

2<sup>nd</sup> February 2020

## Exploration Licence Application

### “Locksley”

#### 1. APPLICATION LOCATION AND AREA

The “Locksley” Exploration Licence Application of 26 graticular sections is situated between Nagambie and Euroa in central Victoria.

#### 2. PROPOSED EXPLORATION WORK PROGRAM

The application area is within the Waranga Domain of the Melbourne Structural Zone and has potential for hosting disseminated gold style mineralisation associated with arsenic and antimony sulphides. Previous gravity and aeromagnetic interpretation has led to the identification of a number of targets that fit the model of gold mineralisation that is applicable to the Waranga Domain, forming the basis of the current exploration strategy of Nagambie Resources Ltd.

A review of geophysics imagery and published geology has identified areas pointing to some prospectivity within the application area.

The topography of the “Arcadia” Exploration Licence Application area consists of flat lying plains of Shepparton Formation clays and sands covering Upper Silurian Waranga Formation sediments - the prime host rock for gold mineralisation in this domain.

The principal exploration target is gold, with subordinate antimony and base metals.

The proposed exploration program is the same for both applications:

Year	Activity	Milestones
Year 1	Review of existing geochemistry data	Anomalous geochemistry noted
	Approaches to individual landholders.	Access granted, compensation agreements signed and registered
	Surface geochemical program initiated	Anomalous geochemistry fitting structures interpreted from existing geophysics imagery
Year 2	Geophysics - Induced Polarisation survey	Identification of anomalous chargeability/resistivity responses indicating potential sulphide mineralisation
	Drilling program- Aircore drilling over targets generated by IP to sample basement geochemistry and lithology.	Identification of anomalous geochemistry in basement.
Year 3	Infill and step-out Aircore drilling	Establish strike and depth extent of basement mineralisation.

Year	Activity	Milestones
Year 4	Community Engagement: Liaison with local stakeholders	All local stakeholders appraised of exploration progress and company's intentions
Year 5	RC or diamond drilling to determine target grades and extents	Target resource size and quality defined
	Community Engagement: Community meeting, and continuing engagement with individual landholders	Community updated on progress of exploration, and likely future developments

### 3. PROPOSED EXPENDITURE

Year	Activity	Expenditure "Locksley"
		Area
		26 Grats
Year 1	Data review, Landholder approaches, Geochemistry	\$20,000
Year 2	Geophysics, Aircore program	\$25,000
Year 3	Infill and step-out drilling	\$35,000
Year 4	Community Engagement meetings, advertising, planning	\$20,000
Year 5	RC/Diamond drilling, Community Engagement	\$65,000
<b>Total</b>		<b>\$165,000</b>

### 4. FIELD EXPERIENCE

The exploration program will be undertaken by various contract geologists, under supervision by geological consultant, Dr Rodney Boucher.

Rodney Boucher has a First Class Honours and PhD in structural geology and tectonics and over 20 years of exploration experience. After starting out in the petroleum industry with the South Australian government, he established Linex Pty Ltd in 1997 focussing on gold exploration in central Victoria.

Linex have consulted extensively for gold at North Ballarat, Bendigo, Ballarat East, Fosterville, St Arnaud, Lockington and across north-east Victoria and the Northern Territory. Linex has consulted for exploration for Cu-Au, base metals and IOCGU exploration in all states in addition to assisting in the first geothermal exploration in the country.

Rodney is an Honorary Associate and lectured part time at La Trobe University Bendigo, from 1997 to 2010 in Structural Geology, Geophysics, Sedimentology, Introductory Geology and Project Management. Rodney has run short courses on geotourism and assists annually with the Geology of Gold field trip at Victoria Hill in Bendigo.

He is a current state AIG Vice-Chair and a former Chair and Treasurer. He is a past state treasurer and secretary of PESA.

Nagambie Resources Ltd is an active explorer in central Victoria, with a focus on antimony-arsenic associated gold deposits in the Waranga Domain of the Melbourne Structural Zone.

## 5. CROWN LANDS

All available Crown Land to be excluded from the Application.

## 6. REPORTING DATE

The preferred reporting date is September 30<sup>th</sup>

### **Geoff Turner**

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