**ASX Announcement** 

**ASX Code: DYL** 

13 July 2010

# Deep Yellow Returns Positive Results from Start of 2010 Drill Programme at Mount Isa

#### **HIGHLIGHTS**

- Shallow RC drilling returns solid results from surface at Miranda:
  - o Hole MRRC020 22 metres at 647 ppm U<sub>3</sub>O<sub>8</sub> from surface
  - o Hole MRRC022 23 metres at 352 ppm U₃O<sub>8</sub> from 2 metres
  - Hole MRRC023 21 metres at 489 ppm U<sub>3</sub>O<sub>8</sub> from 2 metres
  - Hole MRRC026 15 metres at 408 ppm U<sub>3</sub>O<sub>8</sub> from surface
- Follow-up drilling returns high grade intercepts at three Isa West prospects:

#### **Eldorado North**

- Hole ENRC013 25 metres at 479 ppm U<sub>3</sub>O<sub>8</sub> from 139 metres
- Hole ENRC014 4 metres at 1,134 ppm U<sub>3</sub>O<sub>8</sub> from 122 metres

#### **Never-Can-Tell**

- Hole NCRC004 10 metres at 693 ppm U<sub>3</sub>O<sub>8</sub> from 71 metres
- Hole NCRC006 8 metres at 836 ppm U<sub>3</sub>O<sub>8</sub> from 78 metres

#### Citation

- o Hole CIRC005 16 metres at 564 ppm U<sub>3</sub>O<sub>8</sub> from 58 metres
- Hole CIRC007 16 metres at 652 ppm U<sub>3</sub>O<sub>8</sub> from 54 metres
- Hole CIRC010 11 metres at 543 ppm U<sub>3</sub>O<sub>8</sub> from 65 metres
- Hole CIRC011 12 metres at 421 ppm U<sub>3</sub>O<sub>8</sub> from 144 metres

#### **2010 EXPLORATION PROGRAMME**

**Deep Yellow Limited (ASX: DYL)** is pleased to announce it has kicked off its 2010 drilling programme in the Mount Isa district in May and has returned a number of **high-grade intercepts** at its 100% owned Miranda prospect and three other prospects at Isa West.

DYL's 2009 Mount Isa drilling program outlined Indicated and Inferred Mineral Resources\* in accordance with the JORC Code of >400 ppm U<sub>3</sub>O<sub>8</sub> from surface to approximately 200 metre vertical depth at several prospects. Following on this success, the 2010 drilling programme will aim to fast-track drill several new prospect areas with surface radiometric anomalies and to test a number of previously drilled prospects up to 400 metres vertical depth to determine the potential for continuity of mineralisation at depth. The overall strategy is to assess the potential of the Mount Isa prospects to increase total uranium resources.

\* 3.64 million tonnes at 420 ppm U<sub>3</sub>O<sub>8</sub> for 1,540 tonnes (3.4 Mlbs) U<sub>3</sub>O<sub>8</sub> as announced 14 January 2010 and as given in full in Appendix 1.



Select high-grade intercepts from the start of the 2010 drilling programme are presented in Tables 1 and 2 below with a full listing of results given in Appendix 2.

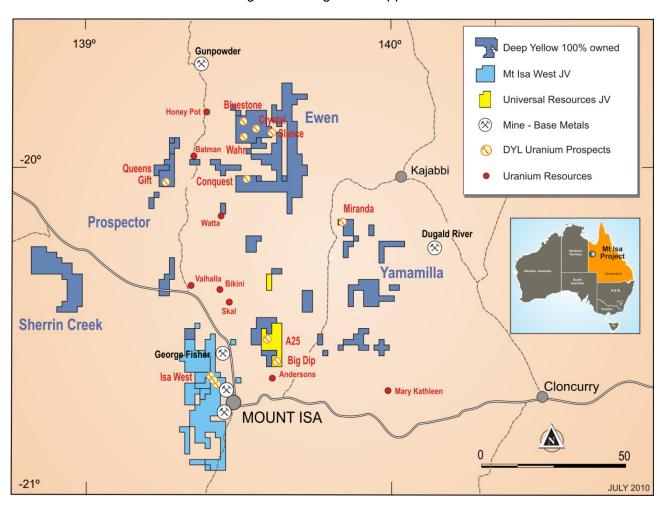


Figure 1: Mount Isa Tenements

### Miranda Drilling Programme

An RC drilling programme totalling 1,470 metres in 23 holes was completed at the Miranda Prospect within EPM 14281. Table 1 lists the intercepts from this drilling programme.

The drilling has outlined a 120 metre x 75 metre flat-lying mineralised zone of limited surface extent. Typically the mineralisation thinned at the edges and pinched out at about 50 metres true vertical depth. Mineralisation potential is interpreted as open to the south-west. No further drilling is planned at the Miranda Prospect area until the programme has been reviewed in detail and the recently acquired aeromagnetic data covering the south-west extension area are interpreted.



Table 1: Miranda Project - Selected RC Drilling Results # XRF Chemical analysis

Drillhole	MGA Z	one 54	Azi	Din	TD	Dept	h (m)	Interval	U3 <b>O</b> 8
Dillillole	mE	mN	AZI	Dip	(m)	From	То	(m)	(ppm)
MRRC020	379845	7769034	45	-60	72	0	22	22	647
					incl	3	8	5	1,407
						19	22	3	1,355
MRRC021	379841	7769040	45	-60	60	30	34	4	1,069
MRRC022	379870	7769068	225	-60	60	2	38	36	270
						2	25	23	352
MRRC023	379855	7769084	45	-60	60	2	23	21	489
					incl	2	8	6	648
						15	22	7	806
MRRC024	379841	7769099	45	-60	54	4	16	13	231
					incl	12	15	3	368
MRRC026	379801	7769133	45	-60	54	0	15	15	408

<sup>#</sup> A full listing of drill holes and results is given in Appendix 2

#### **Isa West Drilling Programme**

The recently completed RC drilling programme at Isa West totalling 17 holes for 2,360 metres successfully extended the higher grade Eldorado North Prospect from approximately 50 metres vertical depth to 120 metres vertical depth. At the Citation and Never-Can-Tell Prospects infill drilling on shallow 2008 intercepts confirmed both strike extensions to the original drill intercepts and continuity of mineralisation to depth. These prospects will now form part of a future resource drill out programme.

RC pre-collars for the deep diamond core holes at the Thanksgiving and Bambino Prospect were also completed with core drilling planned to commence in the September quarter.

Field mapping of the extensive 'un-drilled' northern tenement area at Isa West is approximately 75% complete. Data from a heliborne aeromagnetic/radiometric survey over the same area has been received and is being processed with a view to generating additional drill targets.



Table 2: Isa West - Select RC Percussion Intercepts #

Drillhole	MGA	Zone 54	Azi	Dip	TD	Dept	h (m)	Interval	U3O8
Dillinole	mE	mN	AZI	ыþ	(m)	From	То	(m)	(ppm) ‡
Eldorado No	rth Prospec	;t							
ENRC013	337444	7710519	75	-60	186	139	164	25	479
					inc	152	158	6	1,039
ENRC014	337459	7710470	75	-60	150	122	126	4	1,134
Never-Can-T	ell Prospec	t							
NCRC004	336881	7714488	90	-60	150	71	81	10	693
NCRC006	336882	7714512	90	-60	180	78	85	8	836
Citation Pros	spect								
CIRC005	336557	7713264	45	-60	168	58	74	16	564
						60	64	4	1,622
CIRC007	336574	7713252	45	-60	180	55	71	16	652
CIRC010	336536	7713289	45	-60	174	65	76	11	543
CIRC011	336492	7713209	45	-60	180	144	156	12	421

<sup>#</sup> A full listing of drill holes and results is given in Appendix 2.

Drilling will continue in accordance with the strategy described above.

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Further information relating to the Company and its various exploration projects can be found on the Company's website at <a href="https://www.deepyellow.com.au">www.deepyellow.com.au</a>.

<sup>‡</sup> U3O8 – XRF chemical assays.



#### **Compliance Statement**

The information in this report that relates to Exploration Results, Mineral Resources or Ore Reserves is based on information compiled by Mr Martin Kavanagh, a Fellow of The Australasian Institute of Mining and Metallurgy. Mr Kavanagh is an Executive Director of Deep Yellow Limited and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr Kavanagh consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Where eU<sub>3</sub>O<sub>8</sub> values are reported it relates to values attained from radiometrically logging boreholes with Auslog equipment using an A675 slimline gamma ray tool. All probes are calibrated either at the Pelindaba Calibration facility in South Africa or at the Adelaide Calibration facility in South Australia.

Deep Yellow Limited is an Australian-based uranium focused exploration company with advanced exploration projects in Namibia and in Australia.

In Namibia the Company operates through its wholly-owned subsidiary Reptile Uranium Namibia P/L which is focusing on its mid to high grade INCA primary uraniferous magnetite and secondary Red Sand projects and the extensive secondary calcrete deposits contained in the Tumas-Oryx-Tubas palaeochannel and fluviatile sheetwash systems.

In Australia the Company is focused on resource delineation of mid to high grade discoveries in the Mt Isa district - Queensland, including the Queens Gift, Conquest, Slance, Eldorado, Thanksgiving, Bambino and Turpentine Prospects. The Company also owns the Napperby Uranium Project and numerous exploration tenements in the Northern Territory.

A pipeline of other projects and discoveries in both countries are continually being examined and there is extensive exploration potential for new, additional uranium discoveries in both Namibia and Australia.

### **APPENDIX 1: MOUNT ISA JORC CODE RESOURCES**



Table 1: All Prospects Combined – January 2010 JORC Code Resource Estimate

Category	Cut-off Grade	Tonnes	Grade (ppm U3O8)	Metal (Tonnes U3O8)	Metal (MIb U3O8)
Inferred	> 200	4,280,000	340	1,440	3.2
	> 300	2,020,000	440	890	2.0
Indicated	> 200	2,980,000	330	990	2.2
	> 300	1,620,000	400	660	1.4
Combined	> 200	7,260,000	340	2,430	5.4
	> 300	3,640,000	420	1,540	3.4

<sup>\*</sup> Note: Figures have been rounded

Table 2: Isa West Project – January 2010 JORC Code Resource Estimate

Category	Cut-off Grade	Tonnes	Grade (ppm U3O8)	Metal (Tonnes U3O8)	Metal (MIb (U3O8)
Thanksgiving	Prospect			-	
Inferred	> 200	1,180,000	370	440	1.0
	> 300	660,000	470	310	0.7
Indicated	> 200	800,000	340	270	0.6
	> 300		400	190	0.4
Combined > 200		1,980,000	360	710	1.6
	> 300	1,130,000	440	490	1.1
Bambino Pros	pect				
Inferred	> 200	1,410,000	310	430	0.9
	> 300	670,000	370	240	0.5
Indicated	> 200	790,000	320	250	0.6
	> 300	370,000	390	140	0.3
Combined	> 200	2,200,000	310	680	1.5
	> 300	1,040,000	370	390	0.9
Eldorado Nort	h Prospect				
Inferred	> 200	260,000	410	110	0.2
	> 300	160,000	500	80	0.2
Combined	> 200	260,000	410	110	0.2
	> 300	160,000	500	80	0.2
Total Isa West					
Inferred	> 200	2,850,000	340	970	2.1
	> 300	1,490,000	420	630	1.4
Indicated	> 200	1,590,000	330	520	1.1
	> 300	840,000	390	330	0.7
Combined	> 200	4,440,000	340	1,490	3.3
	> 300	2,330,000	410	960	2.1

<sup>\*</sup> Note: Figures have been rounded

# APPENDIX 1: MOUNT ISA JORC CODE RESOURCES



Table 3: Isa North Prospects – January 2010 JORC Code Resource Estimate

Category	Cut-Off Grade	Tonnes	Grade (ppm U3O8)	Metal (Tonnes U3O8)	Metal (MIb U3O8)
Queens Gift	-				
Inferred	> 200	1,190,000	280	330	0.7
	> 300	310,000	410	130	0.3
Indicated	> 200	1,100,000	310	340	0.8
	> 300	540,000	380	210	0.5
Combined	> 200	2,290,000	300	680	1.5
	> 300	850,000	390	330	0.7
Slance					
Inferred	> 200	240,000	550	130	0.3
	> 300	220,000	580	130	0.3
Indicated	> 200	290,000	450	130	0.3
	> 300	240,000	490	120	0.3
Combined	> 200	540,000	500	270	0.6
	> 300	460,000	540	250	0.5
Total Isa Nort	h				
Inferred	> 200	1,430,000	330	470	1.0
	> 300	530,000	480	260	0.6
Indicated	> 200	1,390,000	340	480	1.0
	> 300	780,000	420	330	0.7
Combined	> 200	2,820,000	330	940	2.1
	> 300	1,310,000	440	580	1.3

<sup>\*</sup> Note: Figures have been rounded

# APPENDIX 2: MAY - JUNE 2010 RC DRILL RESULTS



Table 1: Miranda Project

Drillhole	MGA	Zone 54	Azi	Dip	TD (m)	Depth	n (m)	Interval	cU3O8
Dillillole	mE	mN	AZI	Dib	וט (ווו)	From	То	(m)	(ppm)
MRRC019	379810	7769041	45	-60	90	55	56	1	110
MRRC020	379845	7769034	45	-60	72	0	22	22	647
					incl	3	8	5	1,407
						19	22	3	1,355
MRRC021	379841	7769040	45	-60	60	30	34	4	1,069
MRRC022	379870	7769068	225	-60	60	2	38	36	270
						2	25	23	352
MRRC023	379855	7769084	45	-60	60	2	23	21	489
					incl	2	8	6	648
						15	22	7	806
MRRC024	379841	7769099	45	-60	54	3	16	13	231
					incl	12	15	3	368
MRRC025	379824	7769120	45	-60	54	4	12	8	220
MRRC026	379801	7769133	45	-60	54	0	15	15	408
MRRC027	379788	7769120	45	-60	60	32	37	5	317
MRRC028	379767	7769133	45	-60	60				NSR
MRRC029	379876	7769035	45	-60	60				NSR
MRRC030	379867	7769020	45	-60	60	15	20	5	230
MRRC031	379894	7769051	45	-60	60				NSR
MRRC032	379810	7769005	45	-60	150				NSR
MRRC033	379773	7769033	45	-60	150				NSR
MRRC034	379824	7769022	-	-90	48				NSR
MRRC035	379880	7769081	-	-90	54				NSR
MRRC036	379875	7769102	-	-90	36				NSR
MRRC037	379819	7769042	-	-90	60				NSR
MRRC038	379835	7769131	-	-90	30				NSR
MRRC039	379808	7769144	-	-90	48				NSR
MRRC040	379773	7769103	-	-90	48				NSR
MRRC041	379785	7769157	-	-90	42				NSR

### **APPENDIX 2: MAY - JUNE 2010 RC DRILL RESULTS**



**Table 2: Citation Prospect** 

Dwill hala	MGA 2	Zone 54	A -:	Dim	TD	Depth	(m)	Interval	cU3O8 (ppm)
Drill hole	mE	mN	Azi	Dip	(m)	From	То	(m)	
CIRC005	336557	7713264	45	-60	168	58	74	16	564
					incl	60	64	4	1,622
						135	136	1	230
						146	148	2	358
CIRC006	366554	7713366	45	-60	60	38	42	4	673
CIRC007	336574	7713252	45	-60	180	55	71	16	652
						142	143	1	235
CIRC008	336631	7713266	45	-60	114	17	29	12	90
CIRC009	336670	7713194	45	-60	60	25	27	2	630
CIRC010	336536	7713289	45	-60	174	65	76	11	543
CIRC011	336492	7713209	45	-60	180	144	156	12	421

**Table 3: Eldorado North Prospect** 

	MGA 2	MGA Zone 54			TD	Depth (m)		Interval	cU3O8
Drill hole	mE	mN	Azi	Dip	(m)	From	То	(m)	(ppm)
ENRC013	337444	7710519	75	-60	186	139	164	25	479
					incl	152	158	6	1,039
ENRC014	337459	7710470	75	-60	150	122	126	4	1,134

**Table 4: Miami Prospect** 

	Drill hole	MGA Zone 54		Azi	Dip TD	Depth (m)		Interval	cU3O8	
		mE	mN	AZI	Dib	(m)	From	То	(m)	(ppm)
	MIRC004	336451	7713913	70	-60	60				NSR
	MIRC005	336407	7713898	70	-60	150				NSR

**Table 5: Mighty Prospect** 

	Drill hole	MGA Zone 54		Azi	Dip	TD	Depth (m)		Interval	cU3O8
		mE	mN	AZI	Dib	(m)	From	То	(m)	(ppm)
	MGRC004	336429	7713615	60	-60	150	55	58	3	1,593
	MGRC005	336449	7713550	60	-60	150	59	62	3	501

**Table 6: Never Can Tell Prospect** 

Drill hole	MGA Zone 54		۸ -:	Dip	TD	Depth (m)		Interval	cU3O8
Dilli liole	mE	mN	Azi	ыр	(m)	From	То	(m)	(ppm)
NCRC004	336881	7714488	90	-60	150	71	81	10	693
NCRC005*	336888	7714513	90	-60	56				NSA
NCRC006	336882	7714512	90	-60	180	77	85	8	836

<sup>\*</sup> Abandoned hole

# APPENDIX 2: MAY - JUNE 2010 RC DRILL RESULTS



**Table 7: Turpentine Prospect** 

Drill hole	MGA Zone 54		Azi	Din	TD	Depth (m)		Interval	cU3O8
Dilli fiole	mE	mN	AZI	Dip	(m)	From	То	(m)	(ppm)
TURC017	335070	7713284	50	-60	132	89	93	4	316
						105	114	9	347
					incl	105	107	2	543
					Incl	111	113	2	803