

# SIVIOUR GRAPHITE PROJECT



## Renascor Resources Ltd

Renascor Resources Ltd (Renascor) is a public company, listed on the Australian Securities Exchange, (ASX code: RNU). It has an extensive tenement portfolio with its principal mineral deposit interests located in South Australia.

### The Project

The Siviour project area is approximately 15 km west of Arno Bay, encompassing farm land surrounding the Driver River. Renascor proposals include a staged development, with an operation processing approximately 200,000 tonnes of graphite ore per annum, as a lead in to a larger-scale plant.

### Project schedule

<b>May 2017</b>	Scoping Study completed
<b>February 2018</b>	Downstream processing study completed
<b>March 2018</b>	Prefeasibility Study completed
<b>Mid 2018</b>	Mining Lease Proposal to be submitted
<b>Late 2018</b>	Definitive Feasibility Study to be completed
<b>Q3 2019</b>	Construction activities to commence (subject to necessary approvals)
<b>Q1 2020</b>	Mining operations to commence (subject to necessary approvals)
<b>2020</b>	Anticipated first production

### Key characteristics of the project

- One of the largest known graphite deposits in the world
- Initial capital investment of approximately \$39 million to establish the project
- Estimated construction workforce of 30
- Operational workforce of 60 staff for initial stage and approximately 110 staff for later stages.
- Low impact mining and processing operations
- 200,000 tonnes of ore to be extracted annually initially, with the potential to expand after year three
- An expected mine life of more than 30 years
- Shallow deposit – straightforward and low-cost mining

### Tenement Ownership

The Project is located within Exploration Licences 5618 and 5204 which are owned by Ausmin Development Pty Ltd (Ausmin). Renascor has the right to acquire Ausmin through an option agreement.

## The Siviour Project is a globally significant Australian Graphite Project and will contribute to powering a more efficient, sustainable future.

### Project Overview

The project will initially consist of an open cut mine supported by a processing plant to produce 22,800 tonnes graphite concentrate annually. Conventional mining equipment will be used, such as drill rigs, excavators, trucks and support equipment.

The process plant will recover graphite concentrate by using conventional processes. Ore from the mine will be crushed, ground, floated, dried and screened, before being bagged for shipment.

### Graphite

Graphite is a core component of many products that are a part of everyday life, such as building materials, lubricants, refractories, smartphones, tablets and computers. Graphite is critical to building smarter, more sustainable, power and industries as it is used in lithium-ion batteries (for every kilogram of lithium used in lithium ion batteries, 10 to 20 kg of graphite is required), electric vehicles, fuel cells, and solar energy storage and semi-conductors.

### Approvals

The environmental approvals process, under the South Australian Mining Act 1971, is underway. Renascor is currently preparing a Mining Lease Proposal which will include impact assessments on a variety of environmental matters such as:

- air quality;
- noise;
- groundwater;
- surface water;
- traffic; and
- flora and fauna.

### Benefits to the Region

The proposed project will provide local employment and business development opportunities.

The operation proposes to be residential, utilising local accommodation and employing local people wherever possible.

Once commissioned, the mine and processing plant will be operated continuously by approximately 60 on-site Renascor staff for the initial stages and 110 on-site Renascor staff for later expanded stages.

### Community

Renascor is committed to open engagement and creating benefits for stakeholders and the local community. As an employer and business operator, Renascor will create local employment and supply opportunities and plans to use a local workforce. This will maximise opportunities for the local and regional communities.

### Local Environment

The local topography is characterised by a network of gentle hills and shallow valleys. The project area is predominantly flat, with the land having been cleared for agricultural usage, predominately cropping and sheep grazing.

The Driver River runs through the project area with studies underway to better understand the local natural environment and any potential environmental impacts.



### More Information

Further information about the Siviour Graphite Project and Renascor Resources is available at [www.renascor.com.au](http://www.renascor.com.au)

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