



Artemis Resource Limited – Resource Investments and Exploration

ASX Code: ARV & ARVO

ABN 80 107 051 749



Artemis Resources Limited



Australian Stock Exchange Listing

ARV (shares) and ARVO (options)

Issued Share Capital	77.2m
Listed Options (ex price 25c June 09)	66.4m
Unlisted Options	6.5m

Cash at 31 December 2007	A\$5.03m
Investment - CTS (A\$0.29 -20/2/08)	A\$1.45m
Investment - AON (A\$0.30 – 20/2/08)	A\$1.50m
Investment - BOE & BOEO(A\$0.35/0.17–20/2/08)	A\$0.30m
Debt	nil

Major Investors

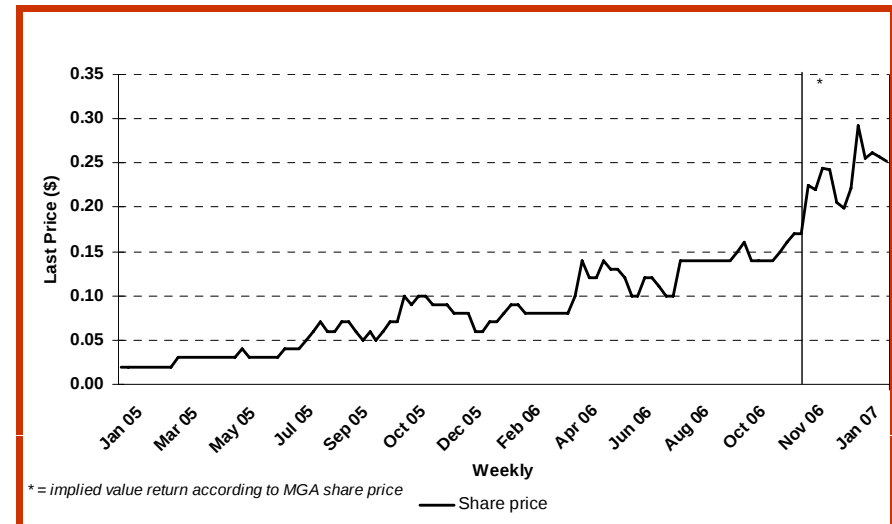
Tiger Resources	11%
Asia Pacific Resource Fund	11%
Mega Uranium (Mega Redport Pty Ltd)	6%

The Redport Uranium Story



- Artemis formed by the founders of Redport
- Redport – explored the Lake Maitland Uranium project and provided returns of over 1000% to investors in <18 months
- April 2005 - Redport restructured and uranium assets acquired
 - Market Capitalisation A\$2million at the time or re-listing
 - Share price 2 cents
 - Focus on WA Uranium assets
 - Drilling of deposit and delineated resource of over 10,000 tonnes U₃O₈ in less than 12 months
- July 2006 - Mega Uranium of Canada takeover of Redport:
 - Acquisition cost A\$125m (cash and shares)
 - Offer price 14 cents per share - share worth over 20cents on completion Nov 06
 - Development studies now underway at WA project

Redport Share Price History



Experienced Board and Management



- **Sevag Chalabian** *Non – Executive Chairman*
 - Director of major shareholder of Redport Limited at re-listing
 - Non – executive Chairman of Apollo Minerals (ASX code: AON)
 - Partner of Lands Legal experience in corporate takeovers and mining
- **Barry Woodhouse** *Director & Company Secretary*
 - Company secretary of several mineral exploration companies
 - Director of Apollo Minerals, previously secretary of Cooper Energy Ltd, Aviva Corporation Ltd & NGM Resources Ltd
 - Experience in mining finance, ASX and corporate governance
- **John Miles** *Non-Executive Director*
 - Ex- Partner of major UK and US Law firms including Mayer Brown LLP
 - Extensive experience in mining law in Africa
- **Tony Grey** *Special Adviser to the Board*
 - Director of Mega Uranium - TSX listed
 - Chairman of International Ferro Metals listed on London Stock Exchange
 - Over 30 years experience in mining exploration - Australian expert on uranium having led the discovery of the largest uranium deposit in Australia - Jabiluka
- **Peter Gleeson** *Project Geological Consultant*
 - Geologist with SRK Australia with over 15 years exploration experience
 - Access to SRK's extensive data base and network in uranium
- **Frans Voermans** *Senior Geologist*
 - Over 30 years of exploration experience in Australia and overseas

Company Projects and Investments



Exploration Projects

- Niger Uranium JV with Trendfield Holdings Ltd - TAG II and TAG IV
- Molybdenum Exploration Project - adjacent to Moly Mines Ltd Spinifex Ridge deposit in WA
- Yandal Gold Project - current inferred resource of 30,000 oz in world class gold province in WA which has yielded over 13m oz in the past
- Mt Clements Gold - current inferred resource of 40,000 oz (Ashburton, WA)

Resource Investments

- Contact Uranium 6% interest - Projects in Peru and Kyrgyz (uranium resource 11m lbs)
- Apollo Minerals 6% - Iron ore focus in Pilbara WA and IOCGU project in SA

Resource House

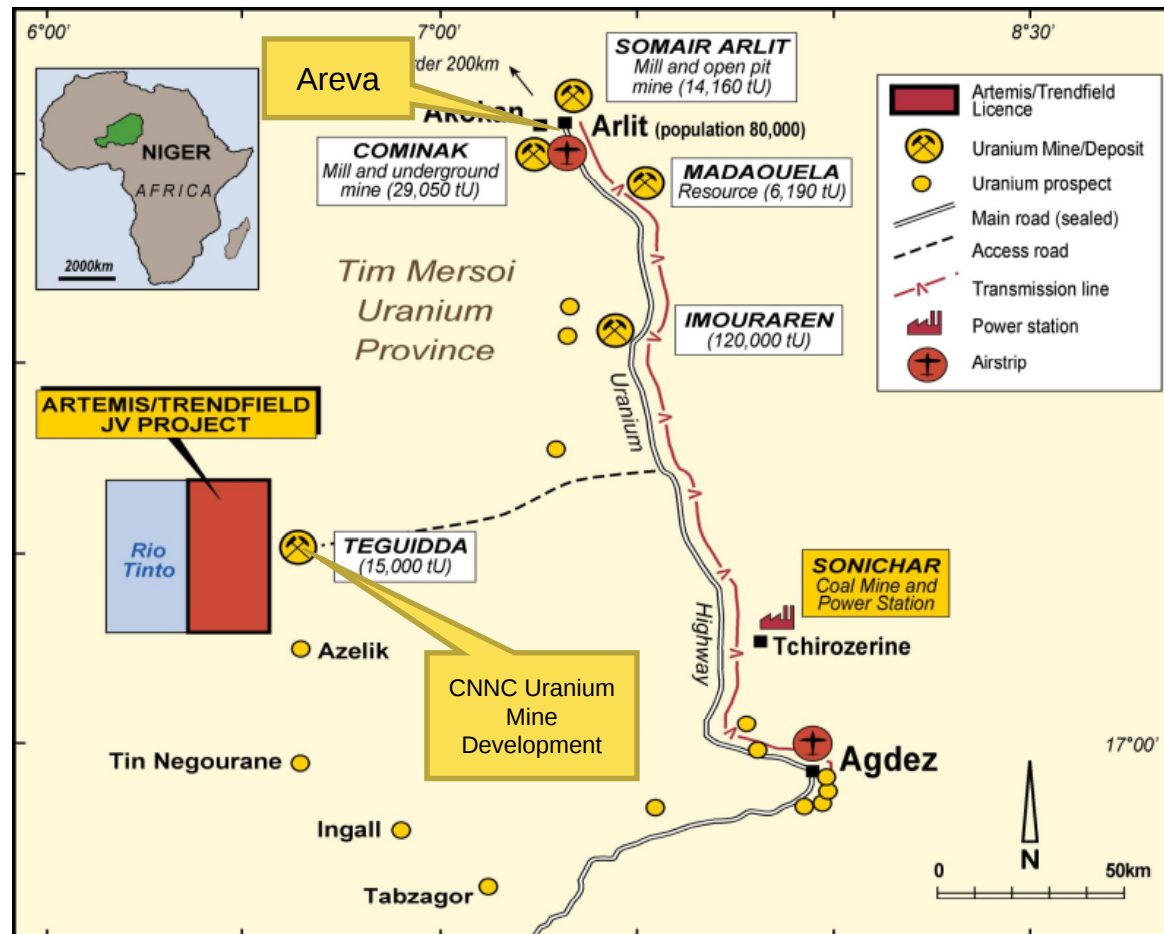
- Artemis involved in fund raising of A\$21m in 2007
- Management Agreement for Apollo Minerals generates cash flow
- Bonus element to Management Agreement
- Current NTA backing of over 10c per share and upside value in exploration projects
- Cashed up and hunting for opportunities

Niger – A Major Uranium Producer



- Producing uranium continuously for over 30 years
- Mines and deposits high grade e.g. 0.1% to 0.42% U_3O_8
- With output of 3,434 t U in 2005, Niger ranks as the 3rd to 5th largest uranium producer, contributing 7.5% of total world production
- Increasing development being observed in all areas of the mining sector within Niger
- Stable mining and fiscal environment
- Availability of water and power in country
- Easy air travel access with regular local and international flights

Properties: Near Uranium Mines and Infrastructure



- Ideal project location in world class uranium province
- Near Areva uranium mine and located directly adjacent to major uranium mine project (7km from SOMINA [Societe des Mines d'Azelik])
- Mining Infrastructure well developed
 - Electrical power from nearby power station
 - Airstrip access and road access
- Significant opportunity for renewed prosperity and economic development for the country

Artemis - The Opportunity



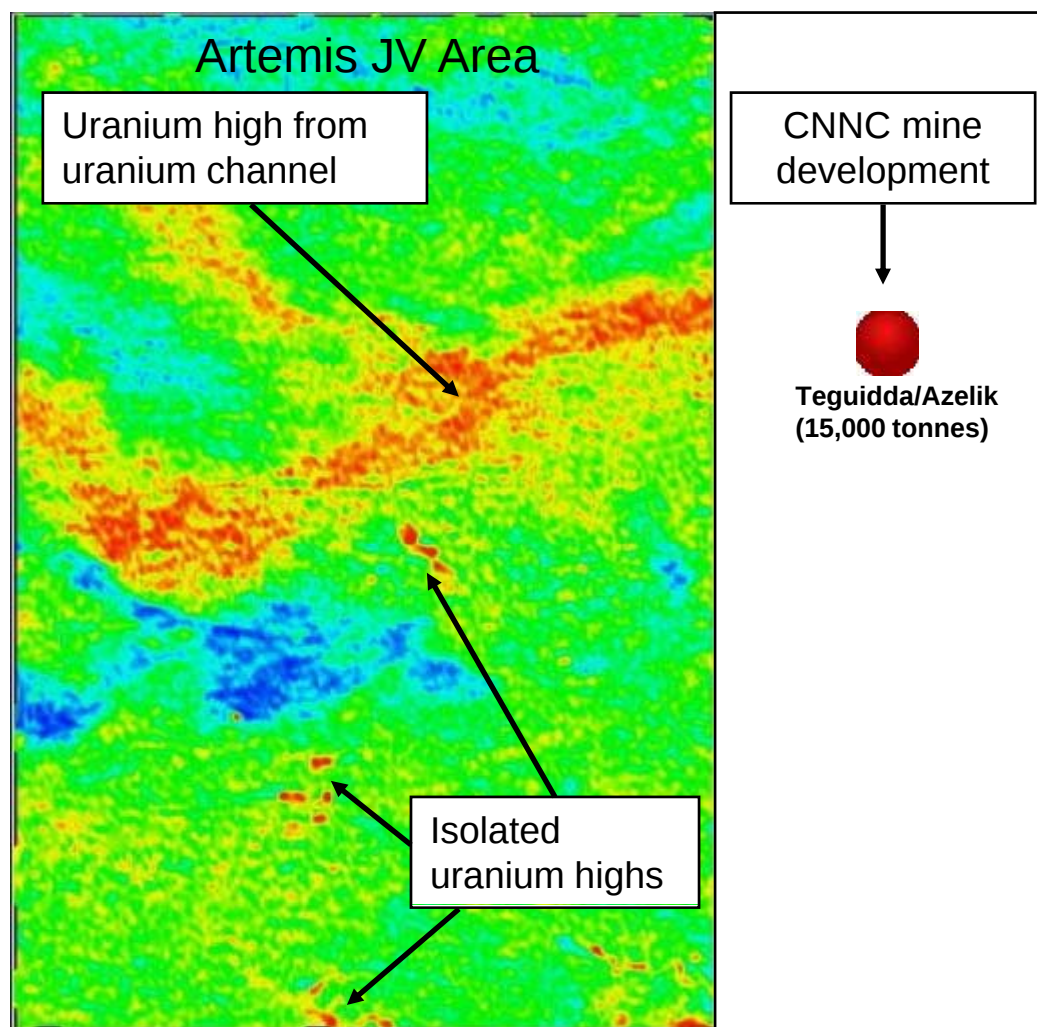
- Two highly prospective license areas covering 1,000 km² in a world class uranium province
- Majority owned subsidiary Arminco holds 49% interest in TAG II and IV and ability to increase to 51% with payment of US\$2.5m plus 1.5m Artemis shares if 6,000t of U₃O₈ reserve is defined by Oct 2009
- Located within the Tim Mersoï Basin along the prospective fault structural zone which holds the Tegguida/Azelik deposit
- Executive and management team with successful acquisition, exploration and development track records in companies such as Redport
- Established local exploration office and access to JV partner geo team with over 20 years experience with Cogema (now Areva)
- Use existing mining and exploration expertise to “fast track” projects, delivery of resources and results

Artemis - Ability to Deliver within two years



- **3 year exploration work programme set out for EM survey, resource definition drilling and sampling for analysis and test work**
 - **1st year programme included data review, airborne survey, establishing exploration camp (budget US\$1m, US\$0.5m spent)**
 - **Committed to an exploration expenditure of US\$3.8 M for TAG II and IV**
- **JV partner successfully completes initial airborne survey in April 2007 on the highly prospective TAG II and IV concessions**
 - **SRK consulting review of data revealed a uranium channel with relative highs across northern part of tenements**
 - **Initial review has identifies uranium anomalies in channel sediments and several isolated uranium highs**
- **TAG II and IV tenements are adjacent and situated along the proven Azelik fault, which contains the large 15,000t U₃O₈ SOMINA Teguidda deposit to the East**

TAG II and IV Exploration Results to Date

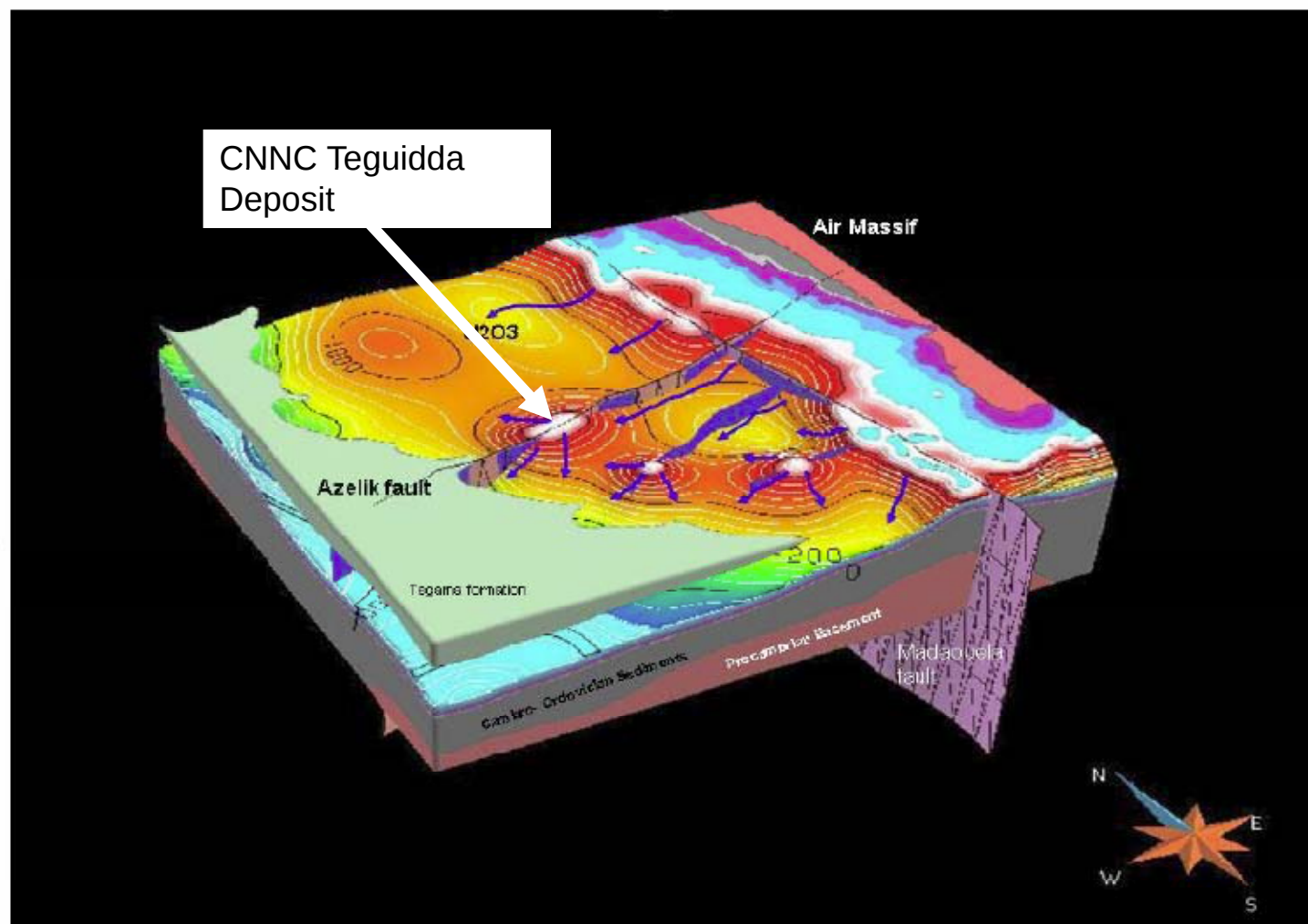


- 2007 Airborne survey locates uranium channel and uranium highs along structures that host existing uranium deposit
- Uranium anomaly may come from SOMINA deposit to the east
- Several isolated uranium highs also exist from possible faults

TAG II and IV Exploration Model

Exploration Model

3D geological model of the Tim Mersoï Basin showing the principle geological controls on the formation of uranium mineralisation in the district



Niger Exploration and Evaluation Strategy



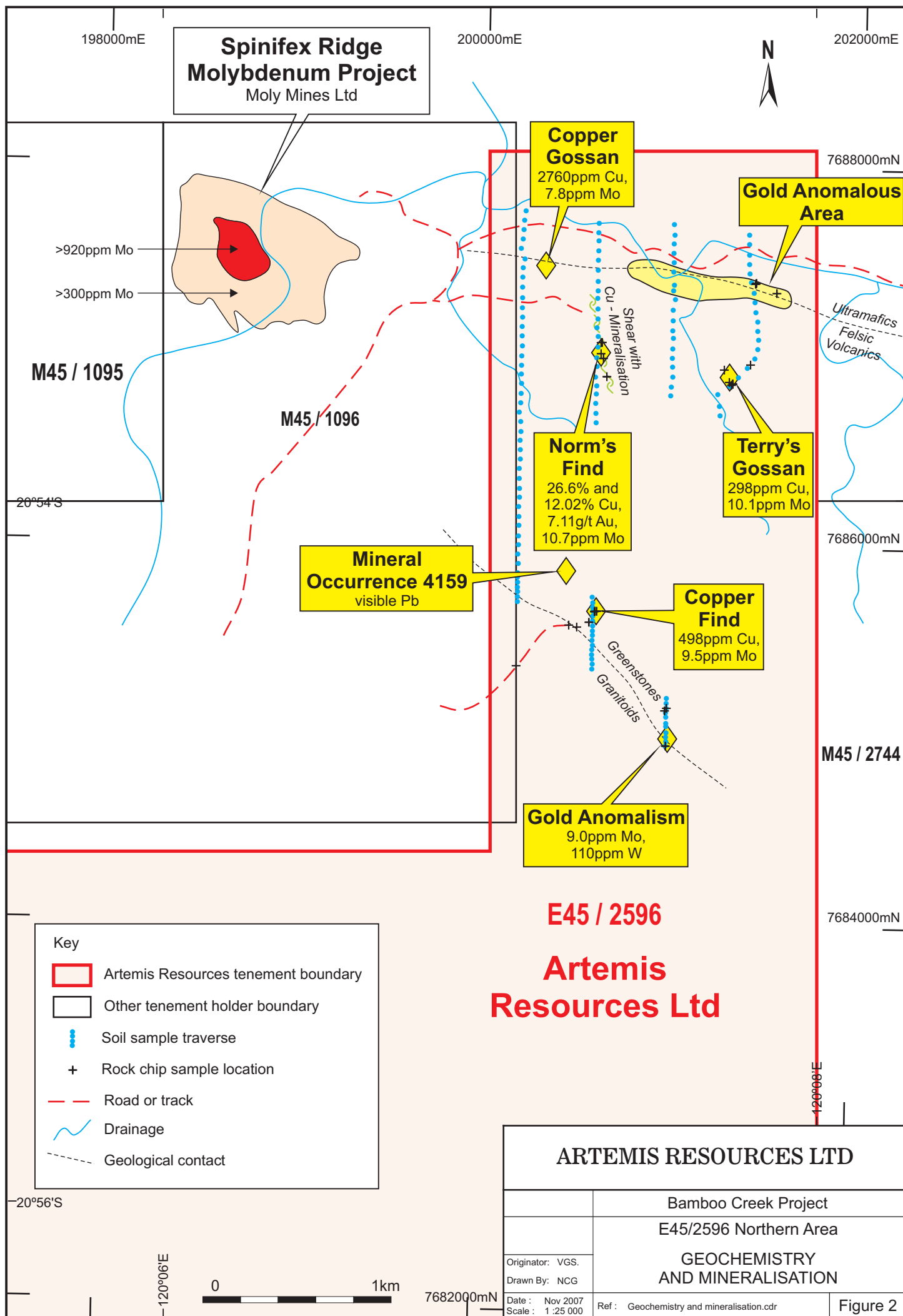
	Activity	TAG II and IV
Phase 1		
	Airborne Survey and data review	Completed
Phase 2		
	Ground work, soil sampling, ground water sampling and mapping	Dec 07 Š Jan 08
Phase 3		
	EM survey and 3D geological study	Q1 2008
Phase 4		
	RC Drilling of uranium targets and follow up Diamond Drilling	Commencing mid 2008
Phase 5		
	Resource Modelling and definition	TBC

Under the JV terms Artemis will undertake exploration work with the intention that drilling will delineate an Inferred Resource as defined by the Reporting Code in 18 months

Spinifex Ridge - Bamboo Creek Project



- The Spinifex-Ridge Bamboo Creek Project is located in the Eastern Pilbara region of Western Australia and is adjacent to the world class Spinifex Ridge Molybdenum-Copper Project held by Moly Mines Ltd (ASX: MOL). Spinifex Ridge presently has one of the largest undeveloped molybdenum deposits in the world with an in situ content of 635 million pounds of molybdenum and 974 million pounds of copper.
- From the most recent field trip, maximum assay results from rock chip sampling were **26.6%** copper, **7.11ppm** gold, **478ppm** silver and **10.7ppm** molybdenum.

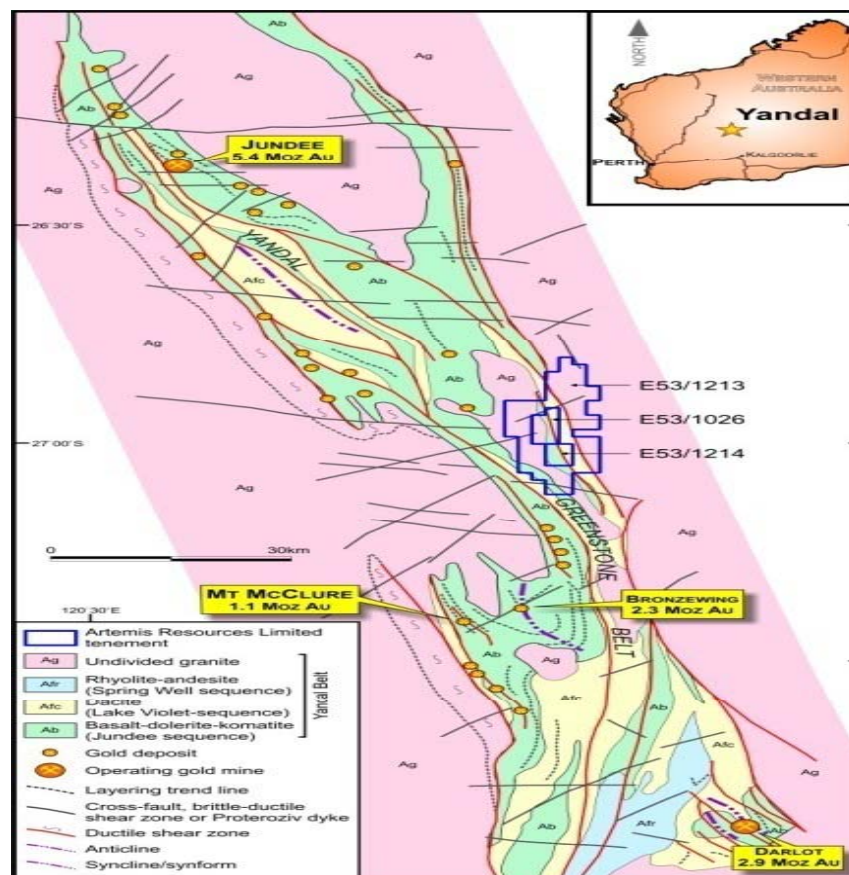


Yandal Gold Project



- The Yandal Project covers a premier position in the Yandal Belt region in the northern part of the Eastern Goldfields Province, Australia's largest gold producing region.
- The Yandal Project is located about 95km from Wiluna and covers an area of 300km². The southern boundary is 35km north of the Bronzewing and Mt McClure gold mines and 80km south-southeast of the Jundee and Nimary gold mines.
- Over 13 million ounces of gold (Moz Au) has been delineated in the Yandal Belt in a number of deposits since 1987. The largest gold deposits include Jundee (5.4 Moz Au), Bronzewing (2.3 Moz Au), Darlot (2.9 Moz Au) and Thunderbox (2.0 Moz Au).
- The Yandal Belt lies 50km east of the belt hosting some of the world's largest komatiite associated nickel sulphide deposits, including Mount Keith (2.7 Mt Ni), Perseverance (1.3 Mt Ni) and Honeymoon Well (1.1 Mt Ni).

Yandal project, location plan



Highlights



- **Artemis a diversified resource investment house**
- **Investments in exploration projects with exceptional prospects**
- **Experienced management team with success in “fast tracking” uranium project development**
- **Niger JV located in world class uranium province next door to Chinese uranium mine development (with production targeted by 2009)**
- **Strong local partnerships and looking to grow assets in Niger and internationally**
- **Niger a Uranium country which encourages exploration and development:**
 - **Two mines in production with over 30 years of continuous production history**
 - **Majors exploring include, Areva, Rio Tinto, SOMINA, Niger Uranium (ex Uramin)**

Contact Us



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