

Quantum Graphite Limited

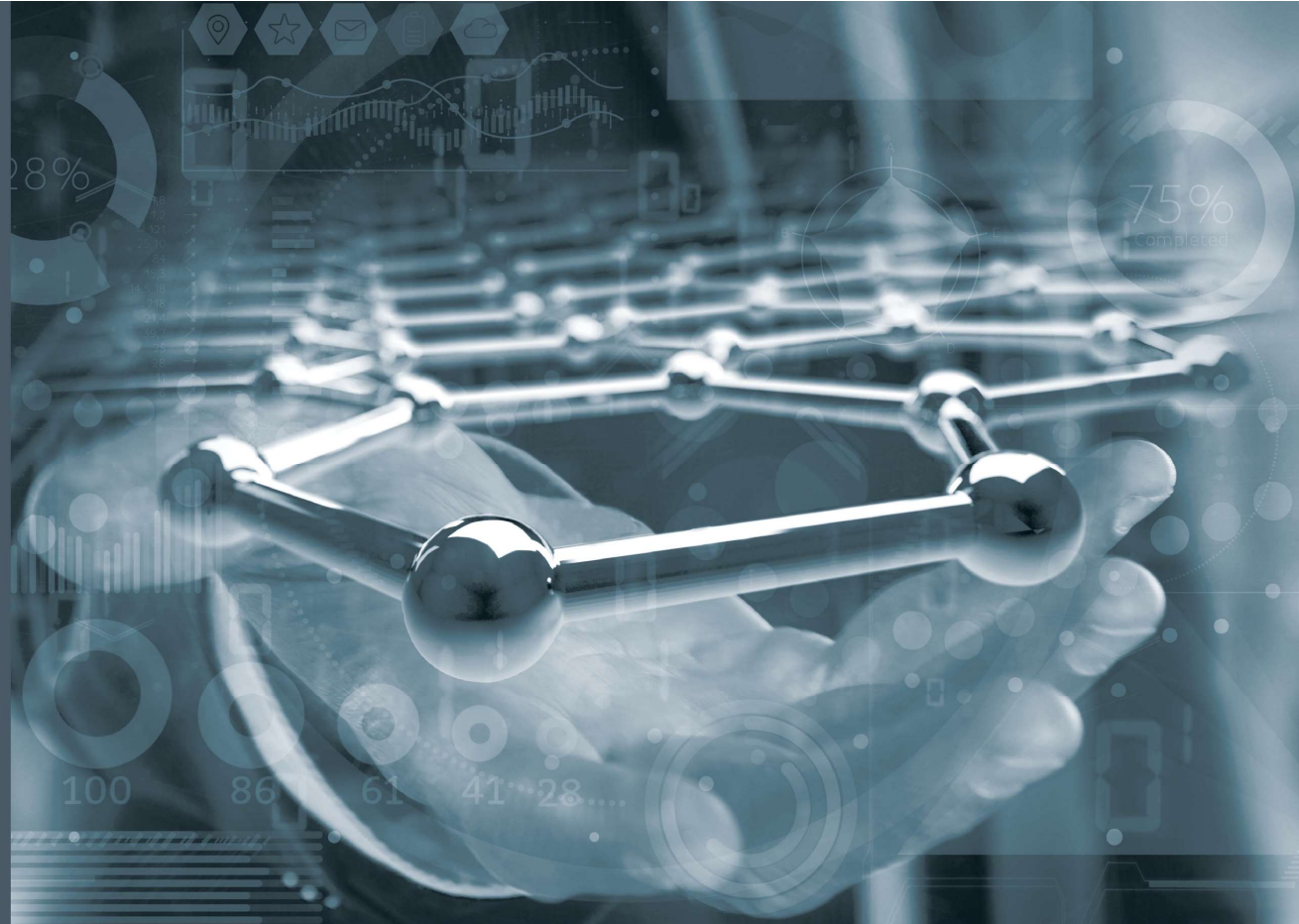


“Without graphite, you could only raise sheep in Silicon Valley”

SGL advertisement 1995

ASX: QGL

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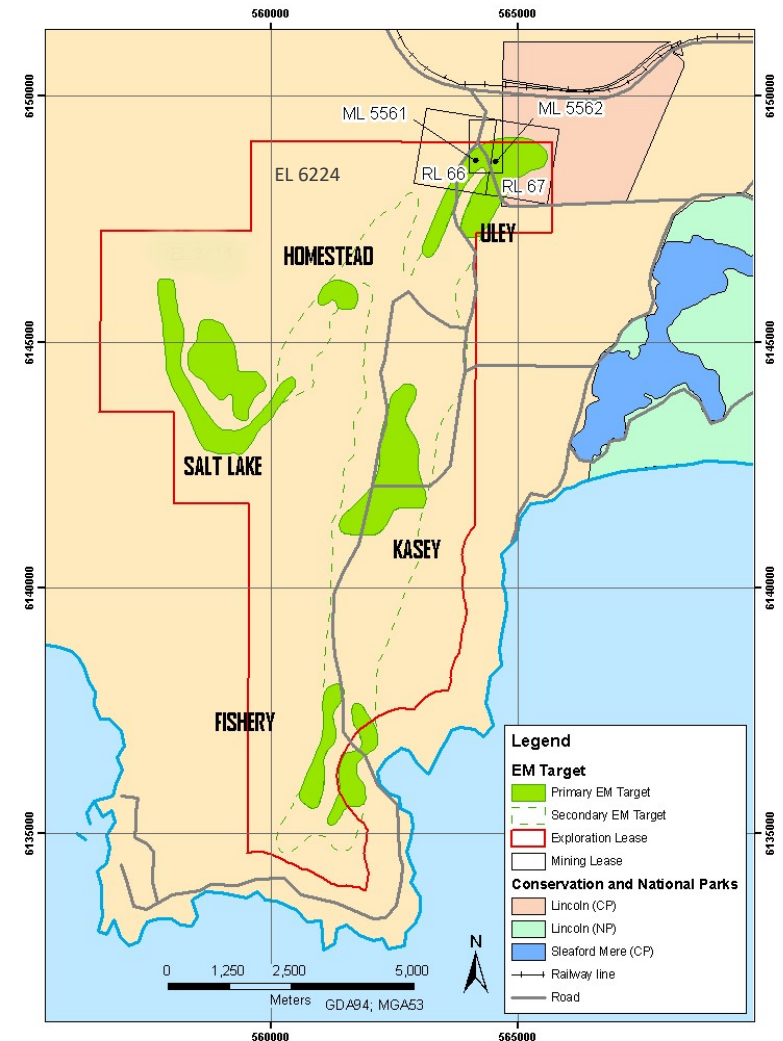


About Quantum Graphite Limited

Quantum Graphite is the ASX-listed owner of the century old Uley graphite mine and the broader Mikkira Deposit located in South Australia's Eyre Peninsula, one of the world's largest natural coarse flake graphite deposits.

Company Highlights

- Only coarse graphite company that is fully permitted and development ready (Uley 2).
- Only global flake graphite producer that has prequalified with major European and north Asian manufacturers.
- Only graphite company that has a decades long history of supplying major European and north Asian refractory manufacturers.
- Only graphite company that has an exclusive arrangement with Sunlands Co., a leading thermal energy storage technology company for the supply of graphite.
- Only graphite company that has designed and developed proprietary advanced processing technologies for the production of graphite products for the energy/renewables industry.



The Uley 2 Project Overview

Status DFS completed for Uley 2

Location Eyre Peninsula, SA; 20km west-south-west of Port Lincoln

Government approvals All approvals obtained pursuant to Program for Environment Protection and Rehabilitation

Scheduled start of operation of mine Q1 2022

Current expected mine life (first stage) 12 years

Mineral Resources or Reserves (JORC 2012) Total Mineral Resources 6.3Mt @ 11.10% TGC; Total Ore Reserves 4.0Mt @ 11.89% TGC

Planned level of production Uley 2 processing plant will produce a minimum of 55,000 tonnes of high purity coarse flake.

Processing path and methodology The plant will accept run-of-mine ore and liberate graphite particles through crushing and grinding followed by floatation and polishing sections which will be critical for enhanced flake graphite recoveries and upgrading graphite flake to maximise purity and coarse flake size

Offtake agreements in place The Sunlands Company Pty Ltd (thermal storage applications) approx. 20% of annual production.

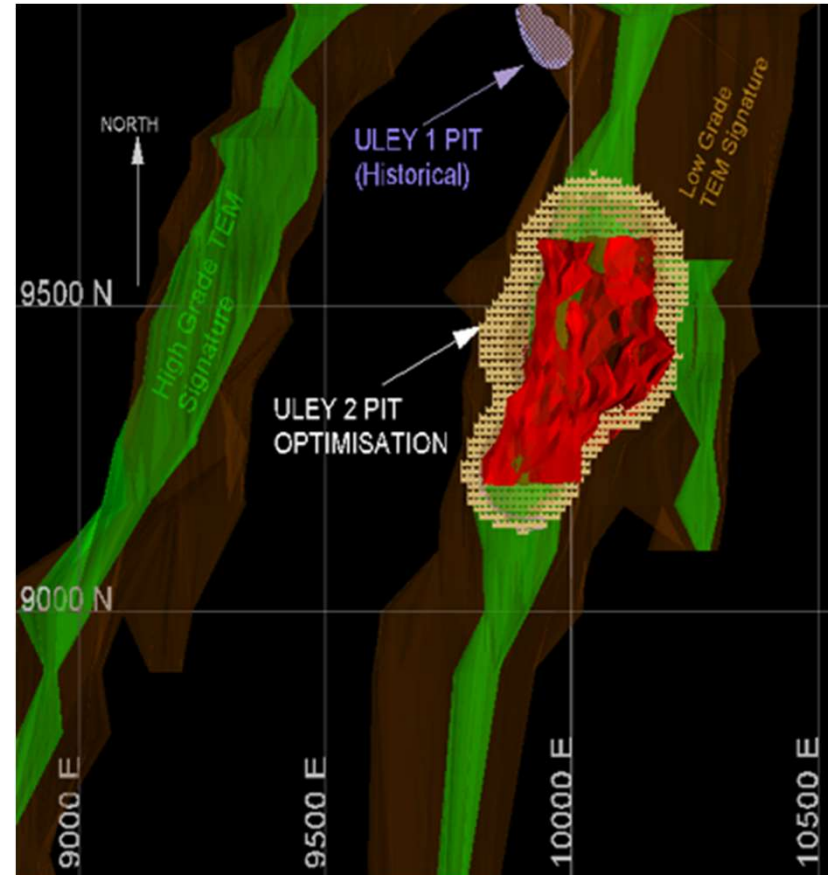


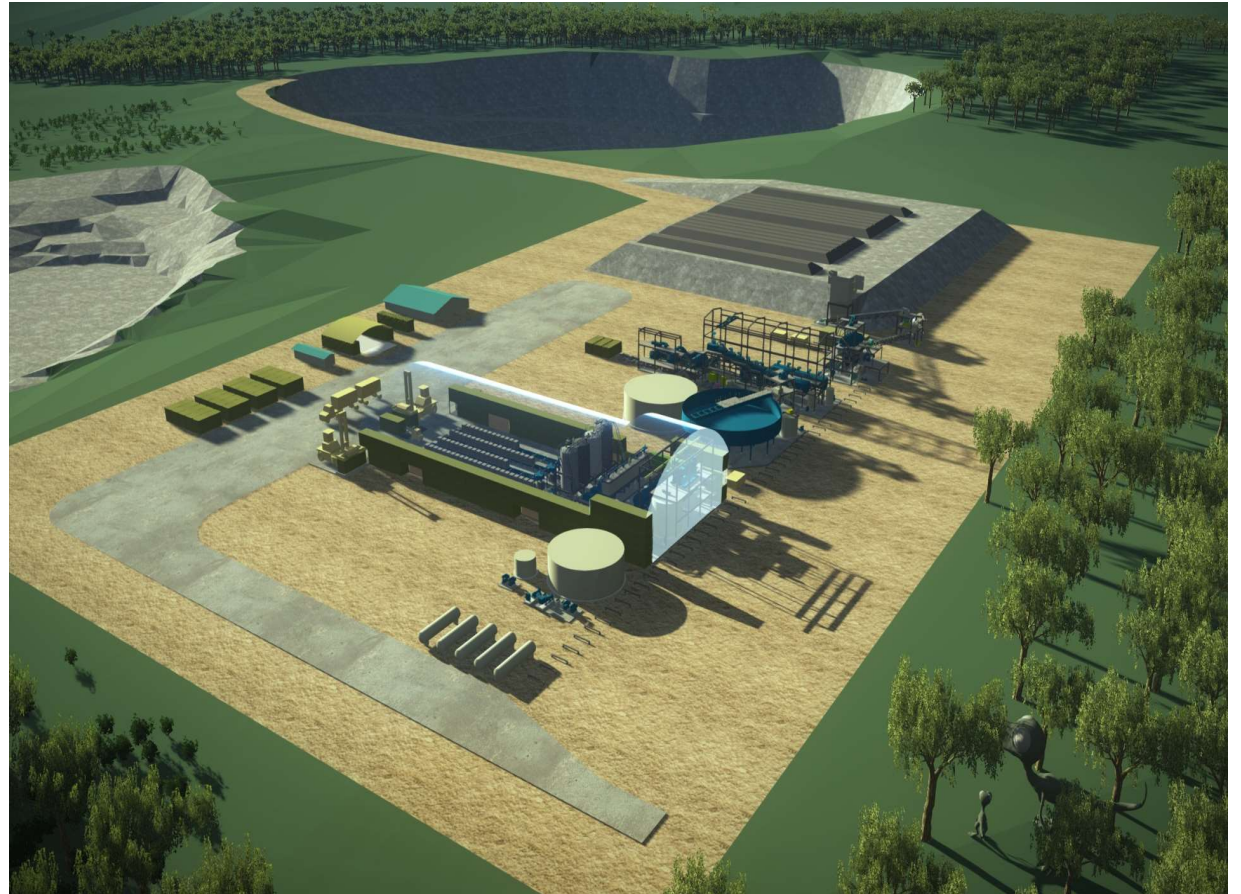
Illustration of the Uley 2 pit and surrounding (green) extensions to main Uley 2 ore body.

The Uley 2 Project Technicals

Definitive Feasibility Study (DFS) completed for the next stage of the Uley graphite mine, Uley 2. DFS financial metrics as follows.

Uley 2 Mining Study and Feasibility delivers strong financial metrics

Total undiscounted cash flow	A\$207million at a LOM TGC of 11.89%
Crusher feed	500,000 tonnes per annum
Graphitic carbon grade	11.89%
Graphitic carbon recovery	84%
Concentrate purity	>95% graphitic carbon
Capital expenditure	A\$79.98 million
Processing cost (PCAF)	A\$55.3 per tonne
Mining cost (MCAF)	A\$2.5/t milled at surface plus 5c for every 4m
Product Cost (Av LOM)	US\$368
Product Price (Ex-works)	US\$919 dmt



The Uley 2 Graphite Products

Processing path and production profile for Uley 2 will focus on ultra high purity coarse flake of approximately 55,000 tonnes per annum, details of flake is set out below.

Comprehensive met results confirm historical high quality production mix

- Medium to Extra-Large Flake - 73% of overall production of gC
- Large and Extra-Large Flake purities - 97.2%gC and 97.8%gC respectively
- Process Recoveries - > 89% gC



Size Fraction (µm)	Size Fraction (Mesh)	Approx. Weight Dist. (%)	Graphitic C Purity (%)
+300	+50	10.5	97.8
-300+150	-50+100	35.4	97.2
-150+75	-100+200	27.1	96.6
-75	-200	27.0	90.7

