

- 4.2.3 Once a development and track layout are finalised, an inspection should be undertaken to ascertain the potential presence of any waste materials and sampling and testing of them carried out to determine their status as part of ascertaining the environmental baseline of the site. Consideration should be given to instigating a system of pre (baseline), during and post construction water quality monitoring to demonstrate that the development does not cause water pollution, or if pollution does occur, to enable its cause to be identified and mitigation action taken.

4.3 Mining heritage

- 4.3.1 Leadhills is considered to be of national historical importance due to the extensive remains relating to the prospecting, mining, ore processing and drainage that can be attributed to mining activities dating back to the 17th Century. This significance is recognised by the presence of two Scheduled Monuments, one for the lead mines and associated remains (SM5817) and one for the historic gold workings in Shortcleugh (SM13677). Although the majority of SM5817 is to the south of the development site area, a section of the Scheduled Area at Water Head and Gripps lies within the site as does the whole of SM13677. The potential effects of the development on the features within the Scheduled Areas will require to be assessed as part of the Planning and Environmental Impact Assessment process for the development.
- 4.3.2 There are, however, a significant number of former mining features within the site area that lie outwith the Scheduled Areas. Although few of these features are catalogued on the appropriate databases of historical sites (e.g. Canmore), it is considered that there are features of archaeological interest that are likely to require investigation and recording as part of the Planning and Environmental Impact Assessment.

4.4 Mineral sterilisation and future mining

- 4.4.1 Although it is likely that resources of lead ore are present at depth, in particular where mining was not undertaken at significant depth beneath the water table, it is considered unlikely that further exploration and mining will be undertaken for base metals.
- 4.4.2 With regards to gold, the area to the northwest of Leadhills village continues to be of interest to informal gold panners but has also been the subject of several programmes for gold exploration. During the 1980's, exploration drilling was undertaken over Bulmer's Moss and although no economically significant gold grades were recorded, the exploration programme provided some positive indications for further research. More recently, there has been renewed interest in prospecting over the Leadhills area, however, any proposals will be subject to a high enough gold price to attract investment funding. Subject to further exploration being sanctioned by the land and mineral owner, it is likely that any future extraction would be dependent on proving a vein deposit of sufficient grade to justify underground mining.



- 4.4.3 Considering the potential presence of economic minerals within the site, albeit of a relatively low probability of being worked, consideration should be given to the risk that the proposed development may have on the sterilisation of such minerals. It is unlikely that impacts on informal gold panning will be significant, however, in the longer term, it is recommended that the situation with regards to a potential larger operation should be considered.
- 4.4.4 Although the proposed wind farm may preclude the development of an underground mine directly beneath the site area, there is, however, the possibility of mining being carried out beneath land adjacent to the wind farm. In this case it is considered unlikely that mining operations could affect the wind farm, although there could be the potential for the triggering of ground movement along fault zones or within areas of historic mining dependent on the mining method employed. These issues, together with other potential impacts such as ground vibration, would be addressed by the planning permission for any future mine, which would require the mining operations to take account of existing land uses in the vicinity at that time.



Appendix A Historic Mine Plans for Susanna Vein

PROPOSED RAVENGILL WIND FARM

PROPOSED RAVENGILL WIND FARM

RAVENGILL ENERGY PARK LIMITED

SLR Project No.: 413.058096.00001

16 April 2026

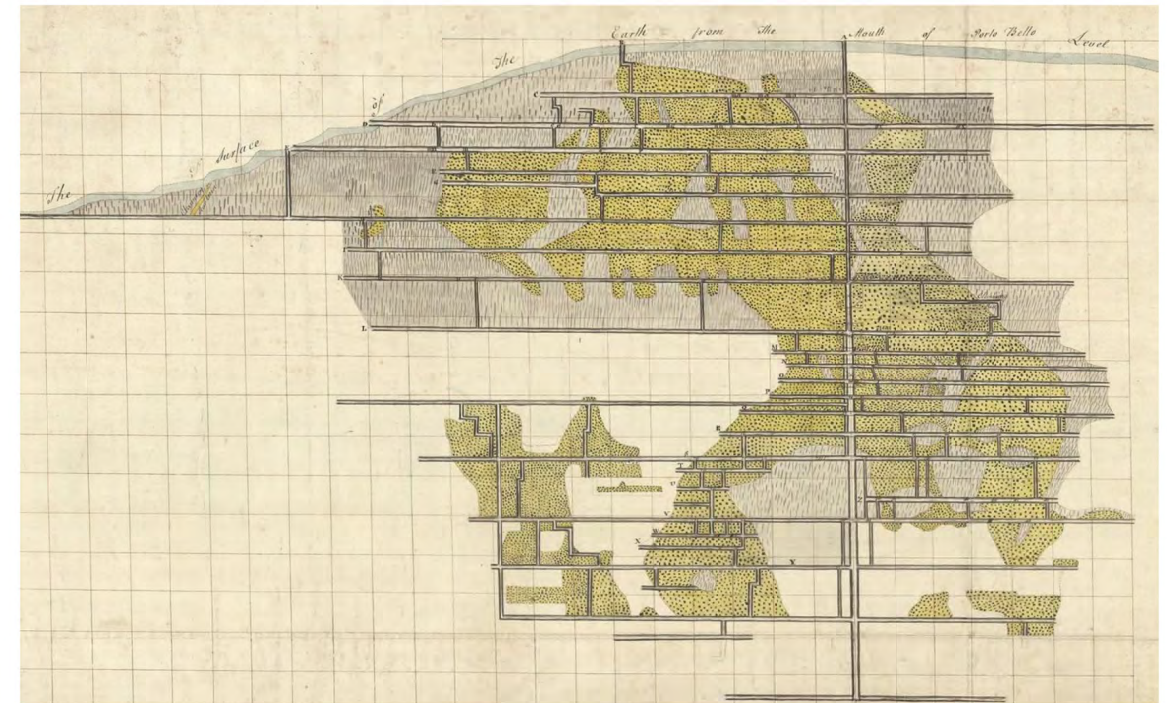
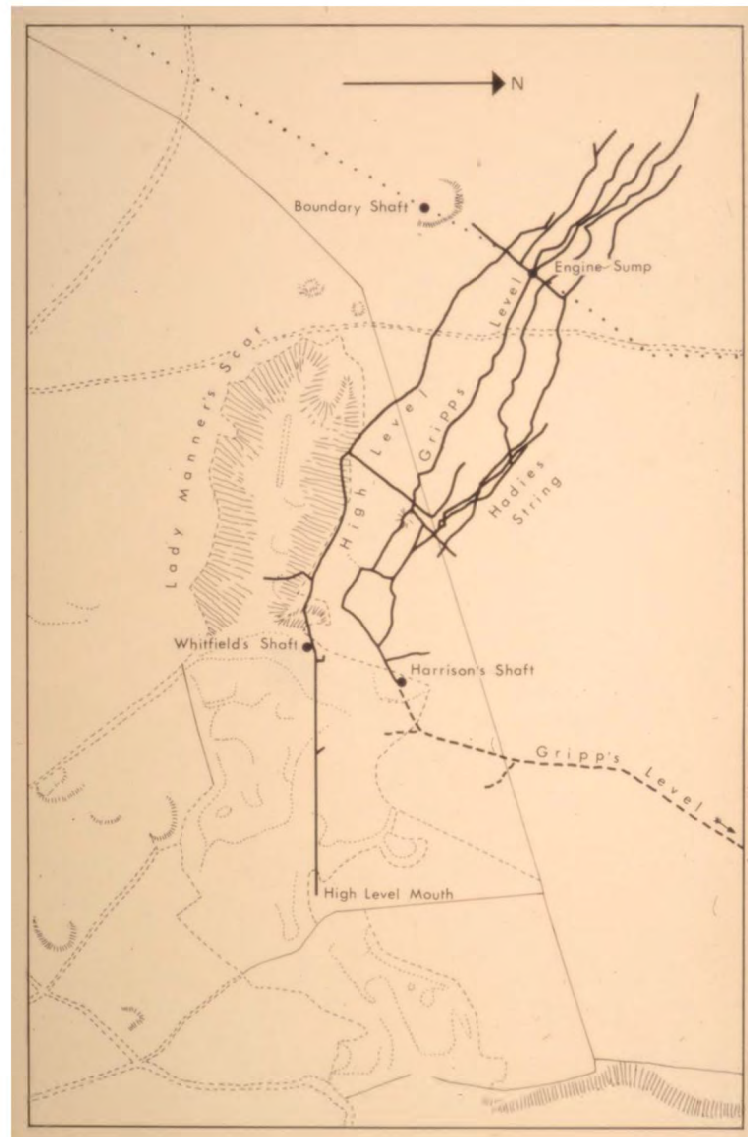


Photo 1: Longitudinal Section along Susanna Vein (dated 1788) showing workings at Boundary Shaft (courtesy of Hopetoun Estate Papers and Richard Gillanders)



**Photo 2: Interpretive plan showing recorded workings in Susanna Vein
(courtesy of Hopetoun Estate Papers and Richard Gillanders)**

Appendix B Photographs of Selected Mining Features from Site Walkover

PROPOSED RAVENGILL WIND FARM

PROPOSED RAVENGILL WIND FARM

RAVENGILL ENERGY PARK LIMITED

SLR Project No.: 413.058096.00001

16 April 2026





Photo 3: Shafts on Bulmer's Vein at Wellgrain Dod



Photo 4: Ramage's Shaft on Bulmer's Vein showing collapse crater



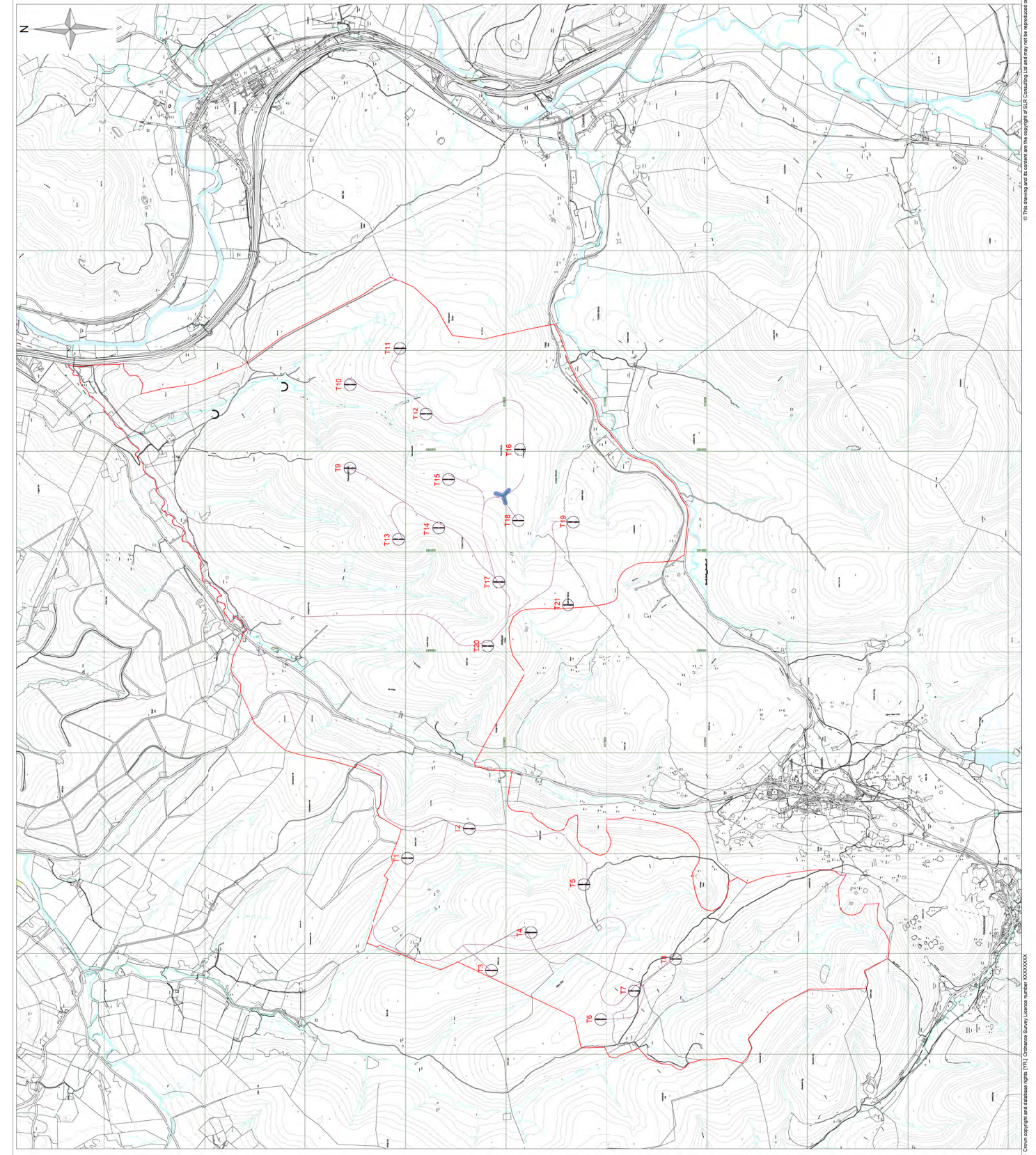
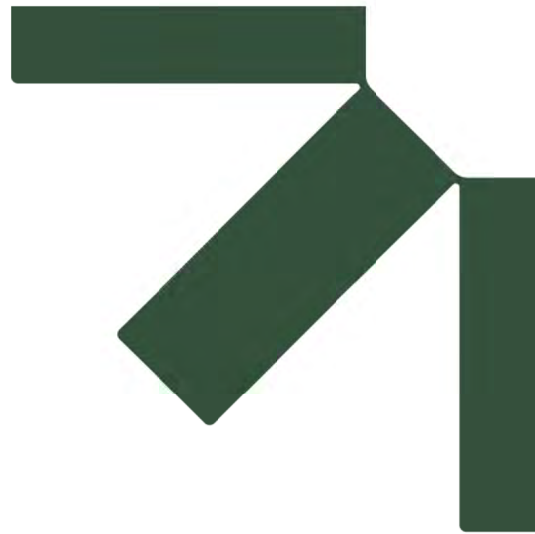
Photo 5: Spoil tip at Telfer's Shaft on Bulmer's Vein



**Photo 6: Water issuing from collapsed drainage adit on Bulmer Vein –
Overcleuch Mine**



21 April 2026



Key

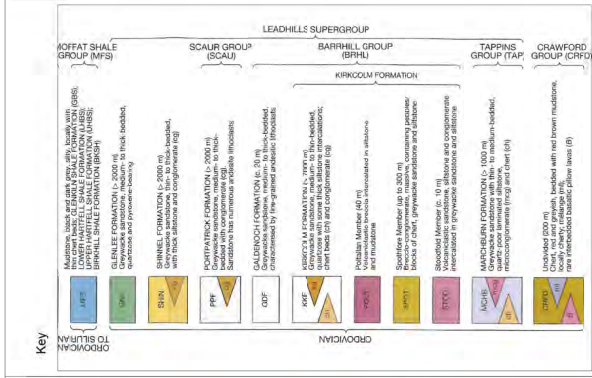
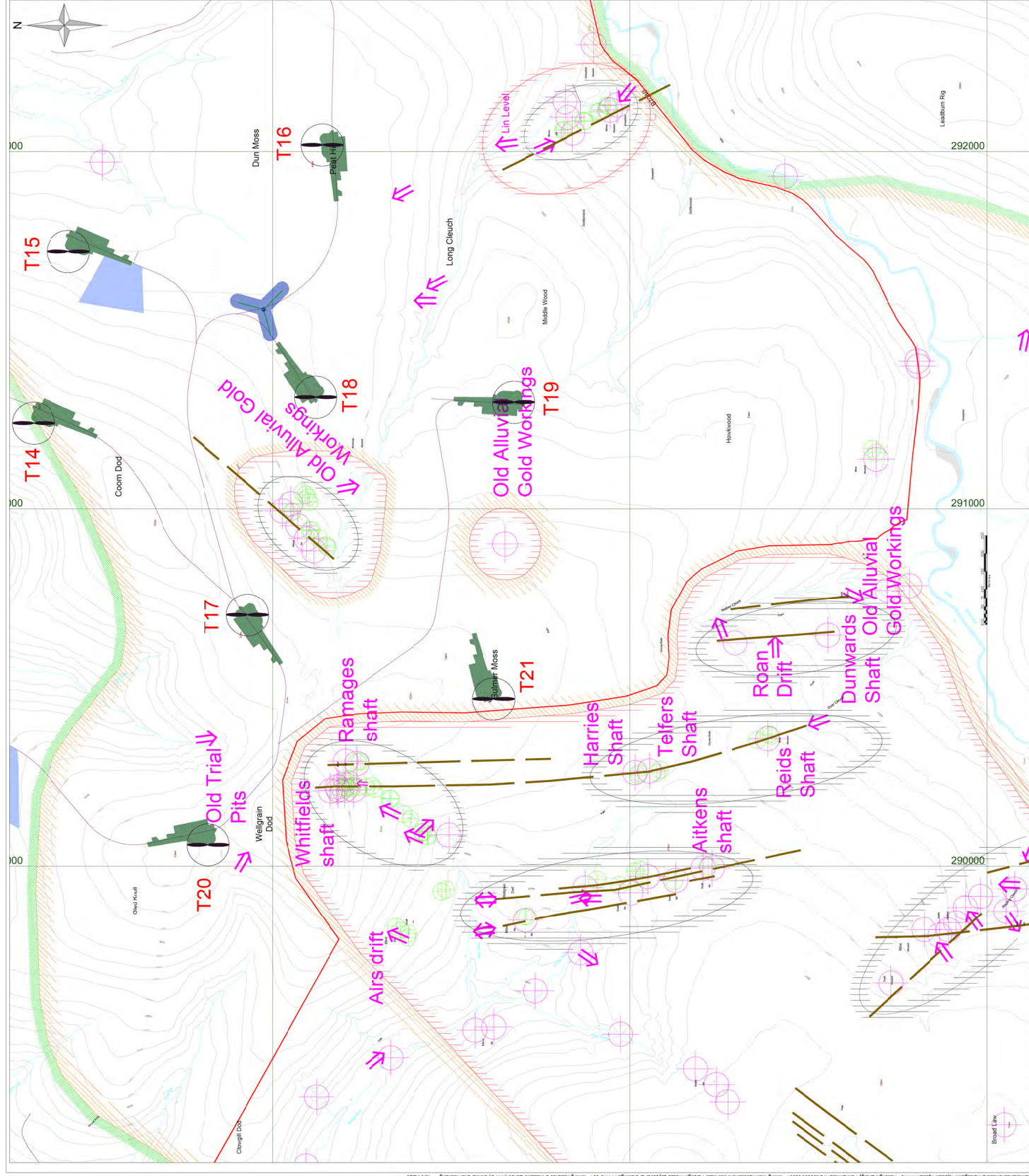
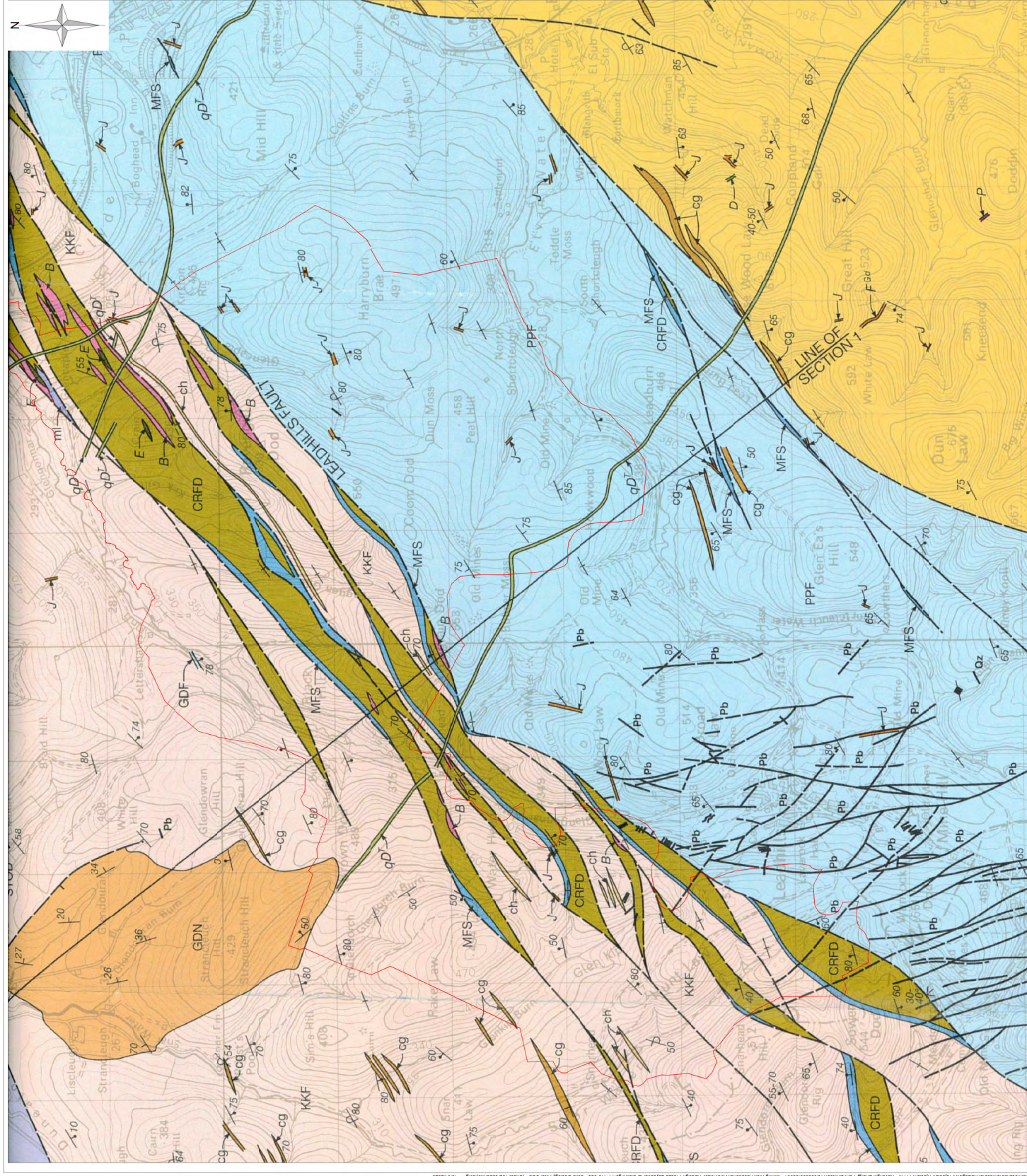
Site Boundary

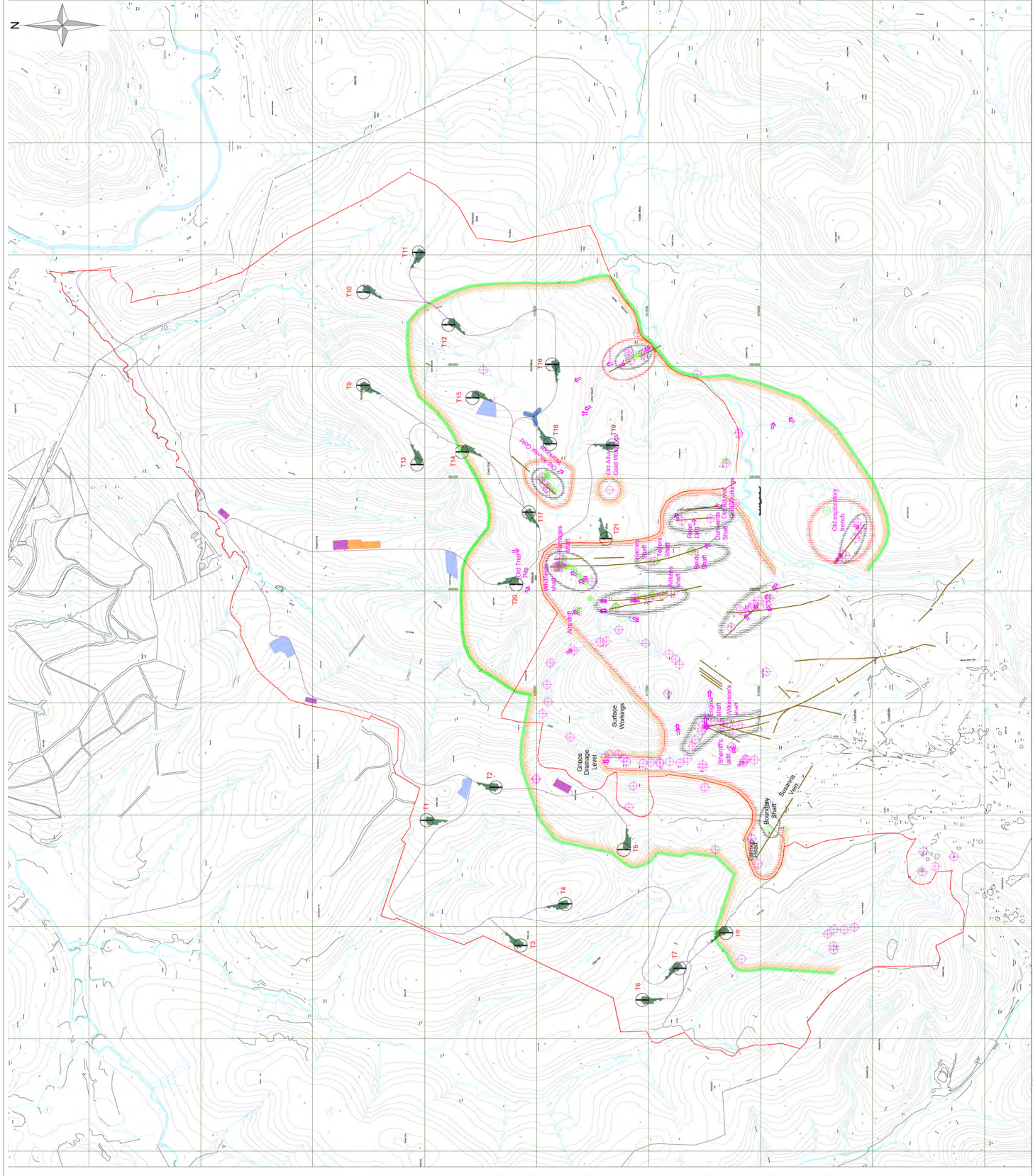
Indicative Track Centreline

Indicative turbine location

Mt Mast Location

P01	FIRST DRAFT FOR DISCUSSION	18/04/26	ZF	MD	MD						
Rev	Amendments	Date	By	Ck	AUTH	SUBMITTAL CODE					





Key

Site Boundary

Proposed Substation

Indicative Construction Compound

Indicative Hardstanding Envelope

Borrow Pit Search Area

Indicative Track Centreline

Mineral Vein (from BGS)

Shaft from archive research

Adit from archive research

Location of mining feature from site walkover

Indicative turbine location

Met Mast Location

Mining instability assessment zone:

Black

Red

Amber

Green

P01 FIRST DRAFT FOR DISCUSSION

Rev: Amendments

Date: 16/04/26

By: ZF

MD

CHK: Auth

SLR

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PRELIMINARY

Client: Ravengill Energy Park Limited

Project: Ravengill Energy Park

Drawing Title: Mining Features & Instability Zones (R-A-G) - Whole Site

Scale: 1:32000 @ A3

SLR Project No: 413.058096.00001

Drawn: ZF

Checked: MD

Approved: MD

Date: 14/04/26

Date: 16/04/26

Date: 16/04/26

Drawing Number: 005

Rev: P01

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