

Cinderford Brook Project – P054

Appendix 1 – 24.06.2024

Delivery Site 1: Old Engine Brook (OEB)

Delivery Site **Blue Rock Trail**: NGR SO 65223 10892 and nearest address is Top Road, Upper Soudley, Forest of Dean, Gloucestershire GL14 2TY

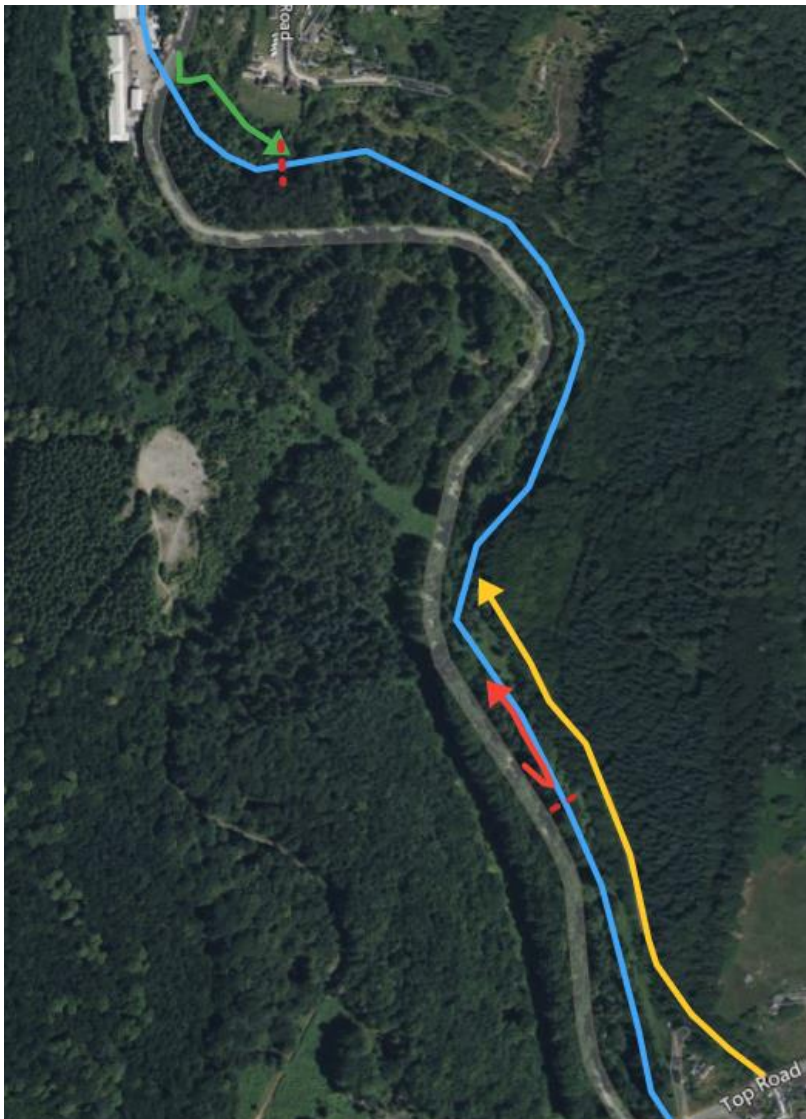


Figure 1 Map of Blue Rock Trail working area (red dotted lines at upstream and downstream), Blue Line - Cinderford Brook, and potential access into the site (Red Arrow- vehicle access from west via Forestry gate and large layby; Yellow Arrow- vehicle access from South; Green Arrow - pedestrian access only from North)

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Site Details

The work area sits within a steep wooded valley that has a long history of mine and industrial working typical of the Forest of Dean. Workings are now ceased but with the history still prevalent. This valley sits between the villages of Ruspidge and Upper Soudley.

One remnant of the mining history is a stone and brickwork lined channel (walls and bed) that runs for around 800 m. The channelised section of Cinderford Brook is a distinctive feature of the industrial heritage of the Forest of Dean, with its original purpose understood to be to reduce water loss from the brook through permeable rocks and into mine shafts whilst mining operations were active in the area. Any breaking up of the constructed channel at this point runs the risk of de-watering the brook and so designs have been created that avoid this risk. The lined channel is considered a historic feature and so stone needs to be placed in so as to avoid damaging the remaining material.

The channel has varied shape and access across the site, varying from wall height of under 1.5m to over 5 m, and with access to the edge for machinery sometimes much further away. In some places, the walls have collapsed although this is generally not the case along the path.

The best access to the site is from the South in Upper Soudley, where a footpath leads up the valley alongside the channel. Alternative plant access is found along the road at the lower end, where a large layby and forestry gate reside.

The whole site is generally public access. This could be shut off, but is accessible from multiple points, and hard to protect completely. Some sections are more secluded than others and footfall is generally low apart from typical commuting times. Planned work will need to consider this.

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Proposed Capital Works:

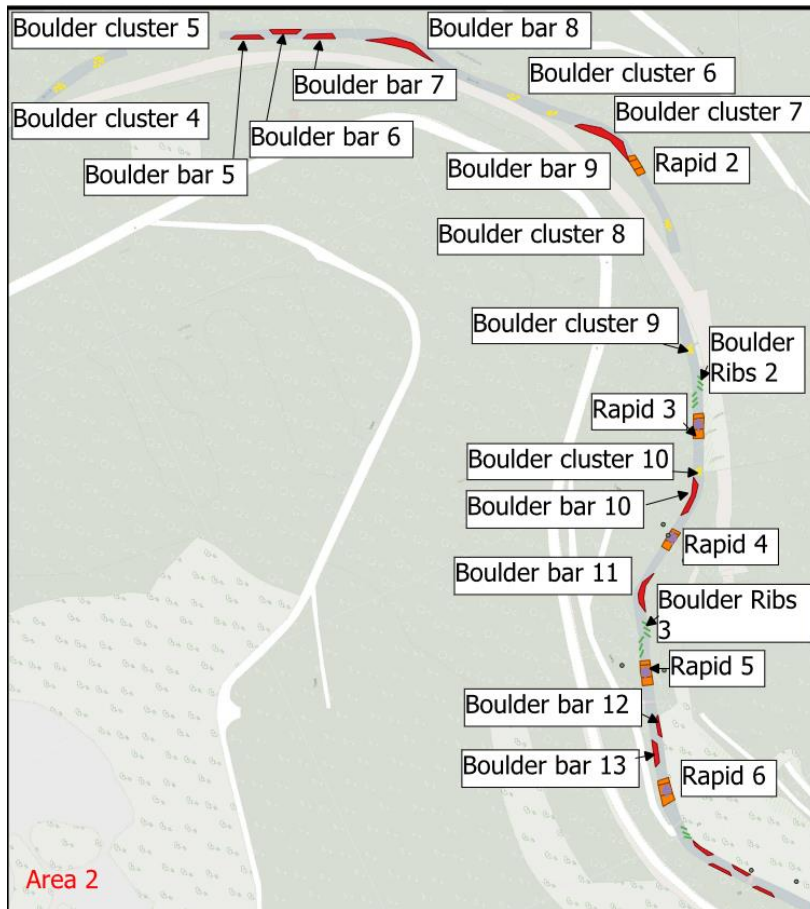


Figure 2 - Area 2 showing majority of features

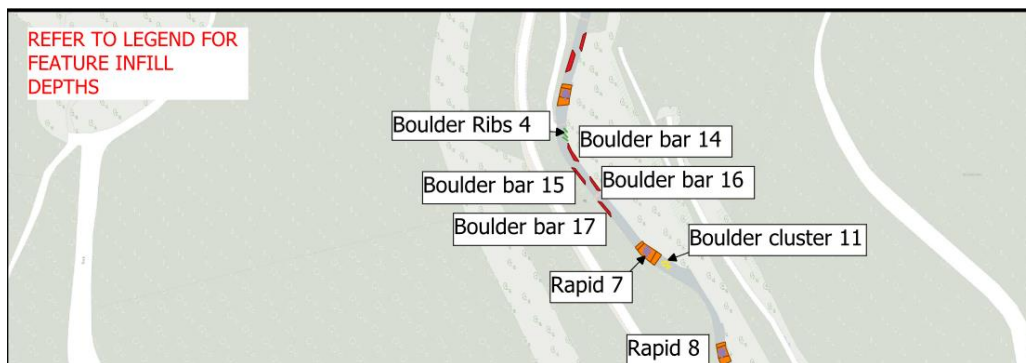


Figure 3 - Area 3 sitting just south of area 2

- 1) Delivery of essential capital works within areas 2 and 3 (excluding 3b), as set out in the design drawings (*Bluerock Restoration Design Drawings FINAL v1.1 May2024_Issued*) in consideration of the heritage assets within the site. Please clearly provided costings for areas 2 and 3 separately. Areas 2 and 3 can be split into further sub-areas as deemed suitable for quotation purposes.
- 2) Production of CDM compliant documentation, alongside adopting appropriate CDM responsibilities (Principal Contractor/Contractor).

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- 3) Working in line with the Risk Register, Designers Method Statement, Bill of Quantities and any reasonable alterations that may be required based on ground conditions.

Utilities:

A Severn Trent sewer pipe runs along the length of the site underneath the path. This may present an issue for very large machinery, and the maximum loading capacity of the pipes is being determined.

High voltage lines cross the site/watercourse perpendicularly at two points. National Grid has been contacted and working permissions will in place before works begin (a copy of the successful tenderers method statement will be required for signoff).

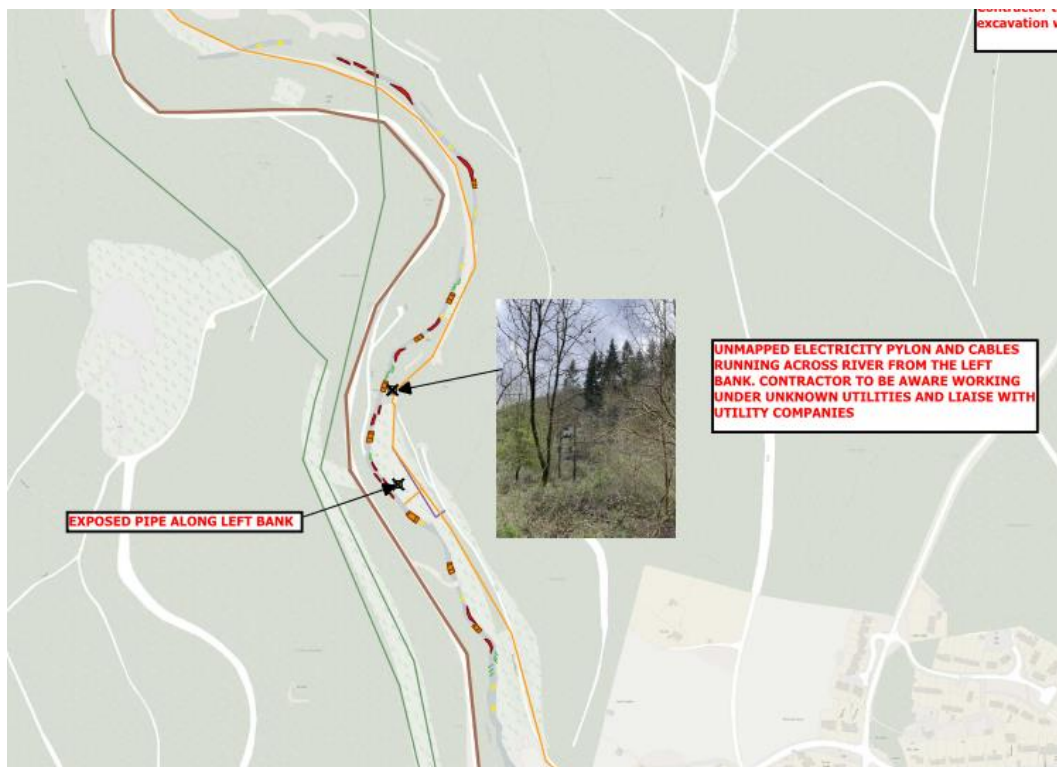


Figure 4 - Utility information for the Blue Rock Trail site – orange = sewer line, green = high voltage electricity. Some utilities have not shown up on previous searches and so caution should be taken, although no works should take place involving excavation.

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Site Images:



Figure 5 - the Blue Rock Trail channel in summer. Note the steep sided access is typical from around halfway up the proposed work area.

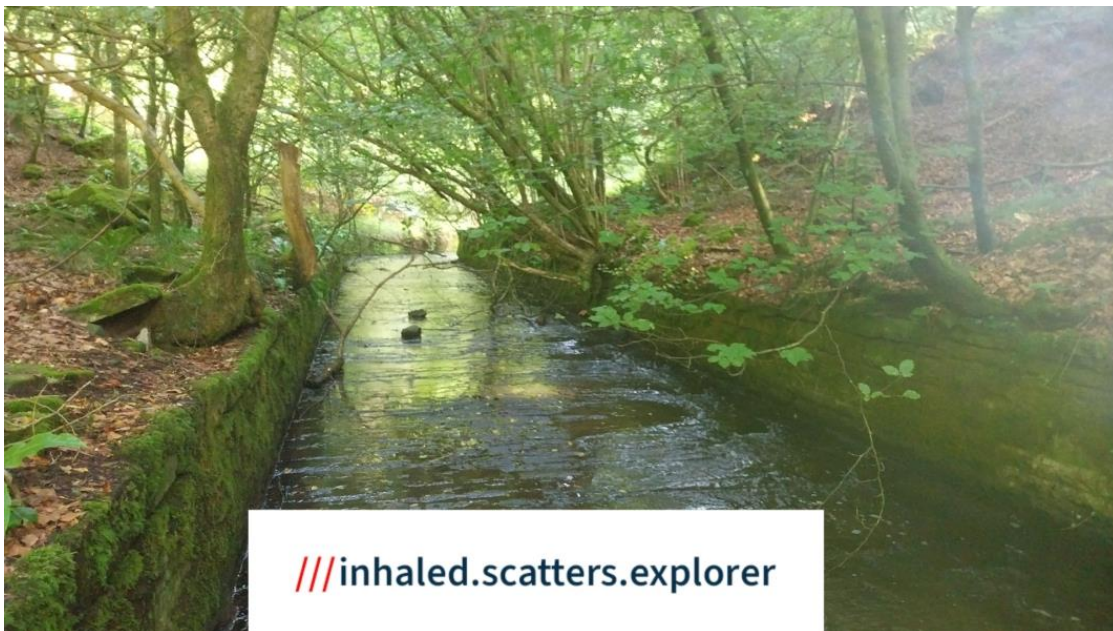


Figure 6 - Much lower and more accessible channel walls in the lower section.

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Figure 7 - Example of material deposition already occurring in some areas of the Blue Rock Trail due to wall collapse and other factors.

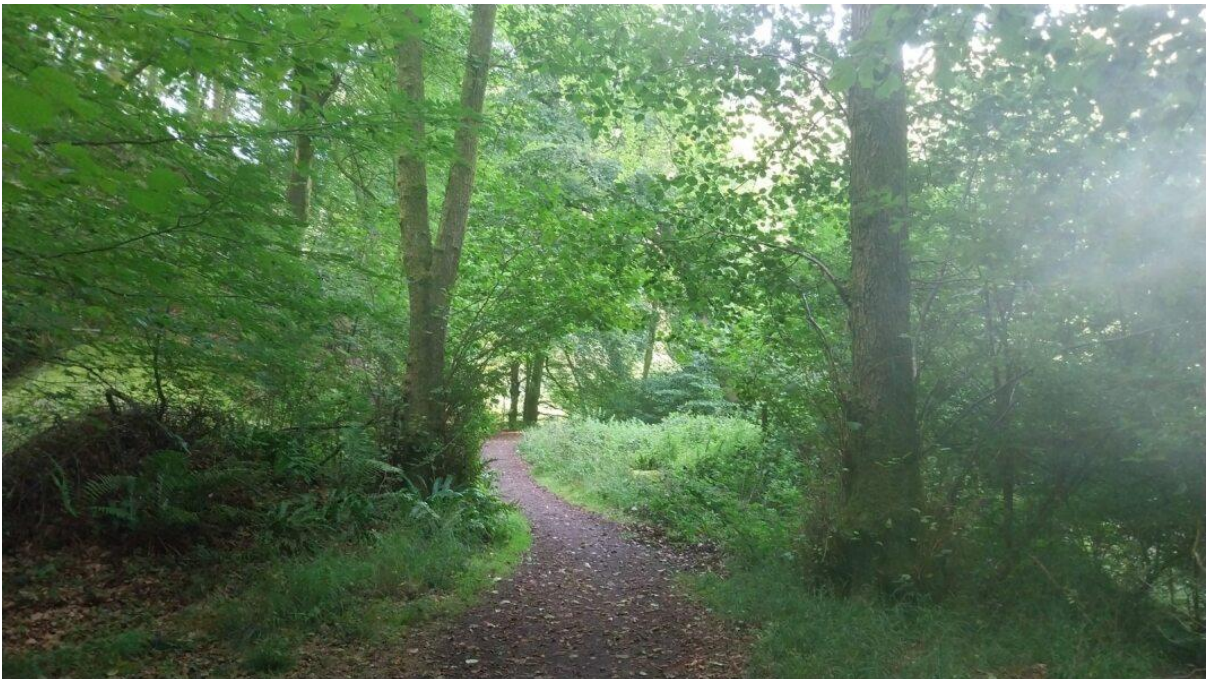


Figure 8 - Narrow point on the main path