

# MINERAL LEASES N 880, 881 and 882 (GREAT WESTERN)

SUMMARY REPORT FOR THE PERIOD 1 JANUARY 2008 – 31 DECEMBER 2011

**Adept Solutions Limited** 

# MINERAL LEASES N 880, 881 and 882 (GREAT WESTERN)

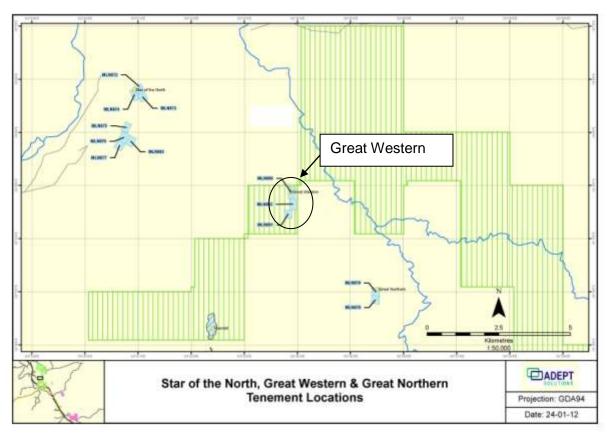
#### SUMMARY REPORT FOR THE PERIOD 1 JANUARY 2008 - 31 DECEMBER 2011

#### **TENEMENT**

ML N's 880, 881 and 882 were granted on 14 March 2001 and expire on 31 December 2020. The tenements were transferred from Corporate Developments Pty Ltd to The Australian Land Company in 2006. The three tenements total 23.52 ha. Shallow workings are located on a series of six quartz veins over a strike length of about one km. Two previous diamond drill holes achieved a best intersection of 1.15 m @ 4 g/t Au.

#### LOCATION

The tenement block is located 32 km ENE of Adelaide River in the Pine Creek Region. It is centered on coordinates 8543000N 676000E on the Pine Creek 1:250,000 Sheet SD52-08 and Batchelor 1:100,000 Sheet 5171.



Location Plan for Great Western

## **ACTIVITIES DURING THE PERIOD**

This is a report on the exploration activities carried out on the above tenements during the period 1 January 2008 to 31 December 2011 as required under Section 79 (1)(b) of the *Mining Act*.

The Pine Creek Region of the Northern Territory can conveniently be divided (for exploration purposes) into two distinct geomorphic domains. The first is the elevated terrain marked by low hills and general exposure of bedrock, residual soil and evidence of mineralisation. The other comprises the so-called "black soil plains" - broad shallow valleys within which lie the major drainages and surrounding flood plains. These are covered by a generally thin blanket of transported alluvium, mainly dark-coloured clay and alluvial sediments. The first is generally well prospected and explored, while the latter is conspicuously under-explored.

Adept's regional exploration in the Pine Creek area is based on the premise that the bedrock beneath the black soil plains is no less prospective for gold than the surrounding uplands, and indeed may be more so (based on the model of the Callie gold orebody in the Tanami region). Accordingly the Company holds various EL's, ML's and MC's either through Joint Venture or outright, covering significant and prospective areas of black soil in the drainage of the Margaret and McKinlay river systems (Figure 1). ML N 880, 881 and 882 are an important part of this Regional Exploration thrust, comprising an exposed area with gold mineralisation surrounded by "black soil plain" alluvial sheets.

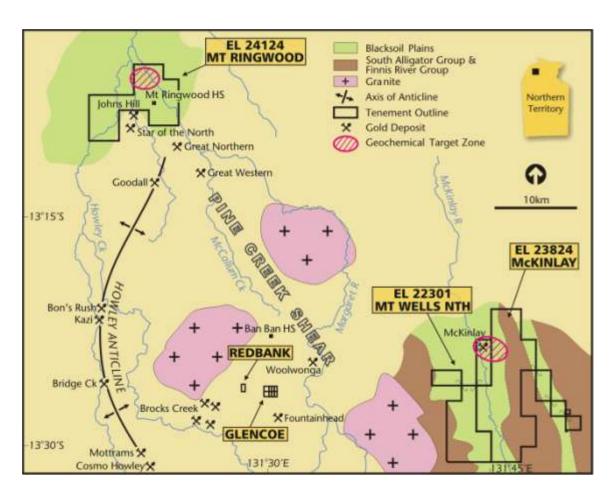


Figure 1: Project Areas and geological features which influence mineralisation, Pine Creek Region

It is postulated that the vein mineralisation is the most distal manifestation of mineralising fluids which exploited brittle-mobile fracture zones associated with anticlinal hinge zones. Where these structures penetrated more reactive sediments lower in the sequence it is possible that more substantial mineralisation developed. Consequently IP and deeper

drilling is planned, notwithstanding the relatively parlous intersections achieved immediately below the exposed mineralisation.

#### TOTAL EXPENDITURE ON EXPLORATION ACTIVITIES

A total expenditure of \$3,600.00 was incurred on exploration and related activities during the period on ML N 875, 876, 877 and 883:

	\$
Review of data	1000
Field Inspections	1000
Travel and Accommodation	1000
Admin Support at 20%	<u>600</u>
TOTAL	3,600

Numbers rounded as an allocation of personnel time, and apportionment of costs incurred in activities covering numerous tenements.

### GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL AND DRILLING RESULTS

Geological information is incorporated into the Resume of activities above.

#### DATA, MAPS, LOGS AND RECORDS

There is no new data or maps (other than shown at Figure 1) for these tenements.

#### **DIGITAL DRILLING DATA**

No drilling has been undertaken on the tenements during the period.

#### ANTICIPATED FUTURE PROGRAM AND EXPENDITURE

Testing by RC/diamond drilling of the depth extensions of the outcropping mineralisation in potentially more favourable host rocks, as indicated by induced polarisation, will be integrated into our broader regional program.

Ongoing expenditure of the order of \$3,000 per annum is anticipated.