



## Ramelius Resources Limited

ACN 001 717 540

140 Greenhill Road, Unley SA 5061  
GPO Box 1373, Adelaide SA 5001  
DX 52003, Unley  
Telephone (08) 8373 6473 / (08) 8373 5588  
Facsimile (08) 8373 5917

### ASX RELEASE

#### For Immediate Release

4 October 2007

General Manager  
The Company Announcements Office  
ASX Limited  
PO Box H224  
Australia Square  
Sydney NSW 121

Dear Sir/Madam,

### WATTLE DAM AND SPARGOVILLE REGIONAL EXPLORATION UPDATE

The Directors of Ramelius Resources Limited (ASX code:"RMS") are pleased to release an update of the Wattle Dam and Spargoville Regional Exploration activities undertaken in the Spargoville gold/nickel belt located 25 kms west of Kambalda in the Eastern Goldfields of WA.

#### HIGHLIGHTS - WATTLE DAM

##### Wattle Dam RC Drilling Program

- **WDRC296 - 11 metres at 47.9 g/t gold** from 159 metres down hole depth (including **1 metre at 196 g/t gold** and **1 metre at 146 g/t gold**).
- **High Grade Zone** now intersected over 80 metres strike length.

##### Wattle Dam Diamond Drilling Program

- Diamond drilling is currently underway which is targeting extensions of the identified high grade zone down dip and down plunge to the north.

#### HIGHLIGHTS - SPARGOVILLE REGIONAL (GOLD AND NICKEL)

##### Larkinville West (Gold)

- RC drilling program - Results pending.

##### Eagle's Nest (Gold)

- Initial RC drilling program - Results pending.
- Remaining RC drilling program to be completed shortly.

##### Golden Orb (Gold)

- An RC drill program for approximately 1,700 metres is planned to further evaluate the gold mineralisation previously identified.

### Spargoville Nickel Project

- A significant intersection of 18 metres @ 0.77% Ni from 16 metres (including 4 metres @ 1.1% Ni from 24 metres) within the weathered profile of hole SRRB0240.
- **1A North (Nickel)** - Two diamond drill holes for approximately 520 metres have been planned to test for both a down plunge extension of nickel mineralisation (*previous result 0.45m @ 2.04% Ni*) and associated DHEM anomaly.
- **Hilditch North (Nickel)** - RC and diamond drill holes have been planned to test anomalous geochemistry in earlier drilling.

## WATTLE DAM FOLLOW-UP EVALUATION DRILLING

### PROGRAM SUMMARY – SURFACE RC DRILLING

Ramelius completed two surface reverse circulation drilling programs to evaluate both the cut back and underground mining potential at the Wattle Dam Gold Mine during February and March 2007. Analytical results returned from this drilling resulted in a significant strengthening of the case for an extension of the known gold resource. The drilling identified several areas for immediate follow up RC drilling which have subsequently been evaluated with a total of 40 RC drill holes for 5,446 metres. All results have now been received from this drilling.

A detailed geological interpretation incorporating all results is currently being completed, however the presence of a continuation of high grade gold mineralisation outside the boundaries of the existing mine pit points strongly to the economic potential of further mining at Wattle Dam.

The samples from this RC drilling, which used a face sampling bit, were collected over one metre intervals using a cyclone and a 2 to 3 kilogram sample was riffle split for gold analysis. The samples were submitted to Genalysis Laboratory Services Pty Ltd where they were dried and pulverised prior to a 200 gram sub-sample being taken for Leachwell analysis. When wet samples were encountered, the entire one metre drill sample was sent to Genalysis for drying and jaw crushing prior to riffle splitting to obtain the 2 to 3 kilogram sub-sample for pulverisation and analysis. Routine check and duplicate sampling is yet to be undertaken. The drill cuttings were geologically logged along with factors such as water inflows that may affect the quality of the samples.

### ANALYTICAL RESULTS – SURFACE RC DRILLING

All results from the RC drill program have now been received.

All new (not previously reported) significant intercepts from the drilling are presented in Table 1.

This is based on a 1g/t cut- off and **only intercepts containing greater than 8 gram metres gold over 4 metres down hole are included.** Grades in excess of 100 g/t gold have been cut to 100 g/t gold and are presented in the Cut Grade column in Table 1.

Hole Number	Northing (GDA)	Easting (GDA)	RL (m)	Dip	Azimuth	Total Depth (m)	From (m)	To (m)	Width	Grade	Cut Grade
WDRC290	7990	6140	340	-60	90	184	126	130	4	4.5	
						incl	126	127	1	15.0	
WDRC296	8040	6280	340	-60	270	250	159	170	11	47.9	35.0
						incl	159	160	1	196	100
						and	169	170	1	146	100
							177	194	17	3.5	
						incl	188	189	1	12.7	
WDRC299	8000	6288	340	-60	270	226	150	159	9	8.5	
						incl	150	151	1	39.7	
						and	154	155	1	15.3	
							208	213	5	1.8	
							222	226	4	2.3	
WDRC300	8010	6273	340	-57	270	196	149	157	8	2.2	
							184	189	5	2.2	
WDRC301	8020	6266	340	-60	270	200	126	131	5	5.6	
						incl	126	127	1	24.7	
							167	173	6	1.9	
WDRC303	7990	6120	340	-60	90	208	95	99	4	2.5	

**Table 1 - Wattle Dam Surface RC Drilling - Significant Results ( $\geq 8$  gram metres)**

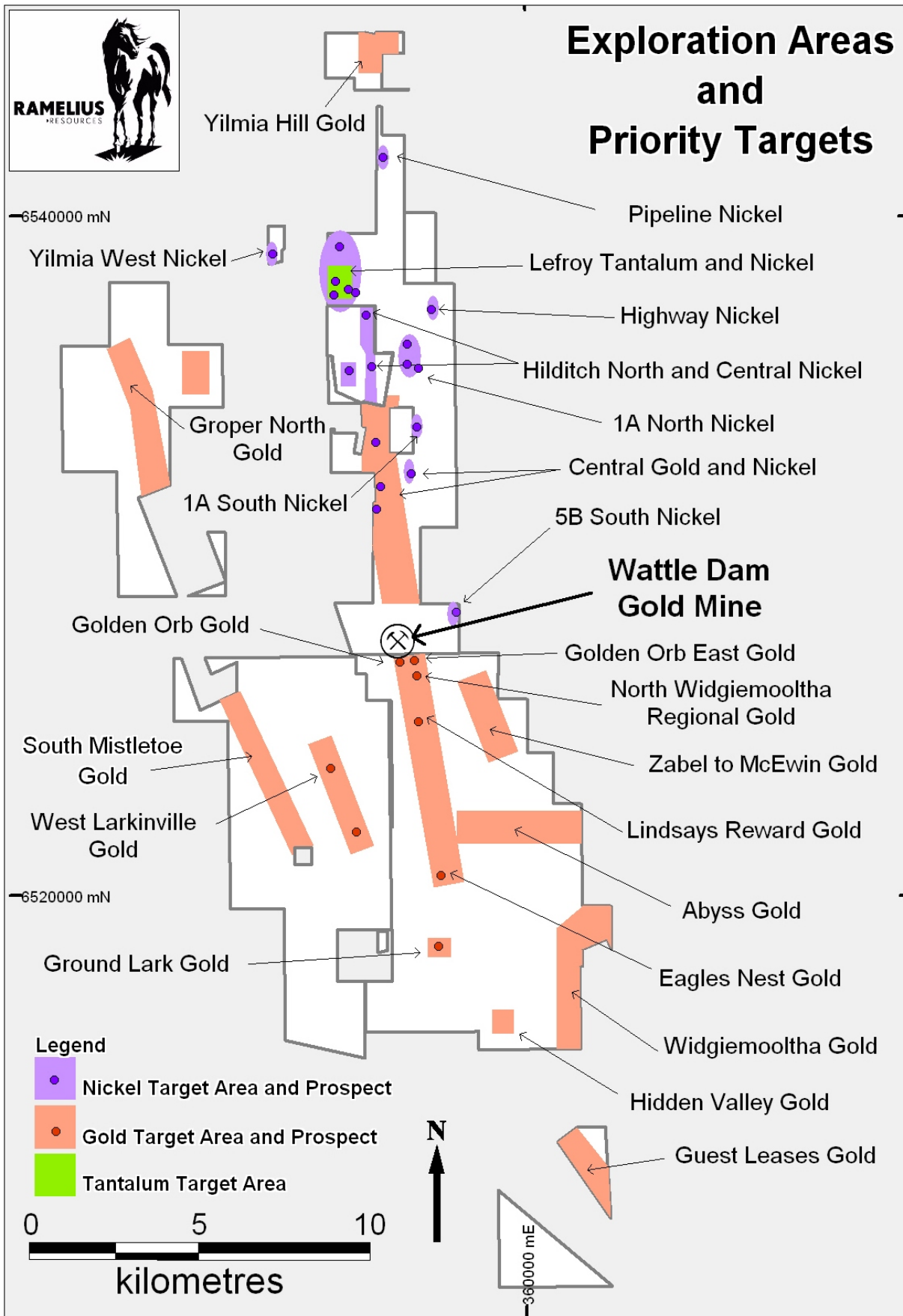
The high grade intercept of **11 metres @ 47.9 g/t gold** within WDRC296 is located 20 metres to the north of the previously identified high grade intersection of 48 metres @ 154 g/t gold within WDRC226. It is interpreted that WDRC296 has intersected the up dip portion of the high grade northerly plunging zone on section 8040N.

High grade drill results and/or visible gold intersections coupled with favourable chlorite/biotite/pyrite alteration have now been intersected from a depth of 95 metres **over a strike length of 80 metres** below and extending beyond the northern end of the current open pit. The deepest drilling to date remains at a depth of 180 metres below surface at the northern end of this zone.

Diamond drilling is currently underway which is targeting extensions of the identified high grade zone down dip and down plunge to the north. A total of eight drill holes are initially planned which will evaluate the identified northerly plunging high grade zone at vertical depths of 190 metres and 240 metres below surface. A total of eight RC precollars for 1,230 metres and three diamond tails for 653.9 metres have been completed to date.

#### **RESOURCE MODEL AND ESTIMATE**

A geological model of the gold distribution both immediately under the pit and at depth is in preparation. Based on this a resource estimate will be prepared. CSA Australia has been engaged to undertake this estimate which is to be used for the mine planning of a cut back and underground development.



## **SPARGOVILLE REGIONAL (Nickel and Gold)**

The Wattle Dam Project tenements held by Ramelius Resources Limited host the Spargoville ultramafic belt. Initial work has focused on this sequence along strike of the Spargoville 1A, 5B and Andrew's Shaft Deposits (located in small excisions held by Breakaway Resources Limited). A series of nickel anomalies has been generated across the tenements utilising a combination of both geochemical and geophysical exploration techniques.

A total of 523 RAB drill holes for 9,198 metres and 83 Aircore drill holes for 3,520 metres have been completed to date, to further evaluate these anomalies and better define the geology of the area. A portion of the completed drilling was also carried out over the Central gold target. The Central gold target comprises an area to the north of the Wattle Dam Gold Mine where the regional surface gold anomalism is interpreted to be terminated and overlain by drainage.

The samples from this RAB drilling were collected over one metre intervals and placed on the ground in mounds from which a scoop of the cuttings was taken and composited over a maximum of four metres. The samples were submitted to Genalysis Laboratory Services Pty Ltd where they were dried and pulverised prior to a sub-sample being taken for analysis. All samples were analysed for gold using aqua-regia digestion and AAS determination, arsenic, chromium, copper, iron, magnesium, nickel, lead and zinc using four acid digestion and OES determination. Selective samples were also analysed for tantalum using four acid digestion and MS determination. The drill cuttings were geologically logged.

Approximately 30% of results have been received for the drilling completed to date. Areas of anomalous nickel and/or gold have been identified.

Although results from the majority of the drilling are pending, a significant intersection has been identified in SRRB0240, which returned **18 metres @ 0.77% Ni from 16 metres (including 4 metres @ 1.1% Ni from 24 metres)** within the weathered profile. The anomaly would appear to be hosted by a relatively low MgO mafic and its association with minor gold anomalism, (22 metres @ 0.17g/t gold from 12 metres), suggests that it may be remobilised.

Further minor gold anomalism has been identified within the drilling in a further three holes returning values in the order of 0.1 - 0.2g/t Au.

## **LARKINVILLE WEST (Gold)**

The Larkinville West prospect is located in the south-eastern portion of E15/689 partially within and adjacent to, the east of P15/4214. The area was initially defined by an area of co-incident gold and arsenic anomalism within auger sampling which has subsequently been followed up by RAB drilling.

A total of 14 RC drill holes for 1,650 metres have been completed to evaluate anomalism within the previous RAB drilling, including 32 metres @ 2.0g/t gold from 12 metres, (LWRB0051). Anomalous ( $\geq 0.1$ g/t Au) intercepts were returned from the RAB drilling over a strike length of 700 metres. The RC drilling was completed to test the most prospective 350 metres of the anomalous strike at a drill spacing of 20 metres x 100 metres.

All results are pending.

### **EAGLES NEST AREA (Gold, Tantalum, Nickel)**

The Eagles Nest Project is located approximately seven kilometres to the south and along strike from the Wattle Dam Gold Mine. The lease was the site of the discovery in 1931 of "The Golden Eagle Nugget" which weighed in at 78 pounds or 1,131 troy ounces, the largest recorded nugget found in WA. Since this time the tenement area has been held continuously by individual miners and prospectors and consequently has had little if any systematic exploration. The Company believes the "Golden Eagle" and numerous other nuggets located at this location to be a significant indicator of the rich and nuggety trend that it now has proved at Wattle Dam.

A detailed auger geochemical sampling program for gold was completed over the Eagles Nest Project (M15/1475) and adjoining North Widgiemooltha Project tenements, (M15/99 and 100) during the June 2007 quarter. Results from the auger sampling delineated a zone of co-incident gold and arsenic anomalism over a strike length of approximately 500 metres. The gold anomalism is defined by values greater than 100ppb with central values in excess of 250ppb. It lies within ultramafic lithologies bounded by felsic lithologies to the east and west.

An RC drilling program comprising 18 RC drill holes for 1,800 metres has been generated as a first pass evaluation of the area. A total of five RC drill holes were completed for 514 metres. The remaining portion of the program is expected to be completed on the rigs' return to this site early next month.

### **GOLDEN ORB (Gold)**

The Golden Orb prospect is located approximately 700 metres to the south and along strike from the Wattle Dam Gold Mine. Ramelius has previously undertaken both RAB and RC drilling within the area in order to follow up anomalous drill results.

Three styles of gold mineralisation have been interpreted from the all completed drilling within the area.

1. Lateral surficial dispersion including 3 metres @ 3.1g/t Au from 0 metres (WDRC088).
2. Lateral dispersion within upper saprolite including 5 metres @ 7.4 g/t Au from 18 metres (WDRC205).
3. Primary zones of mineralisation with an interpreted steep dip to the east and trending north north-west including 7 metres @ 11.4g/t Au from 90 metres (WDRC197).

An RC drill program for approximately 1,700 metres has been generated to further evaluate the latter two of the above styles. This drilling is expected to be completed in the coming months.

### **1A North (Nickel)**

Routine sampling of the drill core from diamond drill hole WRC024 drilled in 2005 by Pioneer Nickel Ltd north of the excised 1A deposit returned a 0.45 metre interval of 2.04% Ni and 400ppm Cu in a stringer sulphide zone on the contact of basalt and ultramafic rocks.

Two diamond drill holes for approximately 520 metres have been planned to test for both a down plunge extension of the nickel mineralisation intersected by Pioneer and the associated DHEM anomaly.

**Hilditch North (Nickel)**

A program of four deep RC drill holes and one diamond drill hole, totalling approximately 900 metres and 350 metres respectively, has been generated for Hilditch North to test anomalous geochemistry in earlier drilling.

A row of shallow RC drill holes has been generated for approximately 500 metres to test the ground between the northern most drilling conducted by Ramelius within P15/4129 and to the south of drilling completed by Pioneer Nickel in the adjacent tenement to the north (E15/718). Ramelius is currently earning 80% of the nickel rights within E15/718 from Pioneer.

**For further information please contact:**

**Mr. Joe Houldsworth**  
**Managing Director**  
**Ramelius Resources Limited**  
**Ph. 08 9250 6644**

**Mr. Duncan Gordon**  
**Investor Relations**  
**Ramelius Resources Limited**  
**Ph. 08 8232 8800**  
**Mob. 0404006444**

The Information in this report that relates to Exploration Results is based on information compiled by Matthew Svensson and Diane Tily-Laurie.

Matthew Svensson is a Member of the Australian Institute of Geoscientists and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the Australasian Code for Reporting on Exploration Results. Matthew Svensson is a full-time employee of the Company and consents to the inclusion in the report of the matters based on his information in the form and context in which it appears.

Diane Tily-Laurie is a Member of the Australian Institute of Mining and Metallurgy and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity she is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the Australasian Code for Reporting on Exploration Results. Diane Tily-Laurie is a full-time employee of the company and consents to the inclusion in the report of the matters based on her information in the form and context in which it appears.

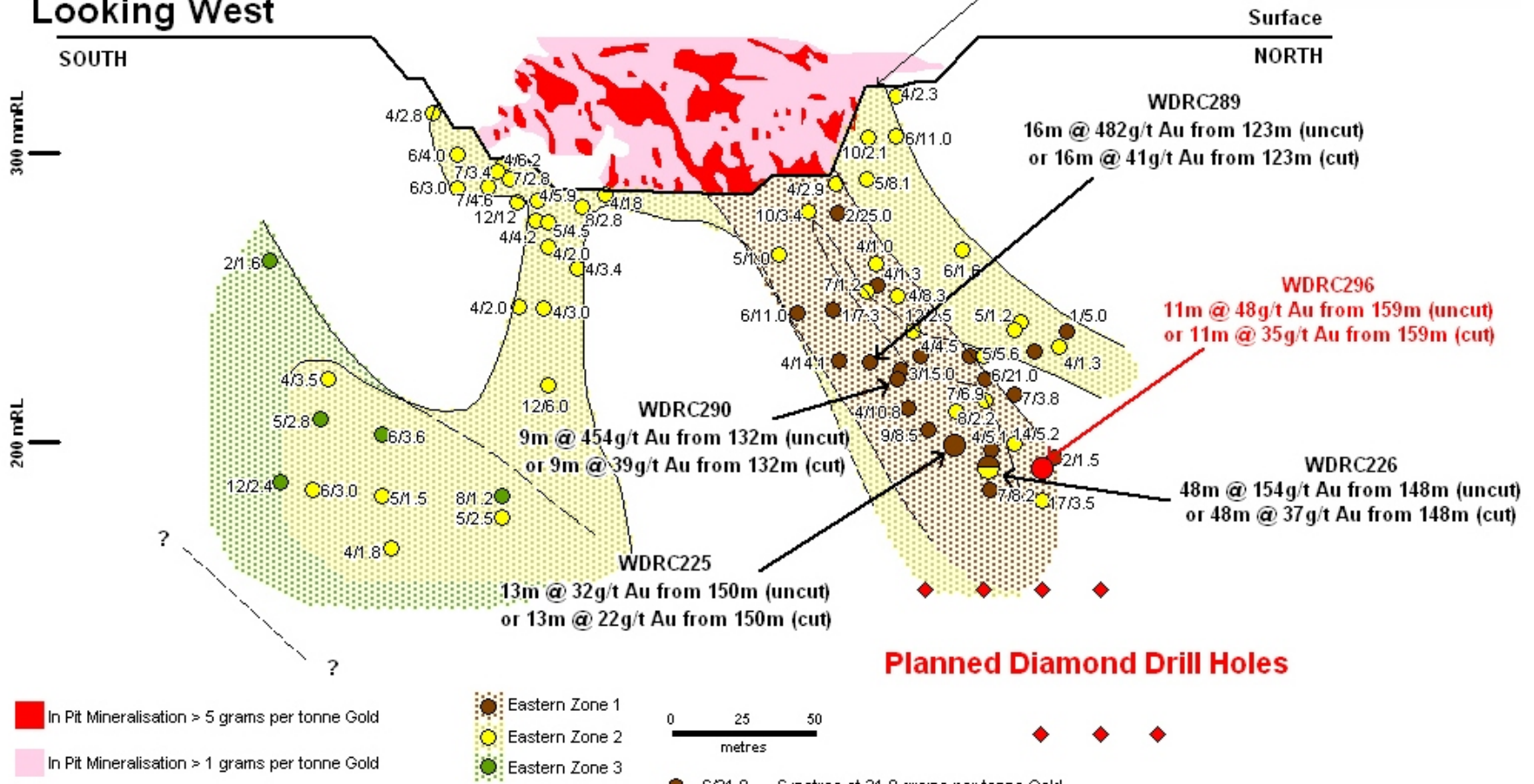
## APPENDIX – Wattle Dam Surface RC Drilling - Collar Details

All drill hole collar details from the complete surface RC drill program are listed below. For reference the Wattle Dam Open Pit is located between 7820N and 8020N.

Hole Number	Northing (GDA)	Easting (GDA)	RL (m)	Dip	Azimuth	Total Depth (m)
WDRC149	7870	6180	340	-60	90	177
WDRC171	8010	6170	340	-60	90	100
WDRC228	7760	6200	340	-60	90	150
WDRC229	7828	6209	340	-50	89	80
WDRC230	7800	6220	340	-60	90	80
WDRC231	7780	6220	340	-60	90	80
WDRC232	7560	6415	340	-60	90	100
WDRC233	7560	6335	340	-60	90	120
WDRC234	7560	6255	340	-60	90	120
WDRC235	7860	6180	340	-60	90	184
WDRC236	8000	6160	340	-60	90	130
WDRC237	8100	6310	340	-60	89	82
WDRC238	8100	6290	340	-60	90	80
WDRC239	8100	6270	340	-60	102	93
WDRC240	8100	6250	340	-60	120	80
WDRC241	8200	6320	340	-60	90	80
WDRC242	8200	6300	340	-60	90	88
WDRC243	8200	6280	340	-60	90	80
WDRC244	8200	6260	340	-60	90	88
WDRC245	8200	6240	340	-60	90	80
WDRC246	8200	6220	340	-60	90	80
WDRC247	7880	6178	340	-60	90	166
WDRC248	7890	6180	240	-60	88	170
WDRC249	8030	6280	340	-60	267	250
WDRC288	7970	6140	340	-60	90	184
WDRC289	7980	6140	340	-60	90	178
WDRC290	7990	6140	340	-60	90	184
WDRC291	8200	6200	340	-60	90	82
WDRC292	7700	6320	340	-60	90	100
WDRC293	7700	6280	340	-60	81	100
WDRC294	7700	6240	340	-60	82	120
WDRC295	7700	6200	340	-65	89	120
WDRC296	8040	6280	340	-60	270	250
WDRC297	8050	6280	340	-60	270	250
WDRC298	8070	6280	340	-60	270	250
WDRC299	8000	6288	340	-60	270	226
WDRC300	8010	6273	340	-57	270	196
WDRC301	8020	6266	340	-60	270	200
WDRC302	8020	6270	340	-60	270	190
WDRC303	7990	6120	340	-60	90	208

7700 mll                      7800 mll                      7900 mll                      8000 mll                      8100 mll

# Ramelius Resources Limited Wattle Dam Gold Mine Diagrammatic Longitudinal Projection Looking West



\* All intercepts are calculated using cut grades unless specified



Diamond drill in the foreground and RC drill in the background