Energy Metals Limited	EME	3.1	12.9	na	3.62	3.62		7	6	8	1	66	53	-52	63	87	
Energy Resources of Australia Limited	ERA	5.8	43.3	14.99	8.84	8.84		17	14	18	4	25	28	9	14	161	
Extract Resources Limited	EXT	13.6	60.4	na	9.23	9.23		18	14	19	42	122	483	488	3	801	
Greenland Minerals and Energy Limited	GGG	2.6	6.9	na	0.52	0.52		1	1	1	26	158	86	-35	40	210	
Paladin Energy Limited	PDN	5.1	-5.9	33.48	9.17	8.29		18	14	19	10	65	83	-4	24	215	
PepinNini Minerals Limited	PNN	0.8	2.4	na	1.75	1.75		3	3	4	-16	193	64	-45	49	204	
Toro Energy Limited	TOE	1.0	17.1	na	3.40	2.40		7	5	7	24	171	155	-8	20	183	
Uran Limited	URA	3.4	12.7	na	na	na		na	na	na	-13	142	226	-72	71	236	
Uranex NL	UNX	4.1	10.0	na	1.00	1.00		2	2	2	48	182	336	20	8	336	
West Australian Metals Limited	WME	18.7	77.5	na	2.23	2.23		4	3	5	53	229	243	-15	12	351	
White Canyon Uranium Limited	WCU	1.7	20.0	na	na	25.88		<u>na</u>	<u>na</u>	<u>na</u>	-1	134	183	70	24	467	
Average: Australia				24.24	4.97	5.84		10	8	10							
CANADA																	
CanAlaska Uranium Ltd	CVV	0.6	5.0	na	na	39.03		na	na	na	22	50	179	-28	40	333	
Average: Canada				na	na	39.03		na	na	na							
Total/Total Average				16.16	4.66	7.36		9	7	10	21	133	176	18	33	307	

**Resource Capital Research** 

## AGS.AU

15 June 2009 Uranium, Gold, Copper, Base Metals Australia (VIC, SA, NSW) Advanced Exploration Exchanges: ASX:AGS

### **Capital Profile**

Share price (A\$)	0.74		
52 week range (A\$/share)	0.279	to	1.4
Number of shares (m)	314.9		
Options and warrants (m)	8.6		
Pending rights issue* (m)	26		
Fully diluted (m)	324		
Market capitalisation (undiluted) (A\$m)	233		
Debt (A\$m) - June 09F	0.0		
Enterprise value (A\$m)	233.0		
Major shareholders:			
Abbottsleigh Pty Ltd (32.1%)			
Avg monthly volume (m)	21		
Cash (A\$m) - June 09F	33.6		
Price/Cash (x)	6.9		
Price/Book (x)	3.5		
Exchange traded options:	No		
* Record date 4 June 2009			
Investment Points			

The company's main project is a 25% stake in the Four Mile advanced uranium project in SA, adjacent to the Beverley ISR uranium mine.

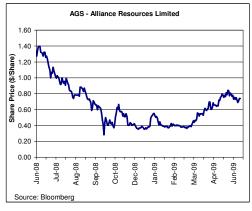
Inferred JORC resource at Four Mile West (FMW) is 32mlbs grading 0.37% U3O8. Upgrade expected 2Q09 along with initial Four Mile East (FME) resource.

Independent scoping study expected 2Q09 to verify internal feasibility study of JV partner Quasar Resources Pty Ltd

FME production planned Jan '10 at 3mlbspa U3O8 after ramp-up, opex US\$25/lb, project development A\$90m incl. remote ion exchange plant (RIX). Mine permit pending.

Capital raising of ~A\$43.6m will fund A\$22.5m share of development; cash Jun 09F A\$33.6m, no debt.

Maldon (Au, VIc): includes CIL plant. MOU to divest.



### **Contacts**

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Analyst: John Wilson Analyst: Dr Trent Allen info@rcresearch.com.au

June Quarter 2009

### Alliance Resources Limited

A\$ 0.74

An ongoing capital raising of ~A\$43.6m should support construction of the 32mlb U<sub>3</sub>O<sub>8</sub> Four Mile Project (AGS 25%) - production is possible in Jan '10, at initial 3mlbspa. Independent scoping study and resource upgrades expected 2Q09. Exploration target 110mlbs U<sub>3</sub>O<sub>8</sub>.

### Production and Financial Forecasts

YEAR END: June	Mar-09a	Jun-09F	2008a	2009a	2010F
Exploration and evaluation (A\$m)	0.23	0.64	1.32	2.33	4.08
Corporate (A\$m)	0.54	0.50	1.77	2.14	2.00
Exploration/(Expl.+ Corporate) (%)	30	56	43	52	67
Funding duration at current burn (years)			7.7	7.5	6.9
Shares on issue (pr end) (m shares)	274	315	273	315	341
Drilling - RAB (m)	10,000	10,000	100,000	31,385	40,000
Drilling - Other/Diamond (m)	5,000	5,000	40,000	32,267	20,000
Land holding ('000 ha)*	227.6	227.6	3.0	227.6	227.6
Tenement costs (\$k per year)	-	-	-	-	-
Capital raisings (A\$m)	0.0	27.9	30.5	28.1	15.7
Funding from JV partners (A\$m)	1.3	1.3	0.0	5.0	5.0
Cash (A\$m)	12.4	33.6	23.8	33.6	41.8
Cash backing (A\$c/share)	4.5	10.7	8.7	10.7	12.3
Net asset backing (A\$c/share)	14.4	21.3	16.3	21.3	28.7
*Uranium prospective tenements only, both hele	d and under appli	cation.	Quarters refer to caler	ıdar year.	

### Company Comment

Overview: AGS listed on the ASX in 1994. It has a 25% interest in the near-production Four Mile Uranium Project (SA, Quasar – 75%), gold assets in VIC, and exploration projects in SA and NSW. Four Mile Project (SA): Situated 8km from the existing Beverley ISR uranium mine, operated by Quasar,

**Four Mile Project (SA):** Situated 8km from the existing Beverley ISR uranium mine, operated by Quasar, an affiliate of Heathgate Resources. The prospect consists of two tabular sandstone uranium mineralised areas, 1-8m thick at a depth of ~150-210m. Current JORC inferred resource, for Four Mile West (FMW), is 3.9mt @ 0.37% for 15kt (32mlbs)  $U_3O_8$ . There is a JORC qualifying Exploration Target Range at Four Mile East (FME) of 14-22kt (30-47mlbs)  $U_3O_8$  grading 0.2-0.3%. Known mineralisation covers 2.9km<sup>2</sup> at GT contour >0.15m%  $U_3O_8$ . Total project resource target is 50kt (109mlbs)  $U_3O_8$ . An internal Quasar/Heathgate feasibility study (Sep '08) included a non-JORC resource estimate for FME and belowed it is amenable to ISR. Quasar's permeability studies and process refinements are ongoing. A decision to mine at FME was made by Quasar in Sep '08, after which AGS started pro rata contributions to JV funding. Contribution in 1Q09 was A\$2.21m. Environmental approvals and a Mining Permit are pending An independent Scoping Study commissioned by AGS to verify project viability is expected. pending. An independent Scoping Study, commissioned by AGS to verify project viability is expected 2Q09 (subject to data disclosure by Quasar), as are an initial JORC resource for Four Mile East and an upgrade for Four Mile West. If approvals are granted, construction will progress through 2009; first production is planned for Jan '10. Initial capex ~A\$90m (AGS A\$22.5m), including a satellite RIX plant. Downstream processing could be at nearby Beverley. Quasar has already spent \$40m on the project. Expected recoveries ~70% (and as high as ~89%). Opex is ~ US\$25/lb U<sub>3</sub>O<sub>8</sub> for the planned 3mlbspa production. Potential to increase rate if initial production targets are achieved. The JV's ongoing exploration budget for the whole 1248km<sup>2</sup> tenement package (plus 150km<sup>2</sup> application) could be ~A\$3-4m

in each of 2009 and 2010; AGS is free carried outside the immediate Four Mile project area. Maldon (Au; Vic): 30km SW of Bendigo. AGS tenements cover the majority of the Maldon Goldfield with 

East Lake Frome (Au,Cu, base metals; NSW): 1,038km<sup>2</sup>, located north west of Broken Hill in NSW.

Exploration in 2009 could include drilling based on a 4Q08 regional gravity survey. Investment Comment: The process route and economic potential of the Four Mile project have been established and uranium production is expected 1Q10, subject to a mining permit. A 2Q09 placement (at A\$0.68/share) and rights issue (A\$0.60) could raise up to A\$43.6m and help fund AGS's A\$22.5m contribution to initial capex. We calculate NPV for AGS to be A\$173m based on the current Four Mile resource and 3mlbs/yr U<sub>3</sub>O<sub>8</sub> production at spot price US\$50/lb, rising to A\$246m at a hypothetical 4mlbs/yr and with exploration upside to 50kt U<sub>3</sub>O<sub>8</sub>. Our share price target for AGS, based on the latter, is A\$0.74. If AGS confirms marketing rights to its 25% of production and establishes an offtake agreement at long-term contract prices (currently US\$65/lb U3O8), the share price could move above A\$1.00.

### Reserves and Resources/Mineralised Material

Code for reporting mineral r	esources - Australian:	(JORC)						
Uranium (U <sub>3</sub> O <sub>8</sub> )	Classification/	Project	Ore	Grade	Cut Off			Eqty
	Geology	Equity	Mt	%	ppm	Kt	Mlb	Mlb
Reserves						0.0	0.0	0.0
Resources								
Four Mile West		25%	3.9	0.37		15.0	32.0	8.0
Mineralised Material (es	st., non compliant with JOR	C)				0.0	0.0	0.0

### Kev Proiects

	, ,							
ir)		Ownership/		JV/	Target	Process	Project	
	Project	Option	Metal	Partner	Туре	Route	Status	Location
	Four Mile	25%	U	Quasar	S'stone	ISL/O' Pit	Feasibility	Aus (SA)
	Maldon Project	100%	Au	na	Lode	CIL, gravity	Care & m'tnce	Aus (VIC)
	Warrina Project	100%	Au,Cu	na	IOCGU	na	Mid Expl	Aus (SA)
	East Lake Frome	100%	е	na	na	na	Early Expl	Aus (NSW

JS Dunlop (Non Exec Chair P Mutz (MD) I Gandel (Non Exec) A Lethlean (Non Exec)

Directors

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### ALLIANCE RESOURCES VALUATION

				Target	Valuation	Sensitivity
		Uranium		Price	(Low)	(High)
	Equity	Resource	Valuation	<u>A\$m</u>	<u>A\$m</u>	<u>A\$m</u>
Projects		<u>(mlbs)</u>	US\$/Ib			
+ Four Mile	25%	32	12.38	127	120	162
+ Four Mile Exploration	25%	77	2.55	63	56	287
+ Exploration Assets	100%			10	5	20
Sub Total				200	181	469
+ Cash*				44.0	44.0	44.0
+ Tax Losses				5.3	5.3	5.3
- Corporate				<u>3.5</u>	<u>3.5</u>	<u>3.5</u>
Sub Total				45.9	45.9	45.9
AGS NET ASSET VALUE				246	227	515
Capital Structure*						
Shares				341.0	341.0	341.0
Fully Diluted Shares				349.3	349.3	349.3
AGS NET ASSET VALUE PER SHAR	E	:A\$/share		0.72	0.67	1.51
AGS NET ASSET VALUE DILUTED		:A\$/share fully dilu	ted	0.74	0.69	1.51
* After share placement and rights issue annound	ced 26 May 20					

### FOUR MILE URANIUM PROJECT (based on feasibility studies of majority JV partner, Quasar Resources)

		Equity			<u>Sensitivit</u>	V	
LONG TERM URANIUM PRICE^	:US\$/lb		35	40	70	90	125
EXCHANGE RATE	:AUUS		0.78	0.78	0.78	0.78	0.78
FOUR MILE URANIUM NPV @ 10% NOMINAL* FOUR MILE URANIUM NPV @ 10% NOMINAL* NPV/SHARE	:A\$m :US\$m <b>:A\$/share</b>	25% 25%	176 137 <b>1.42</b>	191 149 <b>1.55</b>	282 220 <b>2.28</b>	343 267 <b>2.78</b>	449 350 <b>3.63</b>
* Includes a pre-production project discount of 20% of the project valuation: ^Uranium price forecasts are US\$60/lb from 1Q20 to 4Q25, thence long term price indicated.			20%				

### FOUR MILE URANIUM PROJECT KEY ASSUMPTIONS\*

RESOURCE ESTIMATES									
	Conceptual Uraniu	um Target Four M	lile						
				Uranium					
			<u>Mt</u>	<u>%</u>	Mlbs				
	Current Resource		4	0.37	32				
	Exploration Target		<u>14</u>	<u>0.25</u>	<u>77</u>				
	Total		18	0.28	109	=50kt U <sub>3</sub> O <sub>8</sub>			
		Further ex	xploration target 7	7mlbs @ 0.2-	-0.3% U <sub>3</sub> O <sub>8</sub>				
MINING METHOD	In-Situ Recovery (IS	In-Situ Recovery (ISR)							
		,							
PROCESS METHOD	Satellite Remote Io	Satellite Remote Ion Exchange (RIX)							
	Possible downstrea	Possible downstream treatment at Beverley Uranium Mine							
PRODUCTION RATE	:mtpa	0.5							
	:mlbspa	3.0	(First quarter	2.6mlbspa. P	otential to in	crease long term)			
CAPITAL COSTS	:A\$	90	Plus sustainir	g capex of 49	%/yr. Plus A	\$40m to date.			
RECOVERY - URANIUM	:%	70							
OPERATING COSTS	:US\$/t	132	i.e. per tonne	of resource le	eached				
	US\$/Ib	25	(Includes 1%	Royalty, base	ed on xrate (	).645 AUD/USD)			
	A\$/lb	38.80	Includes 1%	Royalty					
TAX	:%	30							
MINE LIFE	:Years	9	based on cur	rent resource,	15+ with ex	ploration target			
TARGET COMMISSION DATE	:	1Q10							

\* These figures, based on Quasar's internal Feasibility Study, are preliminary in nature and are intended to provide only a general indication of project potential scale and economic robustness. Refinement may result from AGS independent scoping study and resource announcements, expected in 2Q09.

**Resource Capital Research** 

#### A\$ 0.445

DYL.AU

15 June 2009 Uranium Namibia, Australia (QLD,NT,SA,WA) Advanced Exploration Exchanges: ASX:DYL

### **Capital Profile**

Share price (A\$)	0.45		
52 week range (A\$/share)	0.098	to	0.47
Number of shares (m)	1121		
Options and warrants (m)	64.6		
Convertible notes (m)	0		
Fully diluted (m)	1186		
Market capitalisation (undiluted) (A\$m)	499		
Debt (A\$m) - Jun 09F	0.0		
Enterprise value (A\$m)	498.9		
Major shareholders: Paladin (19.3%), Robert He	ealy (9.3%)		
Leon Pretorius (6.5%)			
Avg monthly volume (m)	76		
Cash (A\$m) - Jun 09F	46.2		
Price/Cash (x)	10.8		
Price/Book (x)	3.4		
Listed company options:	No		

### **Investment Points**

DYL offers 100% exposure to uranium exploration - budget A\$12mpa. Resource drilling ~10,000m per month in Namibia, plus Australian exploration. Cash A\$47m.

Namibian Projects: JORC resource is now 46.4mlb U<sub>3</sub> from Tubas (38.8mlb) and Tumas (7.4mlb)

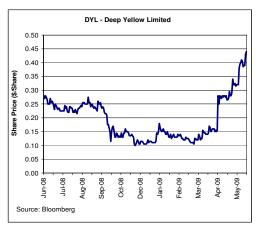
Further Namibian JORC resource satements imminent from three other deposits

We expect major JORC resource upgrade to >100mlb U<sub>3</sub>O<sub>8</sub> in 3Q09.

Inca Deeps major new high grade uraniferous magnetite discovery - current intensive resource drilling

Further resource upside indicated from recent buried palaeochannel drilling (39m @ 1,254ppm).

Our med. term target is A\$0.50/share assuming an initial 110mlb Namibia resource is achieved.



**Directors** 

L Pretorius (MD) M Kavanagh (Exec) R Brunovs (Non Exec)

M Greene (Non Exec Ch.)

T McDonald (Non Exec) G Swaby (Non Exec)

### Contacts

Dr Leon Pretorius (MD) Managing Director Deep Yellow Limited Tel: 61 (0) 8 9286 6999 Subiaco, Australia

Analyst: Dr Tony Parry tonyparry@rcresearch.com.au

June Quarter 2009

### **Deep Yellow Limited**

Cashed up DYL is on track for a >100mlb U<sub>3</sub>O<sub>8</sub> resource in Namibia 3Q09 (current 46mlb). Further resource upside from high grade discoveries, Inca Deeps and Tumas buried palaeochannels. Our valuation is A\$0.50/share assuming 110mlb resource valued at modest ~US\$3.00/lb.

### **Production and Financial Forecasts**

YEAR END: June	Mar-09a	Jun-09F	2008a	2009F	2010F
Exploration and evaluation (A\$m)	1.83	2.10	9.56	13.83	12.00
Corporate (A\$m)	0.61	0.60	2.06	2.26	2.40
Exploration/(Expl.+ Corporate) (%)	75	78	82	86	83
Funding duration at current burn (years	.)		2.5	2.9	2.5
Shares on issue (pr end) (m shares)	1121	1121	1109	1121	1121
Drilling - RAB (m)	5,000	5,000	10,000	20,000	20,000
Drilling - Other/Diamond (m)	14,248	25,000	90,000	104,248	100,000
Land holding ('000 ha)	6,427	6,427	6,427	6,427	6,427
Tenement costs (\$k per year)	-	-	-		-
Capital raisings (A\$m)	0.0	0.0	42.4	1.0	0.0
Funding from JV partners (A\$m)	0.0	0.0	0.0	0.0	0.0
Cash (A\$m)	47.5	46.2	57.1	46.2	35.4
Cash backing (Ac/share)	4.2	4.1	5.1	4.1	3.2
Net asset backing (Ac/share)	13.1	13.0	14.0	13.0	12.1
Quarters refer to calendar year end.					
0					

### Company Comment

Overview: Deep Yellow is a cashed-up uranium exploration and development company currently focused on advanced resource development projects in Namibia and Australia (QLD). Namibia: DYL holds 100% of 2,681km<sup>2</sup> ~15km SW of PDN's Langer Heinrich mine. The Tumas-Tubas palaeochannel system is 80km length, only ~35km has been drilled by previous explorers and/or DYL to date. DYL has 7 rigs operating, mainly focused on resource definition. Most advanced is Tubas sedimentary uranium deposit. Mineralisation occurs from surface to 30m in zones up to 12m thick. Initial inferred JORC resource is 38.8mlbs U<sub>2</sub>O<sub>6</sub> (Nov 07). During 2008 intensive resource drilling proceeded on other deposits in the palaeochannel system: Tumas, Aussinanis, Inca, Tumas Extensions and Tubas Red Sand. A maiden JORC resource (7.4mlb U<sub>3</sub>O<sub>6</sub>) for Tumas (calcretised palaeochannel) was confirmed in 1009. Maiden JORC resource statements for Aussinanis and Tubas Red Sand are expected 3009. in 1Q09. Maiden JORC resource statements for Aussinanis and Tubas Red Sand are expected 3Q09. DYL has stated that the 2008 resource drilling has "exceeded expectations" and expects it to confirm a total 100-120mlb  $U_3O_8$  Namibia resource. Resource upside has been enhanced by on-going intensive total 100-120mlb U<sub>3</sub>O<sub>6</sub> Namibia resource. Resource upside has been enhanced by on-going intensive resource drilling in 1H09, focused on the discovery of a deep (~200m) continuous zone of massive high grade uraniferous magnetite at **Inca Deeps**, N of Tubas, below the previously drilled lower grade **Inca** mineralisation to 100m. Recent drilling (3 rigs) has confirmed consistently high grades and thickness (e.g. 12m @ 2,095ppm, 13m @ 1,576ppm). Mineralisation is open in all directions. Further drilling (4 rigs) is focused on the recently and unceed buried paleochannels between **Tumas and Oryx**, and **Oryx-Tubas**. DYL recently announced a spectacular intersection (39m @ 1,254ppm incl. 16m @ 2,996ppm) at **Tumas**. **Oryx** – confirming that buried palaeochannels identified by AEM could add substantially to resources. **Toro Energy JV**: DYL's strategic position in Namibia will be enhanced by a new JV with Toro Energy (ASX:TOE) whereby DYL can earn 65% in 3 TOE EPL's all adjacent to DYL's Namibian tenements, for expenditure of A\$3.5m over 30 months. TOE's 3 EPL's are relatively unexplored, and have potential for buried palaeochannels (EPL 3668 – S of Langer Heinrich), magnetite-skarn mineralisation c.f Inca (EPL 3669 near Aussinains). **Isa West Project (QLD, Australia)**: (Xstrata JV; DYL can acquire 100 % U rights for total A\$10m spend). This project is now the main focus of Australian exploration. Results from RC drilling to test for mineralisation in multiple historic exploration targets and uranium anomalies have returned excellent high grade intercepts (e.g 55m @ 587ppm, 6m @ 1,950ppm). DYL believes this project is potentially a highly

grade intercepts (e.g. 55m @ 587ppm, 6m @ 1,950ppm). DYL believes this project is potentially a highly mineralised major uranium field adjacent to Xstrata's Mt Isa operations. **Other Australian Projects:** DYL holds interests in >28,000 km<sup>2</sup> grass roots tenements in NT, QLD. Low priority, DYL is concentrating on advanced resource development. **Napperby (NT):** target 13mlb resource,

current 7.4mlb. Toro Energy (ASX:TOE) is project operator and has option to purchase 100%, (scaled payment, min. ~A\$57m by Jul '10). Resource now 7.4mlb and scoping study out by end 2Q09. Investment Comment: DYL's strong management and technical team is advancing its exploration

projects in the Namibian uranium corritor to >100mb resource status, with excellent prospects for additional resource upside. Isa West in QLD is emerging as a highly mineralised province with a steady flow of excellent results. Namibian big brother PDN (Langer Heinrich mine) holds 19.3% (avg. price 24.6c). Despite a recent run, the shares still look undervalued. Based on initial Namibia resource target of 110mb and modest resource value of US\$3.00/lb, we can justify a medium term target of A\$0.50/share.

### Reserves and Resources/Mineralised Material

Code for reporting mineral re	sources - Australian:	(JORC)						
Uranium (U <sub>3</sub> O <sub>8</sub> )	Classification/	Project	Ore	Grade	Cut Off			Eqty
	Geology	Equity	Mt	%	ppm	Kt	Mlb	Mlb
Reserves						0.0	0.0	0.0
Resources								
Tubas	Inferred	100%	77.3	0.023	100	17.6	38.8	38.8
Tumas	Ind & Inf	100%	10.0	0.035	200	<u>3.5</u>	7.6	7.6
Total Resources			87.3	0.024		21.1	46.4	46.4
Mineralised Material (es	t., non compliant with	JORC)						
Other Namibia: Oryx, Tur	nas, Aussinanis	100%	62.5	0.028	100	17.8	39.2	39.2

Note: Napperby project (Aust, NT) current resource is 7.4Mlb U3O8. TOE is operator and has option to purchase 100%

Kev Projects

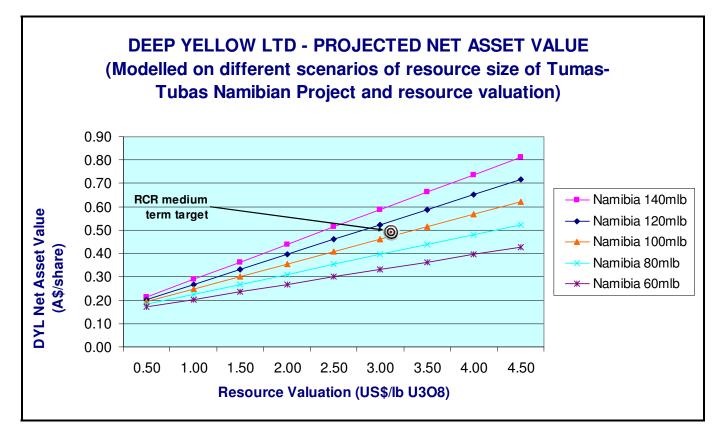
	Ownership/		JV	Target	Process	Project	
Project	Option	Metal	Partner	Туре	Route	Status	Location
Namibia*	100%	uranium	na	calcrete	na	Adv Expl.	Namibia
Toro JV	65%	uranium	TOE	calcrete	na	Mid Expl.	Namibia
Queens Gift	100%	uranium	na	Breccia	na	Mid Expl.	Aus (QLI
lsa West JV	100% uranium	uranium	Xstrata	Breccia	na	Early Expl	Aus (QLI
Tanami-Arunta	100%	uranium	na	na	na	Early Expl	Aus (N
Napperby	100/0%	uranium	TOE	calcrete	conv.	PFS	Aus (NT

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# We have run a DYL valuation model (see below) based on a Namibian resource target of 110mlb contained U<sub>3</sub>O<sub>8</sub> and applied an overall resource valuation of US\$3.00/lb. Napperby project value is reflected in Toro Energy acquisition agreement payments (or return of project to DYL).

	Med. Term				
	Target		Target	Valuation	Sensitivity
	Uranium	Target	Price	(Low)	(High)
	Resource	Valuation	<u>A\$m</u>	<u>A\$m</u>	A\$m
Projects	(mlbs)	US\$/Ib			
+ Namibia - Tubas-Tumas Project ^	110	3.00	418	278	557
+ Napperby (TOE Acquisition Agreement)*	13	-	57	25	77
+Isa West Project (highly mineralised province	e)		30	15	40
+Exploration (NT,QLD)			<u>20</u>	<u>10</u>	<u>30</u>
Sub Total			525	328	704.0
+ Cash (Jun 09)			46.2	46.2	46.2
+ Tax Losses			1.3	1.3	1.3
- Corporate			<u>16.6</u>	<u>16.6</u>	<u>16.6</u>
Sub Total			30.9	30.9	30.9
DYL NET ASSET VALUE (A\$m)			556	359	735
Capital Structure					
Shares (m)			1121.2	1121.2	1121.2
Fully Diluted Shares (m)			1185.8	1185.8	1185.8
DYL NET ASSET VALUE PER SHARE	:A\$/share		0.50	0.32	0.66
DYL NET ASSET VALUE DILUTED	:A\$/share fully dilut	ed	0.50	0.33	0.65
^ Initial resource target of 110mlb used (does not *Napperby valuation based on TOE payment tern Napperby payments due Jul 2010 or return of pro	ns - Target = lower range of pa	ayment, High Valuation = upper	range of payment, Low valuation as	sumes TOE hands Napper	rby back.

The chart below shows strong valuation leverage to increased Namibian resource size and perceived US\$/Ib resource valuation benchmarks (which would increase with increased resource size, improved U<sub>3</sub>O<sub>8</sub> prices and increased resource grades).



**Resource Capital Research** 

## EKM.AU

15 June 2009 Gold, Uranium Australia (WA) Advanced Exploration Exchanges: ASX:EKM

### **Capital Profile**

Share price (A\$)	0.04		
52 week range (A\$/share)	0.01	to	0.14
Number of shares (m)	141.0		
Options and warrants (m)	39.4		
Convertible notes (m)	0.0		
Fully diluted (m)	180.4		
Market capitalisation (undiluted) (A\$m)	5.2		
Debt (A\$m) - Jun 09F	0.0		
Enterprise value (A\$m)	5.2		
Major shareholders: Perth Select Seafood (5.9%	), Troyleigh Inv. L	td (4.8	3%)
HSBC Custody Nom's (4.6%), Haifa Pty Ltd (4.0%	).		
Avg monthly volume (m)	9		
Cash (A\$m) - Jun 09F	2.5		
Price/Cash (x)	2.1		
Price/Book (x)	0.6		
Company options:	No		

### **Investment Points**

EKM's focus is gold and uranium in WA. Exploration budget is ~A\$1.5mpa mostly now directed to gold.

Strategic position (~2,500km<sup>2</sup>) in remote under-explored Yamarna greenstone belt in Yilgarn Craton.

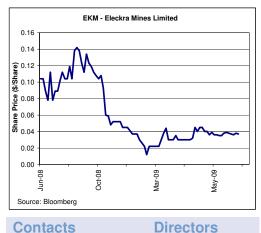
Yilgarn Craton hosts world-class gold ore bodies and produces over half of Australia's gold.

Yamarna (Attila-Alaric) gold resource 749koz Au near surface - potential upside along 17km strike and at depth.

Current exploration drilling focus is on four potential new Yamarna targets.

Newly granted tenements (Golden Sands project) cover unexplored ground between Yamarna and the AngloGold Tropicana discovery (5moz resource).

Recent capital raisings injected A\$2.7m.



I Murray (Exec Chairman)

R Davis (Non-Exec Dir)

K Hart (Non-Exec Dir)

### **Contacts**

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Analyst: Dr Tony Parry tony parry@rcresearch.com.au

June Quarter 2009

### **Eleckra Mines Limited**

#### A\$ 0.04

EKM controls most of the highly prospective and underexplored Yamarna belt (WA) and has established resources of 749koz gold and 6.2mlb U<sub>3</sub>O<sub>8</sub>. The company is increasing its gold focus, pegging further unexplored ground N of AngloGold's Tropicana (5moz resource).

### **Production and Financial Forecasts**

YEAR END: June	Mar-09a	Jun-09F	2008a	2009F	2010F
Exploration and evaluation (A\$m)	0.17	0.40	1.71	1.10	1.50
Corporate (A\$m)	0.12	0.15	0.99	0.71	0.60
Exploration/(Expl.+ Corporate) (%)	60	73	63	61	71
Funding duration at current burn (years)			0.6	1.4	0.2
Shares on issue (pr end) (m shares)	68.3	170.4	62.1	170.4	170.4
Drilling - RAB (m)	3,000	5,000	17,400	15,000	14,000
Drilling - Other/Diamond (m)	0	0	3,550	3,000	15,000
Land holding ('000 ha)*	710	710	200	710	710
Tenement costs (\$k per year)	-	-	-	-	-
Capital raisings (A\$m)	0.16	2.50	0.00	2.66	0.00
Funding from JV partners (A\$m)	0	0	0	0	0
Cash (A\$m)	0.5	2.5	1.6	2.5	0.5
Cash backing (Ac/share)	0.7	1.4	2.5	1.4	0.3
Net asset backing (Ac/share)	8.4	4.8	9.7	4.8	4.5
*Gold and uranium prospective tenements, b	oth held and und	ler application.			

### **Company Comment**

Overview: EKM listed on the ASX July '06. The company's highest priority is the Yamarna Greenstone Belt where its most advanced project is the Attila gold deposit (749koz resource). The area also hosts uranium mineralisation with a 6.2mlb resource identified by EKM in the extensions to the Thatcher Soak drainage channel

Yamarna project (WA): (2,500km<sup>2</sup>, gold) EKM has defined an initial gold resource along the Yamarna shear zone - a regional scale mineralised trend considered prospective for multi-million ounce discoveries. EKM's 749koz resource defined to date occurs in the **Attila-Alaric zone** along a 17km strike length. There are gaps in drill coverage with over 50% of the strike length untested. The deposit is open at depth and along strike. Anticipated resource conversion is ~50% with EKM aiming to achieve resources of 1moz - 1.5moz Au before commencing a PFS. Preliminary metallurgical testing has indicated good heap leach characteristics. Further testing planned for 3Q09. There are multiple regional targets to be tested for potential resource expansion. A 5,000m RAB drilling campaign is underway to test 4 of the most promising geochem and drill anomalies, the 1km **Dorothy Hills** prospect (25kn NE of Attila) and Central Bore, Hann and Elvis which are adjacent to Attila.

Golden Sands (WA): (1,500 km², gold) EKM has recently been granted new exploration tenements between Yamarna and the tenements to the south hosting the AngloGold Ashanti/Independence Group **Tropicana** gold project (5moz resource – currently subject of a PFS for a ~400kozpa operation). picana is a recent discovery (2005) resulting from following up an unexplained gold-in-soil anomaly. EKM is planning an initial program comprising airborne magnetic and radiometric surveys over the tenements in 2H09 in order to understand the regional geology and to delineate potential extensions of the Yamarna shear zones beneath sand cover. **Thatcher Soak Tenements:** (2,000km<sup>2</sup>,U) EKM holds sections of the Thatcher Soak calcrete uranium

prospect and extensions to the palaeochannel that hosts the Thatcher Soak historic deposit. EKM has established a 6.2mlb resource – strategies for this project are currently being reviewed.

Corporate: Through recent placements and a rights issue at 2.5cents per share (+ free options) EKM has raised A\$2.7m which will ensure gold exploration momentum can be maintained during FY10. Investment Comment: The prospectivity and exploration upside of EKM's gold exploration projects in

the highly prospective Yamarna greenstone belt has been greatly enhanced by picking up the unexplored ground north of the 5moz Tropicana discovery. With an established 749koz resource, highly prospective grass roots gold exploration ground, cash of just over A\$2m, and a renewed focus on serious gold exploration (not to mention a 6.2mlb uranium resource) EKM capitalised at under A\$6m looks undervalued and will be highly geared to any positive exploration developments in 2H09.

### Reserves and Resources/Mineralised Material

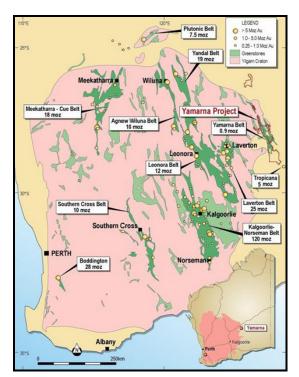
Code for reporting mineral re	esources - Australian:	(JORC)						
Gold	Classification	Project	Ore	Au	Cut Off	Au	Au	Au Eq
		Equity	Mt	g/t	g/t	t	koz	koz
Reserves						0.0	0.0	0.0
Resources								
Yamarna - Attila-Alaric	Inf., Ind. & Meas.	100%	13.1	1.78	1.00	23.3	749	749
Mineralised Material (es	RC)				0.0	0.0	0.0	
Uranium Resources		Project Equity	Mt	U3O8 %	Cut Off ppm	U₃O₀ kt	U₃Oଃ mlb	U₃O8 Eqty ml
Thatcher Soak	Inferred	100%	16.1	0.017	100	2.7	6.2	6.2

### **Key Projects**

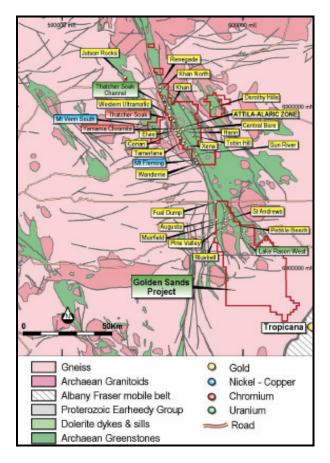
Project	Ownership/ Option	Metal	JV Partner	Target Type	Process Route	Project Status	Location
Yamarna - Attila	100%	Au	none	ox/sulp	heap leach	Adv. Expl.	Aus (WA)
Yamarna - Gold regional	100%	Au	none	ox/sulp	na	Mid Expl.	Aus (WA)
Golden Sands	100%	Au	none	ox/sulp	na	Early Expl.	Aus (WA)
Yamarna: Thatcher Soak	100%	U	none	Calcrete	Alk. Leach	Mid Expl.	Aus (WA)
Lake Rason + Lake Wells	100%	U	none	Calcrete	Alk. Leach	Early Expl.	Aus (WA)

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The Yamarna project tenements are on the western edge of the Yilgarn Craton, WA. EKM's Yamarna Greenstone Belt gold prospective portfolio covers an area of ~5,100 km<sup>2</sup> of underexplored ground.



EKM's Yamarna tenements (red boundary) include the 6.2mlb U<sub>3</sub>O<sub>8</sub> Thatcher Soak resource and the 749koz Attila gold resource and numerous advanced gold drill targets. Further south, the newly acquired Golden Sands tenement north of AngloGold's 5moz Tropicana discovery is unexplored.



**Resource Capital Research** 

## ERA.AU

15 June 2009 Uranium Australia (NT) Producer Exchanges: ASX:ERA

### **Capital Profile**

24.31	
9.35 to	28.28
191	
0	
0	
191	
4,637	
0	
4,637	
22	
107.5	
43.1	
5.8	
No	
	9.35 to 1 191 0 0 191 4,637 0 4,637 22 107.5 43.1 5.8

### **Investment Points**

ERA offers 100% exposure to uranium production and exploration

ERA is the world's third largest uranium producer, mining at Ranger (NT) since 1981.

Ranger 3 Deeps PFS expected mid 2009; Resource remains open to the north.

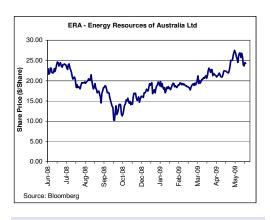
Ranger expansion/heap leach assessment - initial options expected 1H09.

Initial production from laterite and radiometric sorting plants expected 2009 - target opex <US\$20/lb.

#### Legacy uranium contracts are declining.

ERA growth potential includes further reserve increases at Jabiluka, regional exploration success and Ranger, leverage to the stronger uranium price.

Jabiluka mining lease granted - awaiting development consent from traditional land owners. 12 year mine life.



### **Contacts**

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johnwilson@rcresearch.com.au

D. Klinger (Chairman) R. Atkinson (Director) C. Salisbury (Non Ex Dir) R. Carter (Non Exec Dir) P. Taylor (Non Exec Dir)

Directors

H. Garnett (Non Exec Dir)

Energy Re	sources of	Australia Ltd
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A\$ 24.31

ERA remains focused on mining, evaluating and exploring its leases in the highly propsective East Alligator River region (NT). The company has a pipeline of growth projects at Ranger with potential to expand, extend and accelerate output. PFS expected 2H09.

### Production and Financial Forecasts

YEAR END: Dec	2007a	2008a	2009F	2010F	2011F
Equity Production (kt)	5,412	5,339	5,276	5,340	5,393
EBIT (A\$m)	100	213	324	417	494
Net Profit (norm) (A\$m)	76	119	222	287	341
EPS (norm) (A¢/share)	40	116	116	150	179
CFPS (A¢/share)	76	137	198	250	298
Dividends (A¢/share)	20	19	87	113	134
PER (x)	60.9	20.9	20.9	16.2	13.6
P/CF (x)	31.9	17.8	12.3	9.7	8.2
Yield (%)	0.8%	0.8%	3.6%	4.6%	5.5%
EV/EBITDA (x)	31.9	17.8	12.3	9.7	8.2
Exploration and Evaluation (A\$m)	14.1	29.0	28.6	28.0	10.0
Drilling - RAB (m)	-	-	-	-	-
Drilling - Other/Diamond (m)	51,127	57,674	36,248	45,000	45,000
Land holding ('000 ha)*	7.9	7.9	7.9	7.9	7.9
*Ranger only.	Quarters refe	r to calendar year.			

### Company Comment

Overview: ERA has mined ore and produced uranium oxide at Ranger (NT) since 1981. Ranger is the **Overview:** ERA has mined ore and produced uranium oxide at Ranger (NT) since 1981. Ranger is the world's second largest uranium mine with normalised production of 5.9kt of  $U_3O_8$  per year, equivalent to 12% of global uranium mine supply. ERA also holds title to the Jabiluka deposit 22km north of Ranger. **Ranger No. 3:** Ranger is an open cut mine scheduled to operate till 2012 after which stockpiled ore will be processed through to 2020. A pre-feasibility study (PFS, A\$10m) is underway to review potential for a larger pit extension (containing 8kt  $U_3O_8$ ) or possible underground and plant expansion with an update expected 1H09. Expansion options include de-bottlenecking of the crushing and grinding circuit and a heap leach (to treat additional 15k to 20kt  $U_3O_8$  in situ and on stockpiles; EIS required). The Ranger resource upgrade (Jan '09, +128%) received a substantial boost from lowering the cut-off grade to 0.02%.

 $U_3O_8$  (from 0.08%), in part reflecting the demonstrated potential for extraction via heap leach. Ranger 3 Deeps is relatively early stage and an evaluation is expected 2H09 for development of an underground decline to allow for closer spaced drilling. Subject to approvals, the decline could commence 1H10. Ranger 3 Deeps resource target is 15m-20mt containing 30k-40kt  $U_3O_8$ , mineralisation - defined over 1.2km strike (open to the north) and 250m-500m depth. The current pit floor is around 130m deep and reserves are to 180m. Ranger is powered by diesel genset. Production from a radiometric sorter aims to bring forward production of a total of 1,100t (~220tpa)  $U_3O_8$  from 2009 to 2013. There is potential for

bring forward production of a total of 1,100t (~220tpa) U<sub>3</sub>O<sub>8</sub> from 2009 to 2013. There is potential for additional material (categorised as waste) to be treated (approx. 40mt @ 0.04% U<sub>3</sub>O<sub>8</sub>). **Jabiluka:** The project remains on long term care and maintenance and will not proceed without the consent of the traditional owners - the Mirrar. All regulatory permits are granted (some may need to be reviewed). We model mine production to commence by 2014, subject to approval. The Jabiluka grade model was revised in 2007. With optimisation of the existing mine plan reserves increased (Jan '09, +15%) to 67.7kt U<sub>3</sub>O<sub>8</sub> (grading 0.49%) up from 59kt U<sub>3</sub>O<sub>8</sub> (grading 0.50%) previously. The project is highly prospective for resource upside and the deposit is open at depth and along strike. **Investment Comment:** Our NPV valuation is A\$20.98/share, (10% discount rate, uranium price forecasts of US\$50/b in CY09, US\$60/b from 2010 to 2015 and US\$35/b long term). We anticipate a strong lift in underlying earnings in 2009 to A\$222m (from A\$119m in 2008) primarily reflecting the

strong lift in underlying earnings in 2009 to A\$222m (from A\$119m in 2008) primally reflecting the benefit of the continuing decline in legacy contracts. The average realised uranium price in 2008 was US\$32.53/lb (2007 US\$25.06/lb). ERA has good mid term earnings growth potential and share price upside from organic growth in reserves and production, exploration discovery, and rising leverage to the uranium price as legacy contracts expire.

### Reserves and Resources/Mineralised Material

Code for reporting mineral	resources - Australian:	(JORC)						
Uranium	Classification	Project	Ore	U <sub>3</sub> O <sub>8</sub>	Cut Off	U₃O <sub>8</sub>	U₃O <sub>8</sub>	Eqty
U <sub>3</sub> O <sub>8</sub>		Equity	Mt	%	%	kt	MIb	Mlb
Reserves								
Ranger No. 3 pit	Proved and Probable	100%	7.9	0.23	0.08	18.5	40.7	40.7
Ranger Stockpile	Stockpile	100%	22.3	0.11	0.06	25.5	56.0	56.0
Jabiluka	Proved and Probable	100%	<u>13.8</u>	0.49	0.20	67.7	148.9	148.9
Sub total			44.0	0.25		111.7	245.7	245.7
Resources (in addition t	o reserves)							
Ranger No. 3 pit	Measured and Ind.	100%	86.2	0.10	0.02	89.7	197.4	197.4
Jabiluka	Measured and Ind.	100%	4.54	0.36	0.20	16.4	36.17	36.2
Ranger No. 3 pit	Inferred	100%	6.1	0.13	0.02	8.1	17.9	17.9
Jabiluka	Inferred	100%	10.9	0.53	0.20	57.5	126.5	126.5
Ranger Stockpile	Stockpile	100%	36.0	0.05	0.02	17.5	38.5	<u>38.5</u>
Sub total			143.7	0.13		189.3	416.5	416.5
Mineralised Material	(est.)		0.0	0.00		0.0	0.0	0.0

### **Key Projects**

	Ownership/		JV	Target	Process	Project	
Project	Option	Metal	Partner	Туре	Route	Status	Locatior
Ranger	100%	Uranium	na	Unconformity	acid leach	Production	Aus (NT)
Jabiluka	100%	Uranium	na	Unconformity	acid leach	Pending	Aus (NT)

Analyst: John Wilson June Quarter 2009

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### Energy Resources of Australia Ltd

YEAR END: Dec			Year		
ASSUMPTIONS	2007a	2008a	2009F	2010F	2011F
A\$/US\$	0.84	0.85	0.70	0.76	0.77
Uranium Price (US\$/lb) Uranium Price Realised (US\$/lb)	99.9 25.1	61.6 32.5	49.4 41.5	60.2 52.4	60.8 57.5
	23.1	52.5	41.5	JZ.4	57.5
EQUITY PRODUCTION					
Ranger Production (t)	5,412	5,339	5,276	5,340	5,393
Jabiluka Production (t) ERA Equity Production U <sub>3</sub> O <sub>8</sub> (t)	<u>0</u> 5,412	<u>0</u> 5,339	<u>0</u> 5,276	<u>0</u> 5.340	<u>0</u> 5.393
Cash Costs (US\$/lb)	12.42	16.69	16.12	19.18	19.70
PROFIT AND LOSS (A\$m)					
Revenues Operating costs	362 -158	504 -205	698 -231	827 -254	905 -256
Depreciation/amortization	-46	-203	-231	-2.34	-230
Exploration	-14	-29	-29	-28	-10
Corporate	-5	-11	-12	-12	-12
Other	-40	2	-48	-55	-59
EBIT	100 1	213 4	324 0	417 0	<b>494</b> 0
Operating profit/loss	98	209	324	417	494
Tax	-22	-91	-102	-130	-153
Minorities	0	0	0	0	0
Net profit/loss	76	119	222	287	341
Net other Net profit/loss (reported)	0 76	103 222	0 222	0 287	0 341
	10	222		20/	341
BALANCE SHEET (A\$m) Cash and deposits	34	109	180	311	441
Total current assets	254	278	349	480	610
PP&E	369	491	482	480	490
Total non-current assets Total assets	731 985	893 1170	884 1233	882 1362	892 1502
Total current liabilities	143	188	152	158	161
Reclamation reserves	186	184	184	184	184
Long term debt	0	0	0	0	0
Total non-current liabilities	236	224	224	224	224
Total liabilities Equity	379 606	411 759	376 857	382 980	384 1117
	500	100	001	300	
Total debt	55	0	0	0	0
Net debt Average shares (fully diluted) (m)	37 191	-107 191	-178 <b>191</b>	-309 191	-439 191
Average shares (luny diluted) (iii)	191	191	191	191	191
FLOW OF FUNDS (A\$m) EBITDA	145	261	378	477	568
Cash flow from operating activities					
Operating surplus	203	297	462	563	634
Corporate	-5	-11	-12	-12	-12
Net borrowing cost Net tax paid	-2 -29	-5 -30	-5 -85	-11 -116	-17 -145
Net exploration paid	-29	0	-29	-28	-145
Other non cash items	-86	156	35	44	34
Net cash from operating activities Cash flow from investing activities	67	406	366	440	484
Capital expenditure	-93	-166	-45	-58	-84
Other non cash items	0	2	-29	-28	-10
Net cash from investing activities	-93	-164	-73	-86	-94
Cash flow from financing activities Net proceeds from issue of shares	0	0	0	0	0
Dividends paid	-21	-53	-166	-215	-255
Net proceeds from borrowings	50	-98	0	0	0
Net cash from financing activities Net change in cash	<b>29</b> 3	-151 90	-166 126	-215 138	<b>-255</b> 134
5	5	~~			
PRODUCTION STATISTICS Ranger					100%
Ore Treated (kt)	1924	2000	3480	4180	4180
Head Grade (%)	0.31	0.34	0.18	0.15	0.15
Recovery (%) Recovered grade (%)	90 0.28	88 0.30	86 0.15	85 0.13	85 0.13
U <sub>3</sub> O <sub>8</sub> Produced (t)	5412	5339	5276	5340	5393
Equity Production (t)	5412	5339	5276	5340	5393
Cash Costs (US\$/Ib)	8.73	13.57	16.16	19.18	19.70
Production Costs (\$/t) ERA Share EBIT (A\$m)	54.17 131.0	89.76 257.4	54.00 370.3	54.04 457.6	56.03 510.9
Jabiluka					100%
Ore Treated (kt)	0	0	0	0	0
Head Grade (%)	0.00	0.00	0.00	0.00	0.00
Recovery (%)	0	0	0	0	0
Recovered grade (%)	0.00	0.00	0.00	0.00	0.00
U <sub>3</sub> O <sub>8</sub> Produced (t) Equity Production (t)	0 0	0 0	0	0 0	0 0
Cash Costs (US\$/Ib)	0.00	0.00	0.00	0.00	0.00
Production Costs (\$/t)	0.00	0.00	0.00	0.00	0.00
ERA Share EBIT (A\$m)	0.0	0.0	0.0	0.0	0.0

			Year		
FINANCIAL RATIOS	2007a	2008a	2009F	2010F	2011F
Net debt/equity (%)	1%	-2%	-4%	-7%	-9%
Net debt/ net debt + equity (%)	1%	-2%	-4%	-7%	-10%
Current ratio (x)	1.8	1.5	2.3	3.0	3.0
EBIT/interest (x)	83	49	na	na	na
Debt/operating cashflow (%)	82%	0%	0%	0%	0%
Exploration/total overhead (%)	74%	72%	70%	69%	45%
EV/EBITDA (x)	31.9	17.8	12.3	9.7	8.2
Market cap/net cash (x)	-124.3	43.4	26.1	15.0	10.6
Market cap/book (x)	7.7	6.1	5.4	4.7	4.1

**Resource Capital Research** 

RCR

### FINANCIAL SENSITIVITIES

% Change in EPS for a 10% increase in:

AUD/USD	-36%	-25%	-20%
Uranium Price	24%	34%	29%

% Change in NPV for a 10% increase in forecast minelife

commodity assumptions for:				
	Base	+ 10%		
	A\$/share	A\$/share	%	
Uranium Price	20.98	22.55	7%	
Uranium Price	1		,-	

VALUATION (A\$m)				Q2 09	
Assumptions				Base	"What if
Long Term Uranium Price (from 2	2016)		:US\$/lb	35	70
Spot AUUS				0.78	0.78
Projects					
Ranger	100%	NPV@10%	US\$15.60/lb	1509	1811
Jabiluka	100%	NPV@10%	US\$6.63/lb	988	2006
Resources					
Ranger	100%	253.8 mlb	US\$3.00/lb	1058	2115
Jabiluka	100%	162.7 mlb	US\$2.50/lb	480	1056
Exploration				70	110
Assets					
Cash and deposits				108	108
Rehabilitation Fund				52	52
Other				0	0
Liabilities					
Debt				0	0
Corporate				-78	-78
Reclaimation reserve				-184	<u>-184</u> 6995
Net Assets				4001	6995
Fully Diluted Shares (m)				191	191
Net assets/share (A\$/share)				20.98	36.67
Valuation/Reserve lb		:US\$/lb		12.70	22.21
Valuation/Reserve & Resource Ib		:US\$/lb		4.71	8.24
OWNER				Share %	

The largest 20 shareholders hold 72.82% of the total shares issued.

DIRECTOR'S INTERESTS Shares
R Carter Director 25,000

June Quarter 2009

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Rio Tinto

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**Resource Capital Research** 

## EXT.AU

15 June 2009 Uranium Namibia Advanced exploration Exchanges: ASX:EXT, TSX:EXT

### **Capital Profile**

Share price (A\$)	6.75		
52 week range (A\$/share)	0.75	to	6.99
Number of shares (m)	229		
Options and warrants (m)	3		
Convertible notes (m)	0		
Fully diluted (m)	232		
Market capitalisation (undiluted) (A\$m)	1544.1		
Debt (A\$m) - Jun 09F	0.0		
Enterprise value (A\$m)	1544.1		
Major shareholders: Kalahari Uranium Ltd (37.09	%), Rio Tinto plc (1	5.2%	s),
Polo Resources Ltd (10.2%), Acorn Capital Ltd (	3.5%)		
Avg monthly volume (m)	11		
Cash (A\$m) - Jun 09F	25.6		
Price/Cash (x)	60.3		
Price/Book (x)	13.6		
ASX/TSX listed options:	No		

### **Investment Points**

100% uranium focus in Namibia. Exploration budget ~A\$22m pa, cash A\$30m. production potential 2012.

Rossing South ("RS") confirmed as a major world class uranium discovery of interest to neighbour RIO (15.2%).

RS Zone1 resource 108mlb @ 430ppm, upgrade 3Q09

RS Zone 2 initial JORC statement 3Q09 - target 106mlb likely to be exceeded, excellent grades

PFS underway - scoping study due Jul '09.

Total resources expected in 3Q09 ~250mlb. Gross value A\$19bn (@US\$60/lb U<sub>3</sub>O<sub>8</sub>).

Zones 1 & 2 are only ~40% of total 15km potential mineralised trend. Zone extensions being drilled.

Still looks undervalued - 300mlb potential resource gives US\$3.50/lb. Med. term target A\$7.50-8.00/share.



### Contacts

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Analyst: Dr Tony Parry tonyparry@rcresearch.com.au

June Quarter 2009

### Extract Resources Limited

A\$ 6.75

EXT shares are up >400% in 9 months, going from a mid-sized explorer to a seat with the majors in the ASX200 index. With a resource potential at Rossing South (Namibia) of 300mlb plus, the shares still look undervalued. Our medium term target is A\$7.50-A\$8.00.

### **Production and Financial Forecasts**

YEAR END: June	Mar-09a	Jun-09F	2008a	2009a	2010F
Exploration and evaluation (A\$m)	3.75	6.60	10.17	21.40	21.00
Corporate (A\$m)	1.31	1.10	2.91	4.69	4.15
Exploration/(Expl.+ Corporate) (%)	74	86	78	82	83
Funding duration at current burn (years	)		2.5	1.0	0.7
Shares on issue (pr end) (m shares)	223.3	228.6	212.7	228.6	231.6
Drilling - RAB (m)	0	0	0	0	0
Drilling - RC/Diamond (m)	30,000	35,000	67,956	130,000	140,000
Land holding ('000 ha)*	270	270	270	270	270
Tenement costs (\$k per year)	-	-	-	-	-
Capital raisings, net (A\$m)	10.35	5.00	31.44	15.35	15.00
Funding from JV partners (A\$m)	0	0	0	0	0
Cash (A\$m)	27.9	25.6	32.4	25.6	16.5
Cash backing (Ac/share)	12.5	11.2	15.2	11.2	7.1
Net asset backing (Ac/share)	48.9	49.7	46.3	49.7	54.2
Uranium prospective tenements only, both	held and under ap	plication.	Quarters refer to	calendar year end.	

### Company Comment

Overview: EXT's exploration for uranium in Namibia is exceeding expectations as the world class potential of the major Rössing South discovery (located immediately South of the RIO's Rössing uranium mine) becomes more evident. Exploration is advancing rapidly towards 250 mlb U<sub>3</sub>O<sub>8</sub> and beyond. Rossing South Project – Resource Status: EXT has identified extensive strongly mineralised high

(previously concealed beneath Namib desert cover). EXT has identified two initial mineralised zones (Zones 1 and 2) covering a combined 6km strike length out of a total target zone of 15km. Both zones are open along strike and at depth (and are over 500m wide).

**Zone 1 (2.4km):** After ~65,000m of 100m x 100m resource drilling EXT has confirmed the initial inferred Zone 1 resource estimate of 115mt @ 430ppm  $U_3O_8$  containing 108.3mlb of  $U_3O_8$ , well in excess of the Zone 1 resource estimate of 11smt @ 430ppm  $O_3O_6$  containing 103.3mb of  $O_3O_6$ , well in excess of the original 57-92 mlb target for the 2.4km length of Zone 1. 3 Rigs (1 RC and 2 core) are currently engaged in resource definition drilling on 50 x 50 m spacings – we expect an upgraded JORC resource for Zone 1 in Aug '09. Further drilling to the S of Zone 1 is proceeding to determine possible resource extensions. **Zone 2 (2.0km)**: EXT has completed ~45,000m of an on going intensive resource definition drilling

program, using 3 RC rigs drilling on 100m x 100m centres. As with Zone 1, the initial resource target of 69 -106mlb U<sub>3</sub>O<sub>8</sub> is likely to be exceeded with spectacular drilling results (e.g. 73m @ 1,060ppm, 103m @ 560ppm). The maiden Zone 2 JORC statement is expected in Aug '09. **Trend Extensions:** EXT recently announced that initial scout drilling ~2.4km S of Zone 2 intersected

uraniferous alaskite with handheld spectrometer results indicating better results than Zone 1 discovery holes. This looks very encouraging for resource extensions beyond Zone 2. **Rossing South PFS:** Preliminary metallurgical tests have indicated recoveries ~90% with conventional acid leach. PFS (GRD Minproc) is now underway with initial scoping study to be completed in July 2009.

Ida Dome Project: The Ida Dome resource is ~20km south of the Rössing S. A JORC resource of 25.1mlbs  $U_3O_8$ . was defined before Zone 1. This is now low priority, additional resource potential is high. Corporate: Rothschild has been engaged by EXT as a corporate advisor, with project financing in mind. Boardroom stoushes between EXT and major shareholder KAH over Board composition are continuing (KAH now seeks to appoint a new M.D.) and other major shareholders Rio Tinto and Polo have indicated desire for Board representation. This is an interesting side issue that may intensify takeover speculation,

but is unlikely to have any impact on EXT's surging resource definition and development momentum. **Investment Comment:** Nine months ago EXT's market capitalisation was ~A\$220m. Currently it is >A\$1.3bn, (with EXT recently upgraded to the S&P ASX 200 index). The share price has surpassed the A\$5.00-A\$5.50 target we set in our last Review. The market is now starting to understand that Rossing S is shaping up to be one of the world's largest uranium deposits, with major exploration upside beyond 250mlb U<sub>3</sub>O<sub>8</sub>. Current EXT price values the potential resource at US\$5.22/lb (200mlb) or US\$3.48/lb (on 250mib 0<sub>3</sub>0<sub>8</sub>. Current EX1 price values the potential resource at 05%5.22/ib (200mib) or 05%5.48/ib (on a more likely min. 300mlb). With a huge 3Q09 positive newsflow looming (Zone 2 JORC resource, Zone 1 resource upgrade, exploration results south of Zone 1, and scoping study results) our previous end of year target of A\$7.00/share is likely to be exceeded. A\$7.50 – A\$8.00 is more likely (which is still a modest ~US\$4.50/lb valuation on a potential 300mlb resource).

### Reserves and Resources/Mineralised Material

Code for reporting mineral re	esources - Australian:	(JORC)						
Uranium	Classification	Project	Ore	$U_3O_8$	Cut Off	$U_3O_8$	$U_3O_8$	U <sub>3</sub> O <sub>8</sub> Eqty
U <sub>3</sub> O <sub>8</sub>		Equity	Mt	%	ppm	Kt	Mlb	Mlb
Reserves						0.0	0.0	0.0
Resources								
Rossing South Zone 1	Inferred	100%	115.0	0.043	100	49.5	108.3	108.3
lda Dome	Indicated & Inferred.	100%	53.3	0.021	100	11.4	25.1	25.1
Total Resources			168.3	0.036	100	60.8	133.4	133.4
Mineralised Material (es	t., non compliant with JOF	(C)				0.0	0.0	0.0

### Kev Projects

	-	-							
ay (Non Exec Chair) re (MD)	Proiect		Ownership/ Option	Metal	JV Partner	Target Type	Process Route	Project Status	Location
chlan (Non Exec)	Rössing Sout	ı	100%	U	none	Alaskite	Acid leach	Adv. Expl, PFS	Namibia
on Exec)	Ida Dome		100%	U	none	Alaskite	Acid leach	Adv. Expl, PFS	Namibia
ni-Kamwi (Non Exec	) Hildenhof		100%	U	none	Alaskite	na	Early Expl.	Namibia
	Uis		100%	U	none	Calcrete	na	Early Expl.	Namibia

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S Galloway P. McIntvre N. MacLac J Main (No I Zaamwai

**Directors** 

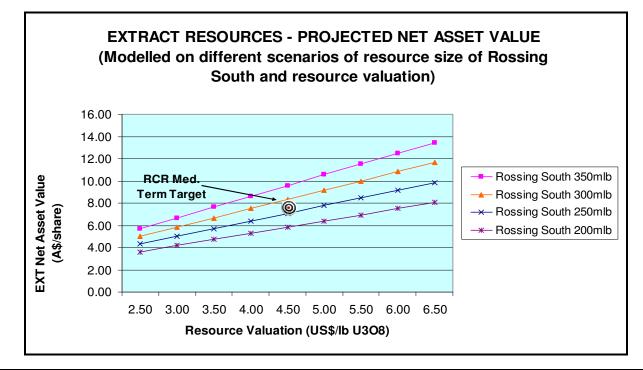
# Extract Resources valuation - estimates derived from resource projections for Rossing South and modelling of 4Q07 Ida Dome scoping study parameters (GRD Minproc). Base case uses US\$60/lb long term uranium price and A\$/US\$=0.78.

			Target	Valuation	n Sensitivity
	Uranium		Price	(Low)	(High)
	Resource	Valuation	<u>A\$m</u>	A\$m	A\$m
Projects	(mlbs)	US\$/lb			
+ Ida Dome (NPV@5% - Scoping study	) 40	2.16	111	52	200
+ Rossing South (potential resource	) 300	4.50	1731	1140	2000
+Exploration	,		<u>50</u>	<u>30</u>	<u>70</u>
Sub Total			1892	1222	2270.0
+ Cash (Jun '09)			25.6	25.6	25.6
+ Tax Losses			25.0	25.0	25.0
- Corporate			<u>15.7</u>	<u>15.7</u>	15.7
Sub Total			35.0	35.0	35.0
EXT NET ASSET VALUE			1927	1257	2305
Capital Structure					
Shares			228.6	228.6	228.6
Fully Diluted Shares			231.7	231.7	231.7
EXT NET ASSET VALUE PER SHARE	:A\$/share		8.43	5.50	10.08
EXT NET ASSET VALUE DILUTED	:A\$/share fully diluted		8.33	5.44	9.96

### IDA DOME URANIUM PROJECT (based on scoping study, conceptual resource extrapolation to 40mlb)

		Equity			Sensitivit	Y	
LONG TERM URANIUM PRICE^	:US\$/lb		35	40	60	90	125
EXCHANGE RATE	:AU\$/US\$		0.78	0.78	0.78	0.78	0.78
IDA DOME URANIUM NPV @ 10% NOMINAL*	:A\$m	100%	35	52	111	200	306
IDA DOME URANIUM NPV @ 10% NOMINAL*	:US\$m	100%	27	41	87	156	239
NPV/SHARE	:A\$/share		0.15	0.23	0.49	0.88	1.34
* Includes a pre prefeasibility study project discount of 30%	6 of the project valuat	ion:	30%				
^Uranium price forecasts are long term price indicated.							

### The chart below shows Extract Resources RCR valuation based on Rossing South resource size



Resource Capital Research (RC

## GGG.AU

15 June 2009 Rare Earth Elements, Uranium Greenland Advanced exploration Exchanges: ASX:GGG

### **Capital Profile**

Share price (A\$)	0.46	
52 week range (A\$/share)	0.15 to 0	.77
Number of shares (m)	219	
Options and warrants (m)	174	
Shares and options to be issued (m)*	-	
Fully diluted (m)	393	
Market capitalisation (undiluted) (A\$m)	100.5	
Debt (A\$m) - Jun 09F	0.0	
Enterprise value (A\$m)	100.5	
Major shareholders: GCM Nominees (18.1%), V	Vestrip Holdings (15.6%),	
Gravner Ltd (15.0%), ANZ Nominees (10.5%), HS	BC Custody Nom. (5.5%)	
Avg monthly volume (m)	39	
Cash (A\$m) - Jun 09F	14.7	
Price/Cash (x)	6.8	
Price/Book (x)	2.5	
Listed company options:	GGGO	
*A\$62m in cash and 10m shares subject to variou	s conditions - optional stage	d pa

#### **Investment Points**

Multi-element focus at Kvanefjeld - uranium component valued at approx ~US12bn (US55/lb).

JORC resource 334mt containing 223mlbs  $U_3O_{8,}$  2.6mt REO and 2.2mt NaF- open at depth (>300m) and along strike. Potential resource upgrade June 2009.

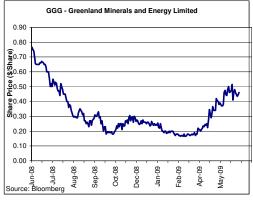
Exploration budget '09 is A\$3m, with potential 40% contribution from JV. Drilling ~5,000-7000m (geotech and met) in June-Sept '09. Mid-term resource target 500mt.

Potential to be one of the world's largest REE and U deposits - plus economic potential NaF, Zn and Sn.

Metallurgy and mineralogy budget ~A\$5m in 2009. Prefeasibility study, with mine plan (Coffey) and process flow sheet (GRD Minproc, ANSTO), expected late 3Q09.

Placements in 2Q09 raised A\$6m @ A20-25c/share.

New minority Government (election June 2009) has prior anti-uranium stance, new position yet to be clarified.



**Directors** 

R McIllree (MD)

M Hutchinson (Chair)

M Mason (Tech Dir)

S Cato (Exec Dir) J Whybrow (Expl Dir)

T Ho (Non-Exec) H Schonwandt (Non Exec) Pi

K١

### Contacts

Mr Roderick McIllree Managing Director Tel: 61 (0) 8 9226 1100 West Perth, WA, Australia

Analyst: Dr Trent Allen trentallen@rcresearch.com.au

June Quarter 2009

### **Greenland Minerals and Energy Ltd**

A\$ 0.46

A JORC resource upgrade of the Kvanefjeld uranium and rare earths deposit in Greenland (current 223mlb  $U_3O_8$  and 2.6mt REO) is expected in June '09 and a PFS in late 3Q09. Uranium-mining stance of new Government (elected June '09) awaits clarification.

### Production and Financial Forecasts

Year End: June	Mar-09a	Jun-09F	2008a	2009F	2010F
Exploration and evaluation (A\$m)	2.05	1.50	11.78	9.88	3.30
Corporate (A\$m)	1.05	0.63	4	3.52	2.50
Exploration/(Expl.+ Corporate) (%)	66	71	0	74	57
Funding duration at current burn (years)			0	1.1	2.9
Shares on issue (pr end) (m shares)	193.5	222.5	192.9	222.5	239.2
Drilling - RAB (m)	0	0	0	0	0
Drilling - Other/Diamond (m)	0	1,000	17,522	10,000	8,000
Land holding ('000 ha)	211	211	211	211	0
Tenement costs (\$k per year)	-	-	-	-	-
Capital raisings (A\$m)	0.0	6.0	38.8	6.0	10.0
Funding from JV partners (A\$m)	0	0	0	0	1.6
Cash (A\$m)	12.5	14.7	21.5	14.7	16.6
Cash backing (Ac/share)	6.5	6.6	11.2	6.6	6.9
Net asset backing (Ac/share)	18.4	17.8	18.7	17.8	19.0
ents to increase Kvanefjeld holding from 61% t	o 100%.	Q	uarters refer to cal	ander year.	

### Company Comment

**Overview:** Greenland Minerals and Energy Limited is a Perth based company that listed on the ASX in June 2006 (ASX:GGG). It is evaluating the uranium-rich Kvanefjeld multi-element project in Greenland, a self-governing Danish province. The project was acquired in 2007.

**Kvanefjeld (uranium, Greenland):** The project is located on the SW tip of Greenland, at Narsaq. Within the limaussaq alkaline intrusive complex, it is one of the world's largest undeveloped rare earth elements and uranium deposits. The Danish Atomic Energy Agency and the Danish Geological Survey completed >11,500m of diamond drilling (1957-1983) and defined a resource of 126mt @  $0.04\% U_3O_8$  (14m<sup>2</sup> area). Other potentially economic elements and minerals include zinc, tin and sodium fluoride. Uranium likely accounts for ~25% of the potential in-ground value. GGG's ownership of 61% is moving to 90% with A\$10m cash payment, and 100% with additional A\$50m, subject to various conditions.

**The deposit:** is a flat-lying slab of disseminated mineralisation, open at depth and in three directions, and accounts for ~10% of the prospective host rock. The current area of significant mineralisation is 1,900m by 700m and depth >275m. Current **JORC Inferred resource** (Aug '08) is 334mt @ 0.03% U<sub>3</sub>O<sub>8</sub> for 223mlbs, including 215mt @ 1.21% REO for 2.59mt and 201mt @ 1.11% NaF for 2.21mt. REO and NaF resources expected to increase with receipt of pending assays – next upgrade expected June '09. Field season runs May-Oct, with 19,334m drilling completed in 2008. Total '09 exp. budget ~A\$3m, with potential for JV partner to contribute 40%, planning to drill 5,000m-7,000m (Jun-Sep) for metallurgical and geotechnical testing. There is significant resource base is 500mt. GGG indicates **historical metallurgical testwork** recoveries of 70%-90% using pressure alkaline leach. Further metallurgical and mineralogical tests began 4007, with a 2009 budget of A\$5m. Beneficiation testwork underway has potential to reduce downstream processing costs through upgrade of U<sub>3</sub>O<sub>8</sub> (e.g., from 0.04% to 0.14%) and REO. Potential production (open cut) is in the order of 3,000tpa U<sub>3</sub>O<sub>8</sub> and compares with Rossing (3,700tpa U<sub>3</sub>O<sub>8</sub>; 174kt resource (0.03% U<sub>3</sub>O<sub>8</sub>, 470mlbs). There is potential to commercialise the large NaF resource, which could have applications in dentistry, agriculture, ceramics and aluminium smelting. **Pre-Feasibility Study**: began in 4008, drawing on the historic feasibility study. Results expected in 3Q09, including mine plan (Coffey Mining) and multi-element process flow sheet (GRD Minproc, ANSTO). Environment studies are well advanced (Coffey Natural Systems, Orbicon). **Investment Comment:** GGG's focus is on advancing the Kvanefjeld project in Greenland. The resource have and ending the work receipt a be and vanceit due to evaluate in twich the valuation is the order of and the resource in the order of the production (bore to the valuation the valuation) is the order of the prote of the shave to the valua

**Investment Comment:** GGG's focus is on advancing the Kvanefjeld project in Greenland. The resource has potential to be one of the world's largest REE and uranium deposits, with huge exploration upside. A successful Pre-Feasibility Study would provide confidence in project economics, especially regarding mineralogy and metallurgical recoveries, and be a step towards potential re-rating of GGG mkt cap to over A\$500m (>U\$\$3/lb U\_3O\_8 resource) mid-term. Two share placements in 2Q09 (A\$6m @ A20-25c/share) were oversubscribed. Mineral rights are expected to transfer from the Danish Crown to Greenland as part of the self-governing transition, in Jun '09. Greenland parliamentary debate Nov '08 indicated in-principle support for uranium production as a byproduct of multi-element exploration and mining. However, the newly governing lnuit Ataqatigiit party (elections Jun '09) has an anti-uranium stance: its position on the project awaits clarification.

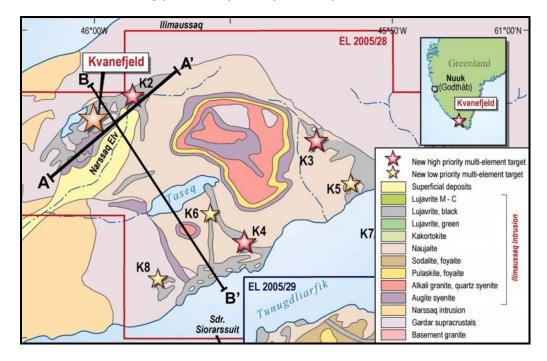
### Reserves and Resources/Mineralised Material

Code for reporting mine	eral resources - Australian:	(JORC)								
Uranium	Classification	Project	Ore	$U_3O_8$	Cut Off	$U_3O_8$	$U_3O_8$	U <sub>3</sub> O <sub>8</sub> Eqty		
U <sub>3</sub> O <sub>8</sub>		Equity	Mt	%	ppm	Kt	MIb	Mlb		
Reserves						0.0	0.0	0.0		
Resources										
Kvanefjeld	Inferred	61%	334.0	0.03	150	101.0	222.6	135.8		
<b>Mineralised Materia</b>	al (est., non compliant with JC	RC)				0.0	0.0	0.0		
Additional mineralisatio	Additional mineralisation includes REO (2.59mt contained metal @ 1.21% REO) and NaF (2.21mt contained @ 1.11% NaF).									
Key Projec	ts									

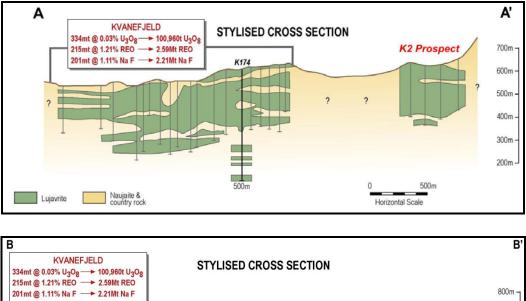
	Ownership/		JV	Target	Process	Project	
Project	Option	Metal	Partner	Туре	Route	Status	Location
(vanefjeld	61%/100%	U, REO	none	Dissem	na	Adv. Expl.	Greenland

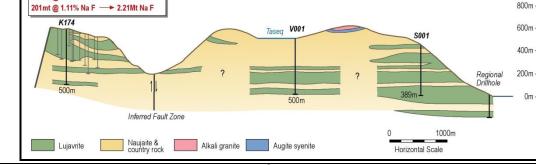
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Map of the Ilimaussaq intrusive complex showing the Kvanefjeld deposit and new multi-element targets. Current resource is 223mlbs  $U_3O_8$ , 2.6mt of rare earth oxides and 2.2mt of NaF – midterm upside >100%. PFS expected from 3Q09, including preliminary mine plan and process flow sheet.



Kvanefjevld exploration cross sections –assay results for 3Q08 holes and resource upgrade expected in 2Q09. Mineralised lujavrite is likely to continue between Kvanefjeld and K2 (top section), highlighting the resource potential. Holes V001 and S001 (lower section) also intersected mineralised lujavrite.





June Quarter 2009

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## PDN.AU

15 June 2009 Uranium Australia (WA,QLD,NT), Namibia, Malawi Producer Exchanges: ASX:PDN; TSX:PDN; NSX (Namibia):PDN

### **Capital Profile**

Share price (A\$)	5.14						
52 week range (A\$/share)	1.63	to	6.72				
Number of shares (m)	623						
Options and warrants (m)	16						
Convertible notes (m)	82						
Fully diluted (m)	722						
Market capitalisation (undiluted) (A\$m)	3204.6						
Debt* (US\$m) - June 09F	589.4						
Enterprise value (A\$m)	4097.6						
Major shareholders: CDS & Co (25.26%), HSBC Cus. Nom. Aust (12.68%)							
National Nom (7.45%), CEDE & Co (5.83%), ANZ Nom	1. (5.66%)						
Avg monthly volume (m)	132						
Cash (US\$m) - June 09F	148.4						
Price/Cash (x)	14.2						
Price/Book (x)	4.1						
Listed company options:	No						
* Tranches due 2011 and 2013.							
Investment Points							

PDN is 100% focused on uranium. Exploration budget  ${\sim}US\$13m$  expected in 2009.

Langer Heinrich 1Q09 production - 686klbs  $U_3O_{8;}$  exceeding nameplate for third consecutive quarter.

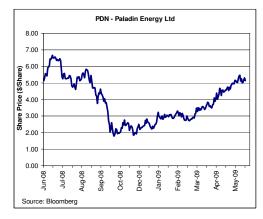
Langer Heinrich stage 2 expansion to 3.7mlbpa  $U_3O_8$ nameplate throughput expected July '09. Stage 3 expansion to 6mlbpa - decision expected 2Q09.

Kayelekera production ramp-up commenced April '09. Nameplate production expected 1Q10.

Valhalla (QLD) resource 67.5mlbs  $U_3O_8$  grading 0.087%. PFS expected June '09.

PDN holds 16.7% stake in Niger explorer NGM (May 14).

PDN has a strong resource position, a management team recognised as industry leaders, and production growth.



**Directors** 

J. Borshoff (MD)

R. Crabb (Non-Ex Chair)

S. Llewelyn (Non-Ex Dir) D. Shumka (Non-Ex Dir)

I. Noble (Non-Ex Dir)

### **Contacts**

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Analyst: John Wilson johnwilson@rcresearch.com.au

June Quarter 2009

### **Paladin Energy Ltd**

A\$ 5.14

PDN is ramping-up production at Langer Heinrich to 3.7mlbspa  $U_3O_8$  (from 2.6mlbs); and commenced production at Kayelekera April '09 (3.3mlbspa  $U_3O_8$ ). The Mt Isa PFS is expected June '09. Solid project pipeline. PDN moved to 16.7% stake in Niger explorer NGM May 14.

**Resource Capital Research** 

### **Production and Financial Forecasts**

YEAR END: June	2007a	2008a	2009F	2010F	2011F
Equity Production (kt)	54	797	1333	2458	3127
EBIT (US\$m)	-36.7	-16.7	26.1	127.4	186.6
Net Profit (norm) (US\$m)	-37.6	-36.0	10.2	95.3	154.1
EPS (norm) (US\$/share)	-0.07	-0.06	-0.01	0.15	0.24
CFPS (US\$/share)^	-0.06	-0.01	0.06	0.23	0.34
Dividends (US\$/share)	0.00	0.00	0.00	0.00	0.00
PER (x)	nmf	nmf	nmf	23	14
P/CF (x)	nmf	nmf	55	15	10
Yield (%)	0	0	0	0	0
EV/EBITDA (x)	nmf	nmf	nmf	18.1	12.3
Exploration and evaluation (US\$m)	8.6	11.7	11.6	12.0	12.0
Drilling - RAB (m)	-	-	-	-	-
Drilling - Other/Diamond (m)	17,000	100,000	100,000	50,000	0
Land holding ('000 ha)	-	-		-	-
^ EBITDA			AU/US:	0.66	

**Overview:** Paladin Energy Ltd is an Australian company listed on the ASX and TSX. It is a mid tier uranium producer with one mine in production (Namibia) and another in commissioning (Malawi). PDN holds 19.3% stake in Deep Yellow (ASX:DYL) and a 16.7% stake in NGM Resources (ASX:NGM).

**Langer Heinrich Mine:** Production in the March quarter was 686klb  $U_3O_8$  (nameplate production 650klb/q  $U_3O_8$ ). Plant recoveries 74.5% - targeting high 80's. Stage 2 expansion production ramp-up 2009; nameplate production expected from July '09 (3.7mlbspa, + 44%). PDN has sufficient power contracted from Nampower to cover the expansion and also has sufficient water. A potential Stage 3 (2010) expansion could lift production to 6mlbspa  $U_3O_8$ , though additional water supply is required. Advanced negotiations with NamWater suggest desalinated supply may be available as early as mid 2010. Exploration upside exists in the Mining Lease through infill drilling and potential for heap leach low grade processing of material between 100ppm and 250ppm  $U_3O_8$ . Containing 29.2mlbs  $U_3O_8$ . LOM opex Kayelekera: Production ramp-up commenced April '09. Nameplate production 3.3mlbpa  $U_3O_8$ , LOM opex

Kayelekera: Production ramp-up commenced April '09. Nameplate production 3.3mlbpa U<sub>3</sub>O<sub>8</sub>, LOM opex US\$25/lb, 9 yr LOM, capex US\$200m plus US\$45m working capital. On site power is provided via a 10MW diesel generator. PDN's BFS financial analysis used a uranium price of US\$60/lb and the pit was optimised using US\$30/lb U<sub>3</sub>O<sub>8</sub>.

optimised using US\$30/lb U<sub>3</sub>O<sub>8</sub>. **Angela and Pamela uranium deposits:** (NT, PDN 50%) Near Alice Springs – awarded to PDN/CCO JV Feb '08. Historic work undertaken by Uranerz between 1972 and 1983 identified historic mineralisation of 12kt to 13kt U<sub>3</sub>O<sub>8</sub> with grade thought to range from 0.10% to 0.13%. The deposits are open at depth. Work commitments include A\$5m exploration and A\$5-10m on a BFS. Development potential post 2012. Isa Uranium JV: (IUJV, QLD, PDN 90.9%). An extensive drilling program (50,000m) is underway at Valhalla and Skal (IOCGU deposits). Initial resource at Skal East 3.9mlbs U<sub>3</sub>O<sub>8</sub> at 0.045% (2Q09). The

IUJV has development potential post 2012. Areva retains its 10.46% blocking stake in SMM. **Investment Comment:** We value PDN at A\$4.00/share (long term uranium price US\$65.00/lb and 10% discount rate) with upside of ~30% if a takeover premium is factored in. The valuation is highly leveraged to the uranium price forecast and our NAV for PDN, based on RCR's mid term uranium price forecast is A\$3.18/share (10% discount rate, mid term uranium price forecasts of US\$60/lb through 4Q15, US\$35/lb long term). In our view, PDN remains a potential target, reinforced 1Q09 by Cameco raising US\$460m to add to its war chest for strategic acquisitions.

### Reserves and Resources/Mineralised Material

Code for reporting mineral reso	urces Aust/Canadian:	(JORC/NI 4	3-101)					
Uranium (U <sub>3</sub> O <sub>8</sub> )	Classification/	Project	Ore	Grade	Cut Off			Eqty
Reserves	Geology	Equity	Mt	%	(ppm)	Kt	Mlb	MIb
Langer Heinrich	Proved and Prob.	100%	50.6	0.060	250	29.9	65.8	65.8
Kayelekera	Proved and Prob.	85%	12.6	0.105	400	13.3	29.3	24.9
Sub total			50.6	0.06		43.2	95.1	90.7
Resources (includes proved	and probable reserves)							
Langer Heinrich	M.Ind.Inf/calcrete	100%	127.1	0.06	250	74.4	164.0	164.0
Kayelekera	M.Ind.Inf/sndst-rf	85%	26.1	0.08	300	19.9	43.8	37.2
Valhalla (Mt Isa Uranium)	Ind & Inf/Ir ox vein	91%	35.1	0.087	230	30.6	67.5	61.4
Skal (S+E, Mt Isa Uranium	Inf./ Iron oxide vein	91%	11.5	0.05	250	5.6	12.3	11.1
Bigrlyi	Ind. & Inf./sndst	42.1%	7.6	0.14	500	10.6	23.3	9.8
Other (6 projects)^						23.1	<u>50.8</u>	47.4
Sub total						164.2	361.8	331.0
Mineralised Material (est.	, non JORC compliant)							
Angela/Pamela	Sandstone	50%	na	.1013	na	12-13	26.4	13.2
Oobagooma	Historic/sndst.	100%	8.2	0.12	350	10.0	21.9	21.9
						22.0	48.3	35.1

^ Manyingee (24mlbs U<sub>3</sub>O<sub>8</sub>), Andersons (4.7mlbs), Watta (3.8mlbs), Bikini (11.5mlbs), Duke Batman (3.1mlbs), Honey Pot (3.96mlbs)

Key Projects

	Ownership/		JV	Plant	Process	Project	
Project	Option	Metal	Partner	(ktpa)	Route	Status	Location
Langer Heinrich	100%	U	na	1500	alk. leach	Production	Namibia
Kayelekera	85%	U	Malawi Gov.	1500	acid leach	Construction	Malawi
Mt Isa Uranium	91%	U	SMM	na	convention'l	Adv. Expl.	Aust (QLD)
Bigrlyi	42%	U,V	EME, SCX	na	convention'l	Mid Expl.	Aust (NT)
Angela and Pamela	50%	U	CCO	na	convention'l	Adv. Expl.	Aust (NT)
Manyingee	100%	U	na	na	ISR	dormant	Aust (WA)
Oobagooma	100%	U	na	na	ISR	dormant	Aust (WA)
Quarters refer to calendar y	/ear.						

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### Paladin Energy Ltd

YEAR END: June			Year		
ASSUMPTIONS	2007a	2008a	2009F	2010F	2011F
A\$/US\$ Uranium Price (US\$/lb)	0.79 82	0.90 81	0.74 51	0.73 56	0.76 61
Uranium Price Realised (US\$/lb)	0	69	52	60	64
EQUITY PRODUCTION Langer Heinrich Production (t)	54	782	1202	1568	1876
Kayelekera Production (t)	<u>0</u>	<u>0</u>	<u>111</u>	889	1251
PDN Equity Production U <sub>3</sub> O <sub>8</sub> (t) Cash Costs (US\$/Ib)	54 97.74	797 30.61	1333 21.48	2458 18.66	3127 22.46
PROFIT AND LOSS (US\$m)					
Revenues	11	102	153	299	424
Operating costs	-12	-54	-63	-101	-155
Depreciation/amortization Exploration	0 -7	-9 -13	-13 -11	-22 -11	-33 -11
Corporate	-29	-28	-36	-32	-32
Other	0	15	4	5	7
EBIT	-37	-17	26	127	187
Interest	13	28	33	32	32
Operating profit/loss Tax	-50 12	-44 7	-7 18	95 0	154 0
Minorities	0	-1	0	0	0
Net profit/loss	-38	-36	10	95	154
Net other	0	0	-475 *	0	0
Net profit/loss (reported) 'Net adjustment for abnormal impairment charge	-38	-36	-465	95	154
BALANCE SHEET (US\$m)					
Cash and deposits	183	338	148	173	357
Total current assets	233	448	251	275	459
PP&E	135	230	404	479	456
Total non-current assets Total assets	1825 2058	2115 2563	1164 1415	1251 1526	1240 1698
Total current liabilities	30	54	48	48	48
Reclamation reserves	0	0	0	0	0
Long term debt	268	572	577	584	592
Total non-current liabilities	720	1080	857	864	872
Total liabilities Equity	750 1308	1134 1429	905 510	913 613	921 778
Equity	1300	1423	510	013	110
Total debt	273	583	589	597	605
Net debt Average shares (fully diluted) (m)	90 545	245 623	441 636	424 640	248 640
Average shares (runy unuted) (m)	545	023	000	040	040
FLOW OF FUNDS (US\$m)					
EBITDA Cash flow from operating activities	-37	-8	39	150	219
Operating surplus	0	41	84	192	262
Corporate	-29	-28	-36	-32	-32
Net interest paid	-14	-25	-40	-37	-40
Net tax paid	0	0	0	0	0
Net exploration paid	-9	-12	-12 25	-12	-12
Other non cash items Net cash from operating activities	13 -39	5 -18	22	23 133	28 205
Cash flow from investing activities					
Capital expenditure	-89	-100	-182	-97	-10
Other non cash items	-33	-51	-38	-12	-12
Net cash from investing activities	-122	-151	-219	-109	-22
Cash flow from financing activities Net proceeds from issue of shares	7	11	6	0	0
Dividends paid	0	0	0	0	0
Net proceeds from borrowings	291	314	4	0	0
Net cash from financing activities	299	324	10	0	0
Net change in cash	138	155	-188	25	183
PRODUCTION STATISTICS					
Langer Heinrich					100%
Dre Treated (kt)	167	1255	1623	2180	3400
Head Grade (%) Recovery (%)	0.04 67	0.08 80	0.09 80	0.08 86	0.06 88
Recovery (%) Recovered grade (%)	0.02	0.06	0.07	0.07	0.06
$J_3O_8$ Produced (t)	40.6	782.3	1201.5	1568.1	1876.2
Equity Production (t)	41	782	1202	1568	1876
Cash Costs (US\$/lb)	49.22	35.54	24.10	16.67	20.97
Production Costs (\$/t) PDN Share EBIT (US\$m)	26.42 3	48.84 10	39.34 52	26.43 86	25.51 105
Kayelekera					85%
Nayelekera Ore Treated (kt)	0	0	150	1075	1500
Head Grade (%)	0.00	0.00	0.11	0.11	0.11
Recovery (%)	0	0	80	89	90
Recovered grade (%)	0.00	0.00	0.09	0.10	0.10
U <sub>3</sub> O <sub>8</sub> Produced (t)	0.0	0.0	130.8	1046.4	1471.5
Equity Production (t) Cash Costs (US\$/Ib)	0 0.00	0 0.00	111 16.90	889 18.84	1251 20.99
Production Costs (\$/t)	0.00	0.00	32.48	40.43	45.40

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<b>Resource Capital Research</b>	<b>(RCR</b>

			Year		
FINANCIAL RATIOS	2007a	2008a	2009F	2010F	2011F
Net debt/equity (%)	3%	8%	14%	13%	8%
Net debt/ net debt + equity (%)	3%	7%	12%	12%	7%
Current ratio (x)	7.8	8.3	5.2	5.7	9.5
EBIT/interest (x)	-3	-1	1	4	6
Debt/operating cashflow (%)	na	na	na	448%	295%
Exploration/total overhead (%)	21%	32%	23%	25%	25%
EV/EBITDA (x)	nmf	nmf	nmf	19.9	14.2
Market cap/net cash (x)	-35.5	-13.1	-7.3	-5.5	-9.8
Market cap/book (x)	2.4	2.2	6.3	3.8	3.1
FINANCIAL SENSITIVITIES					
% Change in EPS for a 10% increase	in:				
AUD/USD			0%	0%	0%
Uranium Price			0%	48%	30%
% Change in NPV for a 10% increase commodity assumptions for:	in forecas	st minelife			
	Base	+ 10%			
	US\$/sh	US\$/sh	%		
AUD/USD	2.00	2.12	-6%		
Uranium Price	2.00	2.12	6%		
VALUATION (US\$m)				Q2 09	
NPV Assumptions	(2)			Base	"What if"
NPV Assumptions Long Term Uranium Price (from 20	16)		:US\$/lb	Base 35	70
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$	16)		:US\$/lb	Base	
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects			·	Base 35 0.72	70 0.78
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III	100%	NPV@10%	•	Base 35 0.72 849.6	70 0.78 1316.9
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera		NPV@10% NPV@10%	•	Base 35 0.72	70 0.78
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources	100% 85%	NPV@10%	- 	Base 35 0.72 849.6 424.5	70 0.78 1316.9 551.8
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera	100% 85% 85%	NPV@10%	US\$6.00/lb	Base 35 0.72 849.6 424.5 62.9	70 0.78 1316.9 551.8 81.7
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee	100% 85% 85% 100%	NPV@10% 12.3 mlb 24.0 mlb	US\$6.00/lb US\$1.75/lb	Base 35 0.72 849.6 424.5 62.9 42.0	70 0.78 1316.9 551.8 81.7 54.6
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma	100% 85% 85% 100%	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3	70 0.78 1316.9 551.8 81.7 54.6 49.8
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma Isa Uranium (100%+81.9% SMM)	100% 85% 85% 100% 100% various	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb 85.2 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb US\$1.75/lb US\$5.00/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3 370.6	70 0.78 1316.9 551.8 81.7 54.6 49.8 481.8
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma Isa Uranium (100%+81.9% SMM) Angela and Pamela	100% 85% 85% 100%	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3 370.6 66.0	70 0.78 1316.9 551.8 81.7 54.6 49.8 481.8 105.6
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma Isa Uranium (100%+81.9% SMM) Angela and Pamela Other + Exploration	100% 85% 85% 100% 100% various	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb 85.2 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb US\$1.75/lb US\$5.00/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3 370.6	70 0.78 1316.9 551.8 81.7 54.6 49.8 481.8
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma Isa Uranium (100%+81.9% SMM) Angela and Pamela Other + Exploration Assets	100% 85% 85% 100% 100% various	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb 85.2 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb US\$1.75/lb US\$5.00/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3 370.6 66.0 175.0	70 0.78 1316.9 551.8 81.7 54.6 49.8 481.8 105.6 236.3
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma Isa Uranium (100%+81.9% SMM) Angela and Pamela Other + Exploration Assets Cash and deposits	100% 85% 85% 100% 100% various	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb 85.2 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb US\$1.75/lb US\$5.00/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3 370.6 66.0 175.0	70 0.78 1316.9 551.8 81.7 54.6 49.8 481.8 105.6 236.3 279.7
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma Isa Uranium (100%+81.9% SMM) Angela and Pamela Other + Exploration Assets	100% 85% 85% 100% 100% various	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb 85.2 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb US\$1.75/lb US\$5.00/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3 370.6 66.0 175.0	70 0.78 1316.9 551.8 81.7 54.6 49.8 481.8 105.6 236.3
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma Isa Uranium (100%+81.9% SMM) Angela and Pamela Other + Exploration Assets Cash and deposits Other Liabilities	100% 85% 85% 100% 100% various	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb 85.2 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb US\$1.75/lb US\$5.00/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3 370.6 66.0 175.0	70 0.78 1316.9 551.8 81.7 54.6 49.8 481.8 481.8 105.6 236.3 279.7 0.0
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma Isa Uranium (100%+81.9% SMM) Angela and Pamela Other + Exploration Assets Cash and deposits Other Liabilities Debt	100% 85% 85% 100% 100% various	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb 85.2 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb US\$1.75/lb US\$5.00/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3 370.6 66.0 175.0 148.4 0.0	70 0.78 1316.9 551.8 81.7 54.6 49.8 481.8 105.6 236.3 279.7
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma Isa Uranium (100%+81.9% SMM) Angela and Pamela Other + Exploration Assets Cash and deposits Other Liabilities	100% 85% 85% 100% 100% various	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb 85.2 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb US\$1.75/lb US\$5.00/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3 370.6 66.0 175.0 148.4 0.0 -589.4	70 0.78 1316.9 551.8 81.7 54.6 49.8 481.8 105.6 236.3 279.7 0.0 -579.3
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma Isa Uranium (100%+81.9% SMM) Angela and Pamela Other + Exploration Assets Cash and deposits Other Liabilities Debt Corporate Other liabilities Reclaimation reserve	100% 85% 85% 100% 100% various	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb 85.2 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb US\$1.75/lb US\$5.00/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3 370.6 66.0 175.0 148.4 0.0 -589.4 -109.9 -229.0 0.0	70 0.78 1316.9 551.8 81.7 54.6 49.8 481.8 105.6 236.3 279.7 0.0 -579.3 -111.5 -443.9 0.0
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma Isa Uranium (100%+81.9% SMM) Angela and Pamela Other + Exploration Assets Cash and deposits Other Liabilities Debt Corporate Other liabilities Reclaimation reserve Net Assets	100% 85% 85% 100% 100% various	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb 85.2 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb US\$1.75/lb US\$5.00/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3 370.6 66.0 175.0 148.4 0.0 -589.4 -109.9 -229.0	70 0.78 1316.9 551.8 81.7 54.6 49.8 481.8 105.6 236.3 279.7 0.0 -579.3 -111.5 -443.9
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma Isa Uranium (100%+81.9% SMM) Angela and Pamela Other + Exploration Assets Cash and deposits Other Liabilities Debt Corporate Other liabilities Reclaimation reserve Net Assets Fully Diluted Shares (m)	100% 85% 85% 100% 100% various	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb 85.2 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb US\$1.75/lb US\$5.00/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3 370.6 66.0 175.0 148.4 0.0 -589.4 -109.9 -229.0 0.0 1249 640	70 0.78 1316.9 551.8 81.7 54.6 49.8 481.8 105.6 236.3 279.7 0.0 -579.3 -111.5 -443.9 0.0 2024 <u>640</u>
NPV Assumptions Long Term Uranium Price (from 20 A\$/US\$ Projects Langer Heirich phase I,II&III Kayelekera Resources Kayelekera Manyingee Oobagooma Isa Uranium (100%+81.9% SMM) Angela and Pamela Other + Exploration Assets Cash and deposits Other Liabilities Debt Corporate Other liabilities Reclaimation reserve Net Assets Fully Diluted Shares (m) Net NPV/share (US\$/share)	100% 85% 85% 100% 100% various	NPV@10% 12.3 mlb 24.0 mlb 21.9 mlb 85.2 mlb	US\$6.00/lb US\$1.75/lb US\$1.75/lb US\$1.75/lb US\$5.00/lb	Base 35 0.72 849.6 424.5 62.9 42.0 38.3 370.6 66.0 175.0 148.4 0.0 -589.4 -109.9 -229.0 0.0 1249 <u>640</u> 2.00	70 0.78 1316.9 551.8 81.7 54.6 49.8 481.8 105.6 236.3 279.7 0.0 -579.3 -111.5 -443.9 0.0 2024 640 0.0 2024
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<b>DIRECTOR'S INTERES</b>	Shar	es	
		(m shares)	%
Mr. John Borshoff	Managing Director	21.5	3.4%

June Quarter 2009

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## TOE.A

15 June 2009 Uranium Australia (WA,NT,SA), Namibia Advanced Exploration/Resource Definition/PFS Exchanges: ASX:TOE

### **Capital Profile**

Share price (A\$)	0.26						
52 week range (A\$/share)	0.09 to	0.32					
Number of shares (m)	556						
Options and warrants (m)	15						
Convertible notes (m)	0						
Fully diluted (m)	571						
Market capitalisation (undiluted) (A\$m)	141.7						
Debt (A\$m) - Jun 09F	0.0						
Enterprise value (A\$m)	141.7						
Major shareholders: OZ Minerals Ltd (51.7%), ANZ Nominees (5.0%) Allarrow Pty Ltd (1.8%)							
Avg monthly volume (m)	54						
Cash (A\$m) - Jun 09F	8.3						
Price/Cash (x)	17.1						
Price/Book (x)	1.0						
Listed company options:	No						

### **Investment Points**

100% uranium focus. Expl. + eval. budget A\$8m pa, cash A\$10m. Potential production 2012 (2 projects).

Most advanced is Wiluna project (WA) - 24mlb JORC resource (target 28mlb) - PFS completed.

Critical Wiluna optimisation study (due 3Q09) for enhanced economics, BFS to start 4Q09.

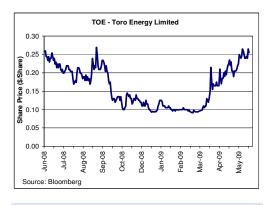
Recent Wiluna resource upgrades very positive. Lake Way grade +34% to 543ppm, C'pede +26% to 553ppm.

Overall grades up by 31% to 548ppm for 24.4mlb U3O8 (up from 23.9mlb), grades exceed +20% target.

Napperby, NT. JORC resource 7.4mlb, on track for 13mlb. Scoping study complete early 3Q09.

Deep yellow JV (Namibia) will bring focus to highly prospective palaeochannel exploration projects.

Near term target is A\$0.41/share based on recent Wiluna grade increases and positive (3Q09) optimisation study results.



### Contacts

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Directors

J. Sells (Non Exec Dir) M.Myers (Non Exec Dir)

June Quarter 2009

### **Toro Energy Limited**

A\$ 0.26

With each 10% increase in grades for TOE's flagship Wiluna (WA) calcrete project equating to +10cents/share added value, the better than expected recent Wiluna resource upgrade (grades +31%) has boosted our near term target price to ~40cents/share.

**Resource Capital Research** 

### Production and Financial Forecasts

YEAR END: June	Mar-09a	Jun-09F	2008a	2009F	2010F
Exploration and evaluation (A\$m)	1.06	2.20	6.32	7.37	7.50
Corporate (A\$m)	0.51	0.60	2.50	2.46	2.40
Exploration/(Expl.+ Corporate) (%)	68	79	72	75	76
Funding duration at current burn (years)	7.0	3.0	1.5	0.8	0.5
Shares on issue (pr end) (m shares)	555.8	555.8	494.7	555.8	605.8
Drilling - RAB (m)	2,500	2,500	21,500	12,500	10,000
Drilling - Other/Diamond (m)	2,500	3,500	12,500	19,500	15,500
Land holding ('000 ha)*	3,274	3,274	3,274	3,274	3,274
Tenement costs (\$k per year)	-	-	-	-	-
Capital raisings (A\$m)**	0.0	0.0	0.0	12.2	6.0
Funding from JV partners (A\$m)	0	0	0	0	0
Cash (A\$m)	11.0	8.3	13.4	8.3	4.7
Cash backing (Ac/share)	2.0	1.5	2.7	1.5	0.8
Net asset backing (Ac/share)	26.1	26.1	26.9	26.1	24.6
*Uranium prospective tenements only, both hel	** Nominal A\$6m capi	tal raising assum	ed FY10		

### **Company Comment**

Overview: TOE listed on the ASX in March 2006 and is the pacesetter in advancing calcrete style uranium projects in Australia, with Wiluna at PFS stage and Napperby undergoing scoping study Wiluna Uranium (WA): Lake Way and Centipede uranium deposits TOE's most advanced project. Wiluna PFS: The GRD Minproc PFS was released in Sep '08. and reviewed in our 4Q08 Report. The milestone for 10E and its share price. Resource Upgrades: Recently announced Centipede resource upgrade from 438ppm to 553ppm (+26%) and Lake Way increase from 404ppm to 534ppm (+34%) gives a 31% increase in overall average grade (from 419ppm to 548 ppm) at unchanged 200ppm cut off, and total contained U<sub>3</sub>O<sub>8</sub> up 2% to 24.4mlb. This is very positive, exceeds OS targets and is a big confidence boost to surpassing OS NPV target and improved economics, to underprin BFS which will to follow OS. Lake Maitland ("LM") Transaction: Previously reported (1Q09 RCR TOE report). Analagous calcrete resource to Wiluna, scoping study stage. Values LM resource at US\$6-8/lb (subject to c/off grade).

resource to Willina, scoping study stage. Values LM resource at US\$6-8/Jb (subject to C/off grade). **Napperby Project (NT):** 150km NW Alice Springs, resource drilling on-going. TOE recently announced >100% increase of the JORC inferred resource to 7.4mlb U<sub>3</sub>O<sub>8</sub> (359ppm grade) over ~50% of a total 14km strike. On track to confirm 13.2mlb non JORC historic resource (Uranerz). Calcrete hosted deposit is near surface (<8m depth), easily mined, low strip ratio. We expect release of the milestone Napperby scoping study due early 3C09. Option payment to DYL (min A\$57m cash/shares) is a challenge. **Other Exploration:** Extensive greenfields/brownfields U exploration portfolio (budget A\$2mpa). Priorities are Lake MacKay (WA) unexplored, palaeochannel and IOCC potential (initial reconnaissance soil and cravity, program). Humpatae (NT) candotone and uncorformity. Padium Hill (SA) palaeochannel

gravity program), **Iwupataka** (NT) sandstone and unconformity, **Radium Hill** (SA), palaeochannel targets. TOE has withdrawn from **Warrior** project in SA. **Namibia** – TOE has recently entered into JV with Deep Yellow (ASX:DYL) for its 3 Namibian tenements around DYL's Tumas-Tubas project (DYL: >100mlb resource likely). DYL is running intensive exploration programs in this area (7 rigs). DYL must spend A\$3.5m over 30 months to earn 65%, TOE will reduce to 25%, but JV will activate very prospective tenements based on DYL palaeochannel/alaskite exploration success.

Investment Comment: TOE's considerable pedigree of uranium management experience will be crucial to bring Wiluna and Napperby into production in 2012/2013. TOE shares have finally reacted to bullish to bring Willuna and Napperoy into production in 2012/2013. TOE shares have initially reacted to oblinstrip Lake Maitland transaction and recent very positive Willuna grade increases. Each +10% in Willuna grades lifts share value by ~10cents. Market was factoring in +10% to +20% grades, actual is +31%. With reasonable expectation that 3Q09 Willuna optimisation study will achieve other TOE targets, we expect a near term share price ~A\$0.40, based on a 30% pre-BFS discount to our assessed Willuna project NPV.

#### Reserves and Resources/Mineralised Material Code for reporting mineral resources - Australian (JORC $U_3O_8$ Classification Cut Off Uranium Project Ore U<sub>3</sub>O<sub>8</sub> Eqty Kt MIb U<sub>3</sub>O<sub>8</sub> Equity Mt Mlb % ppm 0.0 Reserve 0.0 0.0 Resources Wiluna: L. Way & C'pede Meas Ind & Inf. 100% 20.2 0.055 200 11.1 24 4 24.4 0/100% 7.4 Napperby Inferred 9.34 0.036 200 3.35 7.4 Total Resources 14.42 31.8 31.8 Mineralised Material (est., non compliant with JORC, inclusive of the Napperby Inferred Resource) Napperby Historic 0/100% 0.037 6.0 13.2 13.2 Total Mineralised (non JORC) 0.0 13.2 0.0

### Key Projects

	Ownership/		JV /	Target	Process	Project	
Project	Option	Metal	Partner	Туре	Route	Status	Location
Wiluna	100%	U	none	Calcrete	Alk. Leach	PFS	Aus (WA)
Napperby	0/100%	U	DYL	Calcrete	Alk h/leach	Scoping	Aus (NT)
Namibia	100%/25%	U	DYL	Calc/Alask	na	Early Expl.	Namibia
Lake Mackay	100%	U	none	Unc+S'stone	na	Early Expl.	Aus (WA)
Radium Hill	100%	U	none	Palaeochannel	na	Early Expl.	Aus (SA)
Mount Woods	100% U rights	U	OZL/MNT	IOCG	na	Early Expl.	Aus (SA)

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The table below summarises key project improvements targeted in Toro's current optimisation study on the flagship Wiluna calcrete project (completion 3Q09) Above-target resource grade increases already achieved are the primary value drivers which will underpin the BFS and a planned startup in 2012/2013.

	Prefeasibility Range	Optimisation Work	Targeted Improvement	Status
Head Grade	472-503ррт	Close spaced Sonic drilling	+20%	+31%
Capital Cost	A\$195-A\$247m	Met testing, water quality	-10%	pending
Operating Cost	US\$39-\$41/Ib	Grade/ Recovery	-US\$6/Ib	pending
Recovery	70%-83%	Column/leach testing	+2% to +5%	pending
NPV	\$74 <b>-</b> \$78m		A\$165m	pending

Our TOE valuation is dominated by the Wiluna NPV. The Target Price (A\$0.41/share) is based on improved grades announced, and other optimisation study targets. The sensitivity analysis shows each +10% in grades (~50ppm) is worth ~10 cents per share, hence the resource grade increases are very good news.

		Uranium				Valuati	on Range
	Reso	urce/Minerali	isation	Targ	et Price	(Low)	(High)
		mlbs	US\$/lb	<u>A\$m</u>	A\$/Share	A\$m	A\$m
rojects							
+ Wiluna (PFS stage development project, potential u		24.4	5.75	180	0.32	130	220
+ Napperby Option, net of DYL option payment (adva + Warrior - (Project relinquished)	• • • • •	13.0	0.9	15 -	0.03	5	15 -
+ Namibia (DYL JV - strategic tenements in DYL pala	eochannel system)			15	0.03	10	15
+ Basement projects (SA, uranium rights to OZL's IC				10	0.02	5	10
+ Other Australia - WA, NT and SA (grass roots, requ	uires targeting work)			<u>5</u>	<u>0.01</u>	<u>2</u>	<u>5</u>
Sub Total				225	0.40	152	265
+ Cash (Jun 09)				8	0.01	8	8
+ Tax Losses				3	0.00	3	3
- Corporate				10	0.02	10	10
Sub Total				0	0.00	0	0
OE NET ASSET VALUE				225	0.41	152	265
Capital Structure				555.8		555.8	555.8
Shares (Jun '09) Fully Diluted Shares				555.6 571.3		555.6 571.3	571.3
Fully Diluted Shares				571.5		571.5	571.3
OE NET ASSET VALUE PER SHARE :A\$/share	3			0.41		0.27	0.48
OE NET ASSET VALUE DILUTED :A\$/share	e fully diluted			0.41		0.28	0.48
** High valuation assumes further improvements in grades Modelling is based on project NPV's for Wiluna discounted	by 30% to allow for pre-BFS status.		les (.lun '09	) and op	timisation s	study tar	gets
WILUNA URANIUM PROJECT NPV @5% no	minal - based on Wiluna resou	rce upgrad					
WILUNA URANIUM PROJECT NPV @5% no	ominal - based on Wiluna resou <u>Equity</u>	rce upgrac		<u>-</u>	IPV Sensitivit	Y	
VILUNA URANIUM PROJECT NPV @5% no		rce upgrac		<u>•</u> <u>•</u> 40	IPV Sensitivit 60	<u>Y</u> 80	100
	<u>Equity</u>	rce upgrac				_	
LONG TERM URANIUM PRICE^ LONG TERM EXCHANGE RATE NPV @ 10% NOMINAL**	Equity :US\$//b	rce upgrac		40	60	80	<b>100</b> 0.78
LONG TERM URANIUM PRICE^ LONG TERM EXCHANGE RATE NPV @ 10% NOMINAL** Base Case (includes grade upgrades Jun '09)	Equity :US\$//b	rce upgrad		40	60	80	
LONG TERM URANIUM PRICE^ LONG TERM EXCHANGE RATE NPV @ 10% NOMINAL**	<u>Equity</u> :US\$/lb :AU/US	rce upgrad		<b>40</b> 0.78	<b>60</b> 0.78	<b>80</b> 0.78	0.78
LONG TERM URANIUM PRICE <sup>^</sup> LONG TERM EXCHANGE RATE NPV @ 10% NOMINAL** Base Case (includes grade upgrades Jun '09)	Equity :US\$/lb :AU/US :A\$m 100% :A\$m 100%	rce upgrad		<b>40</b> 0.78 8	<b>60</b> 0.78 124	<b>80</b> 0.78 236	0.78

**Resource Capital Research** 

A\$ 0.48

**UNX.AU** 

15 June 2009 Uranium Tanzania, Australia (NT, WA) Advanced Exploration/PFS Exchanges: ASX:UNX

### **Capital Profile**

Share price (A\$)	0.48		
52 week range (A\$/share)	0.11	to	0.52
Number of shares (m)	83.5		
Options and warrants (m)	5.8		
Partly paid shares (m)	5.6		
Fully diluted (m)	94.9		
Market capitalisation (undiluted) (A\$m)	39.6		
Debt (A\$m) - June 09F	0.0		
Enterprise value (A\$m)	39.6		
Major shareholders: IMX Resources NL (39.5%),			
HSBC Custody Nominees (4.8%), Geigor Counter (4.2	9%)		
Avg monthly volume (m)	5		
Cash (A\$m) - June 09F	4.0		
Price/Cash (x)	9.9		
Price/Book (x)	4.1		
Listed company options:	No		

### **Investment Points**

#### 2009 exploration budget ~\$4m - 100% uranium focus.

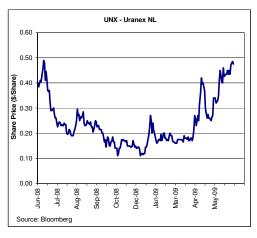
Key near term focus is Manyoni. Economics enhanced by good regional infrastructure and at, or near, surface mineralisation (<10m). PFS expected 4Q09. BFS 2H10.

Manyoni: Playa deposits (A,C,E) - JORC resource 15.3mlbs U<sub>3</sub>O<sub>8</sub> @ 0.015%. Further resource statements expected 2H09 (D,F). High potential for new discovery

Thatcher Soak JORC 14mlbs grading 0.022% U<sub>3</sub>O<sub>8</sub> (100ppm cut-off). SS expected 2Q09. BFS 2011.

Mkuju - 3 extensive trends with confirmed mineralisation. Potential for early discovery - adjacent to IDG/Sterling's Mtonya prospect.

Drilling diary 2Q-3Q09: Manyoni (5,500m), Mkuju (5,000m) and Bremer (1,000m). Mkuju results from 4Q08 (6,502m) drilling expected 2Q09



**Directors** 

T Ward (Chairman)

A Daley (Non-Exec Dir)

R Udovenya (Non-Ex Dir) B Manzi (Non-Ex Dir)

J Cottle (MD)

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June Quarter 2009

### Uranex NL

Tanzanian projects expected to accelerate 2Q09 with new sonic rig and end of wet season. UNX has a portfolio of attractive exploration targets and two prospective development projects. Manyoni resource upgrade expected 2H09. Thatcher Soak (WA) scoping study expected 2Q09.

### Production and Financial Forecasts

YEAR END: June	Mar-09a	June-09F	2008a	2009F	2010F
Exploration and evaluation (A\$m)	1.34	1.00	4.52	4.73	2.00
Corporate (A\$m)	0.16	0.50	2.53	2.07	2.00
Exploration/(Expl.+ Corporate) (%)	89	67	64	70	50
Funding duration at current burn (years)			1.6	0.6	0.8
Shares on issue (pr end) (m shares)	83.5	83.5	83.5	83.5	103.5
Drilling - RAB (m)	1,500	2,000	16,088	10,379	10,000
Drilling - Other/Diamond (m)	0	6,500	0	13,002	12,000
Land holding ('000 ha)*	3,390	3,390	3,390	3,390	3,390
Tenement costs (\$k per year)	-		-	-	-
Capital Raisings (A\$m)	0.0	0.0	0.0	0.0	3.0
Funding from JV partners (A\$m)	0	0	0	0	0
Cash (A\$m)	5.4	4.0	11.0	4.0	3.4
Cash backing (Ac/share)	6.5	4.8	13.2	4.8	3.2
Net asset backing (Ac/share)	12.0	11.6	13.3	11.6	10.6
*Uranium tenements applied for or granted.	Quarters refe	r to calendar year.			

### **Company Comment**

Overview: Uranex listed on the ASX Oct '05 as a spin off from Goldstream Mining (ASX:GDM, renamed

Overview: Uranex listed on the ASX Oct '05 as a spin off from Goldstream Mining (ASX:GDM, renamed IMX Resources; ASX:IXR) which holds a 39.5% interest. IMX has substantial global exploration interests and has Anglo American as its major shareholder. UNX is focused on uranium, pursuing unconformity style targets in Australia (NT), and calcrete and sandstone palaeochannel targets in Tanzania and WA. **Tanzanian projects:** (30,100km<sup>2</sup>) **Manyoni** (4,600km<sup>2</sup>, previously named Bahi) tenements cover an extensive closed drainage system and include 5 proximal large playa deposit systems. Potential for proximate (~10km) multiple satellites, from shallow deposits (3-8m) with low cost, free dig mining and centralised processing. Mineralisation occurs as a surficial schrockingerite zone 1m thick underlain by carnotite to 5m to 10m depth. **Manyoni** (C1,A,E) – C1 resource is the highest grade and largest of the 3 playa derocit resources a noncert to the a (a 6 mb eat 0,6 mb eat 0,0 mb eat playa deposit resources announced to date (8.6mlbs at 0.016% U<sub>3</sub>O<sub>8</sub>) and would be the initial production focus. Anticipated resource statements 2Q09 are likely to include infill drill results at playa deposits A,C and E and initial resources at D and F. GRD Minproc for PFS metallurgical/plant work. Production potential 2011. Mkuju (8,000km<sup>2</sup>) shares characteristics with the nearby Kayelekera (PDN, 44mlbs grading 0.08%  $U_{2}Q_{2}$ ) sandstone hosted deposit. Uranium mineralisation is confirmed and radiometric anomalies identified  $U_3O_8$ ) sandstone hosted deposit. Uranium mineralisation is confirmed and radiometric anomalies identified over a large 16km x 2km trend. Trenching (60 pits) and auger drilling (70 holes) completed 4Q07. Mantra (ASX:MRU) has had strong results at Mkuju, driving its market cap to ~\$350m (UNX market cap ~\$45m). IDG (nee WMT) is also active in the region. Results suggest a potential anomalous trend 6km by 1km. **Thatcher Soak (WA):** (Surficial calcrete). Two separate mineralised zones extend over a combined strike length of 7.7km with widths of 0.2km to 1km and thickness of 1m to 6m to ~ 20m in depth. The initial JORC resource of 14mlbs grades 0.022% U<sub>3</sub>O<sub>8</sub> (100ppm) cut-off) or 11mlbs grading 0.029% U<sub>3</sub>O<sub>8</sub> (150ppm) cutoff Lengtra Miner (ASX:KM) holds the other significant perting of the deposite initial IORC resource).

resource of 14mips grades 0.022%  $0_30_6$  (100ppm cut-off) of 11mips grading 0.022%  $0_30_6$  (150ppm) cutoff. Eleckra Mines (ASX:EKM) holds the other significant portion of the deposit - initial JORC resource (Sep '08) 6.2mlbs  $U_3O_6$  (100ppm cut-off) or 4.5mlbs  $U_3O_6$  (150ppm cut-off). The combined UNX/EKM resource is ~20mlbs  $U_3O_6$  (100ppm cut-off). There is potential tonnage upside at Dog-leg – a 2km by 400m target adjacent to the current resource and regional exploration upside.

Investment Comment: UNX is positioned to advance 2 near surface projects (Thatcher Soak and Manyoni) to development stage – valuation will be strongly influenced by ability to secure long term offtake agreements and attract strategic partners. Mega Uranium's Lake Maitland deal (WA, inferred resource 23.7mlbs  $U_3O_8$  @ 0.03%) was priced at US\$5.90/lb 1Q09 and confirms the potential of smaller/mid size projects to attract strategic investment. Manyoni has solid prospects for exploration upside (grade and tonnage) with potential to high grade the deposit (0.022% U<sub>3</sub>O<sub>8</sub>). Based on Manyoni alone, UNX's adjusted EV/resource looks lowly valued at US\$2.25/lb; including Thatcher Soak it is US\$1.00/lb. Near term valuation is expected to be driven by Manyoni resource upgrade/PFS, with potential for exploration discovery at Mkuju, Bremer (WA) and Bynoe/Alligator Rivers (NT).

### Reserves and Resources/Mineralised Material

Code for reporting mineral re	esources - Australian:	(JORC)						
Uranium	Classification	Project	Ore	U₃O <sub>8</sub>	Cut Off	U₃O <sub>8</sub>	U₃O <sub>8</sub> L	J <sub>3</sub> O <sub>8</sub> Eqty
U <sub>3</sub> O <sub>8</sub>		Equity	Mt	%	ppm	Kt	MIb	Mlb
Reserves						0.0	0.0	0.0
Resources								
Thatcher Soak	Inferred	100%	28	0.022	100	6.3	14.0	14.0
(Thatcher - high grade	Inferred	100%	17	0.029	150	4.9	11.0	11.0)
Manyoni (Playa C1)	Inferred	100%	24	0.016	100	3.9	8.6	8.6
Manyoni (Playa A)	Inferred	100%	10	0.015	100	1.5	3.3	3.3
Manyoni (Playa E)	Inferred	100%	12	0.013	100	1.5	3.4	3.4
Sub Total - Manyoni			46	0.015	100	6.9	15.3	15.3
(Manyoni high grade	Inferred	100%	14	0.022	150	3.1	6.7	6.7)
						13.2	29.3	29.3
Mineralised Material (e	est., non compliant with JORC	C)				0.0	0.0	0.0

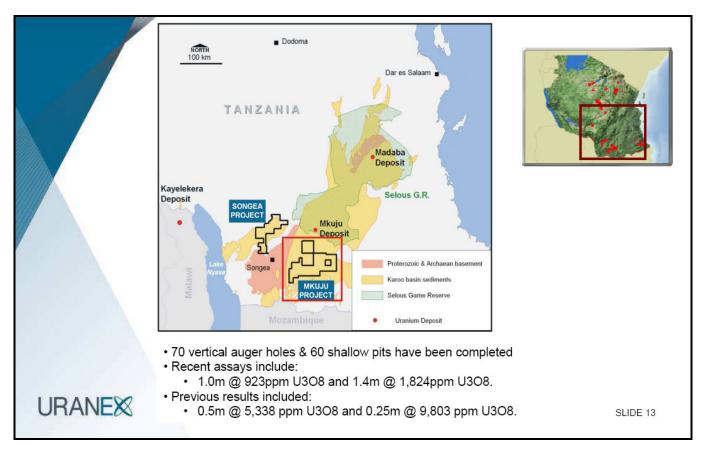
Mineralised Material (est., non compliant with JORC)

### **Key Projects**

Ownership/		JV	Target	Process	Project	
Option	Metal	Partner	Туре	Route	Status	Location
100%	U	none	Calcrete	na	Adv. Expl.	Tanzania
100%	U	none	Calcrete	na	Adv. Expl.	Aus (WA
100%	U	none	Sandstone	na	Mid Expl.	Tanzania
100%	U	none*	Unconformity	na	Early Expl.	Aus (NT)
100%	U	none	Lignite	na	Early Expl.	Aus (WA
	Option 100% 100% 100% 100%	Option         Metal           100%         U           100%         U           100%         U           100%         U           100%         U	Option         Metal         Partner           100%         U         none           100%         U         none           100%         U         none           100%         U         none           100%         U         none	Option         Metal         Partner         Type           100%         U         none         Calcrete           100%         U         none         Calcrete           100%         U         none         Sandstone           100%         U         none         Sandstone           100%         U         none*         Unconformity	Option         Metal         Partner         Type         Route           100%         U         none         Calcrete         na           100%         U         none         Calcrete         na           100%         U         none         Calcrete         na           100%         U         none         Sandstone         na           100%         U         none*         Unconformity         na	Option         Metal         Partner         Type         Route         Status           100%         U         none         Calcrete         na         Adv. Expl.           100%         U         none         Calcrete         na         Adv. Expl.           100%         U         none         Calcrete         na         Adv. Expl.           100%         U         none         Sandstone         na         Mid Expl.           100%         U         none*         Unconformity         na         Early Expl.

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Mukuju (Tanzania): Highly prospective Karoo Basin sediments – target deposits >10kt U<sub>3</sub>O<sub>8</sub>. Radiometric anomalies over large 16km x 2km trend - confirmed mineralisation including 1.4m @ 0.18% U<sub>3</sub>O<sub>8</sub>. Adjacent to Mtonya (ASX:IDG) and also near Mantra's (ASX:MRU) Mkuju deposit.



### Uranex work schedule 2009. Pre-feasibility study expected at Manyoni 4Q09 and resource upgrade 2H09 potential for fast track development. Thatcher Soak scoping study expected 2Q09. Exploration drilling at Bremer and Mkuju 4Q08-1Q09 - results expected 2Q09.

	1st Half 2009	2nd Half 2009	1st Half 2010	2nd Half 2010
Manyoni	Resource Upgrade & Commence Pre- Feasibility Study	Resource Upgrade & Complete Pre-Feasibility	Resource Upgrade & Commence Bankable Feasibility ("BFS")	Complete ("BFS")
Mkuju	Drilling & Analysis	Initial Resource Estimation	Resource Upgrade & Commence Scoping Study	Initial JORC Resource & Scoping Study
Bahi Region	Further Regional Exploration & Resource Estimation	Further Regional Exploration & Resource Estimation	Further Regional Exploration & Resource Estimation	JORC Resource Upgrade
Thatcher Soak	Scoping Study Analysis	Commence Pre-Feasibility Study	Resource Upgrade Complete Pre-Feasibility Study	Commence BFS
Pipeline Projects	Bremer Basin RC-drilling	Tanz/Aust Regional Exploration	Tanz/Aust Regional Exploration	Tanz/Aust Regional Exploration

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## **Report Contributors**

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Tony Parry: Tony has extensive experience in metallurgical process development, (working with MIM Limited for five years) and in mining equity research, equity sales and mining corporate finance (working in London for five years and subsequently Perth). He was a founding Director and CEO of an ASX listed exploration company and has been engaged extensively as a strategic planning consultant to many small-medium enterprises. Tony's qualifications include a BSc (Hons) in Metallurgy and a PhD in Metallurgy from the University of NSW.

Trent Allen: Trent has a BSc (Hons) and a PhD from the University of Sydney, specialising in the petrology, trace-element geochemistry and economic geology of alkaline igneous rocks. His Australian mining industry experience includes several years with Newcrest's Cadia Valley gold/copper mines, where he was engaged in resource definition and geotechnical engineering. Trent has also worked as an exploration consultant, university lecturer in geology and civil engineering, and as a newspaper editor with Fairfax in Sydney.

### **Disclosure and Disclaimer**

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