



Cornish Lithium

# YOUR GUIDE TO OUR PROPOSED LITHIUM FROM GEOTHERMAL WATERS EXPLORATION PROJECT AT **BESORE, THREEMILESTONE**

*DRIVING A CLEANER FUTURE*



You are invited to join us and find out more about plans for a mineral exploration project at **Besore, Threemilestone**. This community event aims to bring residents together to learn more about our proposal to explore for lithium from geothermal waters in the area.

During the session, you will find out more about the project and how Cornish Lithium is supporting the UK's energy transition by aiming to build a secure domestic supply of lithium for electric vehicles and power storage batteries.



**THURSDAY 18TH JULY  
5-7PM**



**THREEMILESTONE  
COMMUNITY CENTRE,  
PENGELEY WAY, TR3 6DP**



**Funded by  
UK Government**

The Besore area has been identified as a potential site to explore for lithium within naturally occurring deep circulating geothermal waters. The project will help us gain an informed understanding of the sub-surface in the area which will be used to evaluate the potential for a commercial project.



**CORNWALL  
COUNCIL**  
*one and all - oves tag all*

At the event, you can find out more about how we have used historic mining, satellite and other data to identify prospective lithium deposits beneath Cornwall, and discover how we believe significant quantities of lithium rich geothermal waters can be extracted for the benefit of industry and local communities. Our team will be on hand to answer any questions.



**Council of the  
ISLES OF SCILLY**

This phase of the project will take six months to complete and will be consented via a temporary General Permitted Development Order (GPDO) for mineral exploration which will be submitted for prior approval to Cornwall Council's Mineral Planning Authority by mid-July. Once submitted full details of the exploration programme will be shared on Cornwall Council's online planning register for viewing and comment.

POWERED BY  
**LEVELLING  
UP**

As part of the UK Government's Levelling Up agenda, Cornwall and Isles of Scilly have been allocated £137 million to spend on local investment through the Shared Prosperity Fund. This project applied for and has successfully been awarded £1.39 million to accelerate the development of lithium and heat as a by-product from geothermal waters. Further details of the fund can be found at the Cornwall and Isles of Scilly Good Growth Fund website: [www.ciosgoodgrowth.com](http://www.ciosgoodgrowth.com).



Regular project update sessions will be held during the coming months.

## 1. WHO IS CORNISH LITHIUM?

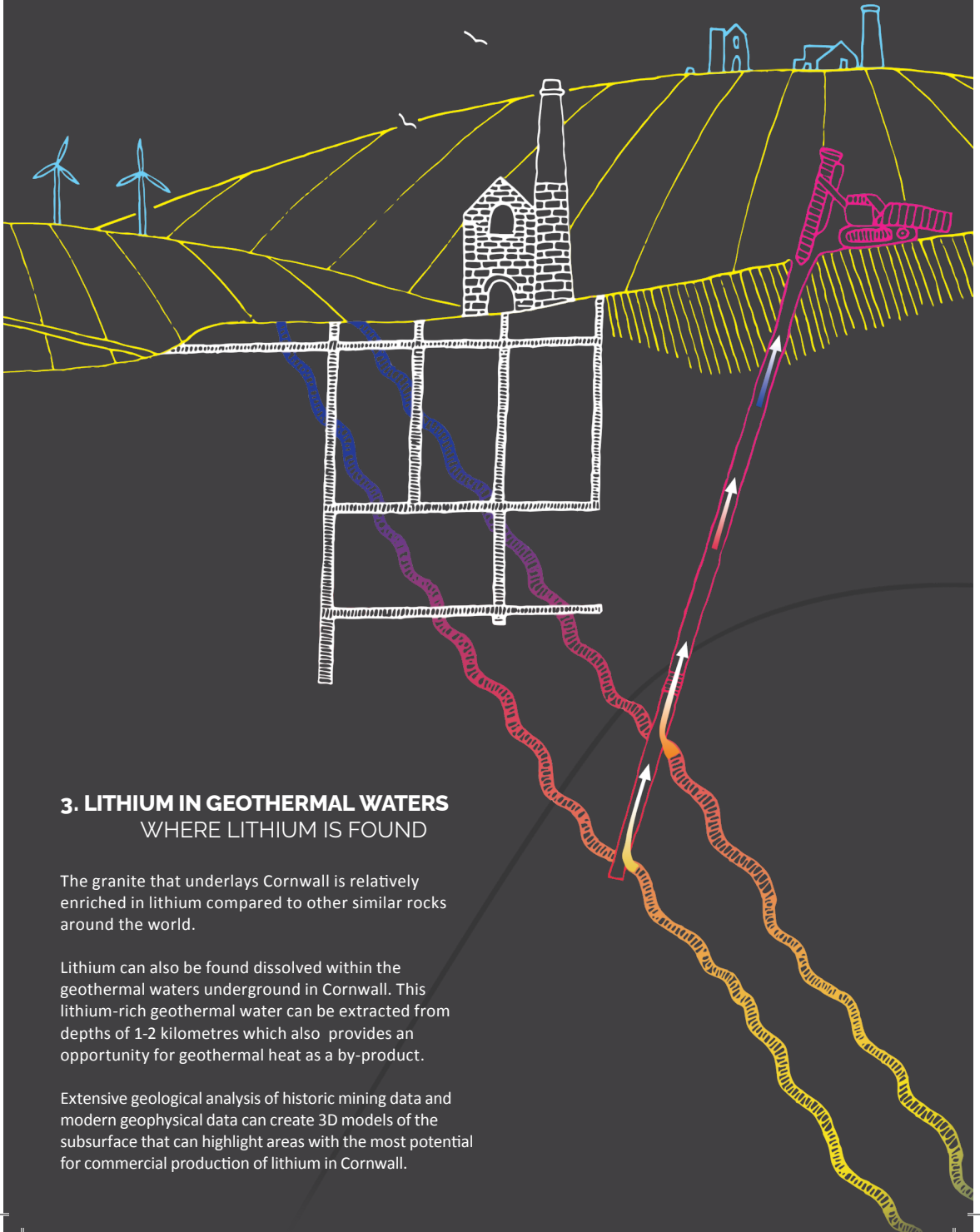
Cornish Lithium is an innovative mineral exploration and development company focused on the responsible exploration for and extraction of lithium from geothermal waters and hard rock in the historic mining districts of Cornwall.

Since 2019, we have successfully completed five similar exploration projects across the county that have provided valuable subsurface data with our sixth currently underway at Tolgus, near Redruth. We also established a pilot scale extraction plant that has tested multiple Direct Lithium Extraction (DLE) technologies at our United Downs site, near Redruth, using Cornish geothermal waters. Our geothermal lithium team is now focused on developing a demonstration scale project at Cross Lanes, near Chacewater, and expanding our exploration programme.

## 2. WHAT IS LITHIUM & WHY IT IS IMPORTANT?

Lithium is an important battery metal. It is the lightest metal and highly conductive making it ideal for batteries, electric vehicles, grid power storage, and everyday electronic devices such as laptops and smartphones.

Lithium plays an important role in the energy transition and the move away from fossil fuels. Currently, the UK sources all of its lithium from overseas, but there is great potential for Cornwall to produce lithium for the UK. Sourcing lithium in Cornwall fits in with the government's Critical Minerals and Battery Strategies to support the development of the UK's battery industry, with the associated job opportunities, together with the county's climate action plans and efforts for an energy transition.



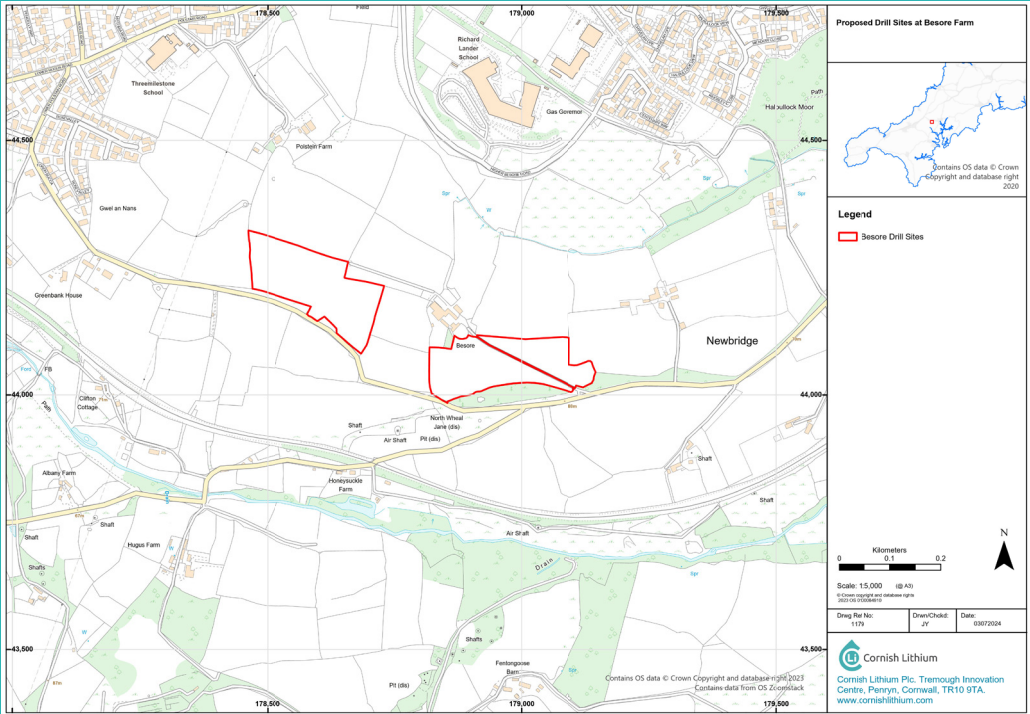
### 3. LITHIUM IN GEOTHERMAL WATERS WHERE LITHIUM IS FOUND

The granite that underlays Cornwall is relatively enriched in lithium compared to other similar rocks around the world.

Lithium can also be found dissolved within the geothermal waters underground in Cornwall. This lithium-rich geothermal water can be extracted from depths of 1-2 kilometres which also provides an opportunity for geothermal heat as a by-product.

Extensive geological analysis of historic mining data and modern geophysical data can create 3D models of the subsurface that can highlight areas with the most potential for commercial production of lithium in Cornwall.





The location of the proposed exploration site at Besore.



An aerial image of a similar exploration drill site at Cross Lanes, near Chacewater. The drill rig mast extends to 12 metres and fits on a standard lorry.

