



## **Rivelin Catchment (Moscar South) Works – Package 3**

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## I. WORKS QUANTITIES

The works on the Rivelin Catchment (Moscar South) site consist of 1 package of work. Tenders will only be accepted that offer to deliver the whole works detailed in this works package.

Table 1 below identifies the quantity of work to be delivered for package 1. Detailed requirements of the works package can be found in section 3. Works site and lift site information can be found in sections 4 and 5. Works maps can be found in section 6. Photos can be found in section 7.

Table 1 Works Quantities Package 3

Treatment & Unit	Unit	Delivery Year	Package 1 (Quantity)
<b>Marshal Airlift of Brash</b>	Bag	2023-24	400
<b>Heather Brash - Spreading on bare peat</b>	Bag	2023-24	30
<b>Heather Brash - Spreading on reprofiled gully sides</b>	Bag	2023-24	370
<b>Reprofiling of gully sides</b>	Metre	2023-24	2745
<b>Application of Initial Lime, Seed &amp; Fertiliser</b>	Bag	2023-24	400
<b>Application of maintenance Lime, Seed &amp; Fertiliser</b>	Bag	2024	400
<b>Grip/Gully Blocking: Stone</b>	Dam unit (750kg)	2023-24	356 units (306 dams)
<b>Grip/Gully Blocking: Peat</b>	Dam unit	2023-24	262
<b>Grip/Gully Blocking: Timber</b>	Dam unit	2023-24	32
<b>Vascular plug planting into reprofiled gully sides (10,000 plugs/ha)</b>	ha	2024	1 (10,000 plugs)
<b>Sphagnum planting (standard rate 1250 plugs/ha)</b>	ha (plugs)	2024	46 (57500 plugs)

## 2. WORKS DATES & PROGRAMME

### 2.1. Start Date:

1 November 2023

## 2.2. End Date

30 November 2024

## 2.3. Restricted Dates

There may be some dates where access to the works site is not possible due to shooting activities.

## 2.4. Works Phasing

Table 1 below provides suggested outline phasing/timing of the different works elements. These are based on completing the works within the dates stipulated in section 2.1, 2.2 and 2.3. The Contractor is required to provide their proposed detailed programme for the works as part of the tender.

Table 2 Suggested Outline Works Phasing

Year	Period	Works element
2023-2024	1 <sup>st</sup> October 2023 to 31 <sup>st</sup> March 2024	Marshal Airlift of Heather Brash
		Supply of Gully Blocking Stone
		Airlifting of Heather Brash, Gully Blocking Timber and Gully Blocking Stone
		Installation of Stone Dams
		Reprofiling of gully systems
		Spreading of Heather Brash
		Installation of Timber Dams
		Installation of Peat Dams
	March 2024	Application of Initial Lime, Seed and Fertiliser
2024	15 <sup>th</sup> August 2024 to 30 November 2024	Application of Maintenance Lime and Fertiliser
		Vascular Plug planting into reprofiled slopes
		Sphagnum planting

## 3. WORKS REQUIREMENTS – PACKAGE I

Information on the works required to be delivered by the contractor is provided below. Standard works specifications can be found in **Appendix 4**. Any site specific or works package specific requirements are stated below.

### 3.1. Materials supply – Stone Gully Blocking

The contractor will be required to supply a total of **356 stone dam units (267 tonnes of gully blocking stone)** for the works. The contractor must deliver the gully blocking stone to Stanedge Lodge Lift Site. The location of Stanedge Lodge Lift Site is identified in the works maps in Section 6. Access to the Stanedge Lodge Lift Site is along a track. There is a cattle grid where the access narrows between two stone posts. Inside these posts there are wooden posts which may need to be removed and reinstated at the end of the works (width between wooden posts is 2.84m). The Maps and Photos of the access route to Stanedge Lodge Lift Site can be viewed in Section 6.

The Tenderer must account in their costs for the volume of stone.

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The Tenderer should also consider the available access to Stanedge Lodge Lift Site and outline in their tender return, their proposed method for delivering stone to the Lift Site.

### **3.2. Materials supply – Timber Dams**

The contractor will be required to supply timber for 32 timber dams, including 14 that are wider than 2m, and 18 that are 2m or less.

### **3.3. Materials supply – Heather Brash**

Supply of heather brash will be contracted separately. Bags of brash will be cut in the cutting areas shown on the maps. If all the brash cannot be cut from these areas then the brash will be delivered to the lift site by the Authority's cutting contractor and laid out in an upright manor.

### **3.4. Preparation of materials for aerial load lifting**

The Contractor is required to sort the Materials into loads for transportation to the Works Sites by aerial load lift. It is the Contractor's responsibility to ensure that the means of sorting the Materials into loads and the transportation of loads are suitable and safe. The Contractor is responsible for supplying all Equipment (except airlifting strops) and Machinery required for preparing the loads for transport. For the aerial load lifting of stone, the Authority anticipates that this will require the Contractor to provide a telehandler or excavator to load gully blocking stone (750kg per load) into skips provided by the Authority's aerial works contractor.

Materials that will require preparation for airlifting are as follows:

- Stone (for gully blocking)
- Timber (for gully blocking)
- Brash (from cutting site)

### **3.5. Marshalling of Aerial Load Lifting & material deliveries**

The contractor will be responsible for all marshalling of Aerial Load Lifting and material deliveries at the lift sites and works sites. It is the Contractor's responsibility to plan and mark out the Drop Locations for the loads of Materials at the Works Sites. The Contractor must supply all materials for marking out the Drop Locations.

The Contractor must ensure that any means of transporting the Materials is an efficient operation. It is the responsibility of the Contractor to ensure that it has all the required Equipment and Machinery and personnel to satisfactorily complete the Works.

The Contractor is responsible for Marshalling and will provide sufficient personnel to Marshal each load at the Drop Site and at the Lift Site. The Contractor will also provide sufficient personnel to Marshal members of the public at the Drop Site and at the Lift Site.

The public footpath along the Conduit, and nearby footpaths, may require marshalling during the aerial load lifting of brash to the site, depending on where cutting takes place.

Please refer to the main Tender "MFF 147 2023-2024" for detailed information on marshalling requirements.

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### **3.6. Spreading of Heather Brash & Installation of Stone Dams and Timber Dams**

The contractor will be required to spread **30 bags** of heather brash on bare peat areas at the works sites and **370 bags** of heather brash on reprofiled gully sides. The contractor will be required to install & construct 306 dams made up of **356 stone dam units** at the works sites. The contractor will be required to construct **32 timber dam** units at the works sites

### **3.7. Reprofiling of eroding gully sides**

The contractor will be required to reprofile **2745 metres** of eroding gully sides. The height of the gullies proposed to be reprofiled varies between 40cm and 300cm, with the average height being 160cm.

### **3.8. Construction of peat dams**

The contractor will be required to construct **262 peat dams**. The width of the proposed dams is between 20 and 400cm.

### **3.9. Application of lime, seed & fertiliser**

The contractor will be required to take delivery of and store initial lime, seed and fertiliser and maintenance lime and fertiliser for the works. The contractor will be required to transport the lime, seed and fertiliser on to the works site (terrestrially) and apply the materials by hand to the bare peat areas. This must occur during March only. All Equipment and Machinery accessing the Work Site must be low ground pressure (<3 psi).

### **3.10. Planting of Sphagnum Moss Plug Plants**

The Contractor will be required to take delivery of, appropriately store and plant 57,500 Sphagnum moss plugs. The Contractor will be required to transport the Sphagnum Moss Plugs on to the works site. (The supply of sphagnum will be provided by the Authority)  
The Contractor will be required to plant the Sphagnum moss plugs at a density of 1250 plugs per hectare to standard MFFP planting specification.

### **3.11. Planting of vascular plug plants**

The Contractor will be required to take delivery of, appropriately store and plant 10,000 Vascular Plug Plants. The contractor will be required to transport the Vascular Plug Plants on to the works site. The Authority will supply the plug plants.

### **3.12. Removal of waste materials from the works site**

The contractor will be responsible for preparing empty Bags and Waste Materials for removal from the Works Site. All Bags and Waste Materials shall be secured as per the methodology set out in Preparing Bags for removal by underslung load in **Appendix 4** Works Specification. If Waste Materials are not secured and become wind blown, the Contractor shall retrieve and secure all wind blown Materials at their expense. It is anticipated that the Authority will airlift the prepared empty Bags off the moor and back to the Lift Site. The Contractor must then arrange collection and recycling (where possible) of all empty Bags from the Lift Site.

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**3.13. Temporary Trackway**

The Contractor will be required to supply and install temporary trackway at the lift site. Approximately 120 linear metres, plus a 20mx20m area of trackway will be required at the lift site, for a period of approximately ten weeks.

**3.14. Traffic management**

No traffic management will be required

**4. WORKS SITE DETAILS.**

**4.1. Work Site Name:**

Rivelin Water Treatment Catchment, Moscar South Estate

**4.2. Description of Works Site location:**

Moscar South Estate is located in the Peak District National Park west of Sheffield.

**4.3. Specified Access Points/Routes:**

The works site can be accessed on foot, part way by 4x4 and by machine from the A57 opposite Moscar Lodge. A key is needed to get through the gate at this access point. Pedestrian access to the site is available from the public footpath along Stanage Edge.

**4.4. Access Restrictions:**

There may be some dates where access to the works site is not possible due to shooting activities.

**4.5. Public Rights of Way / Footpaths:**

The public footpath along The Conduit, and nearby footpaths, may require marshalling during the aerial load lifting of brash, depending on where brash is harvested.

**4.6. Vehicles allowed on Works Site:**

All Equipment and Machinery accessing the Work Site must be low ground pressure (<3 psi).

**4.7. Livestock:**

Sheep graze the Work Site seasonally. The contractor must ensure their works do not allow sheep to escape.

**4.8. Hazards associated with the Works Site:**

There may be some dates where access to the works site is not possible due to shooting activities.

**4.9. SSSI**

The site is located within the Dark Peak SSSI. SSSI Consent/Assent will be arranged by MFFP in co-ordination with Yorkshire Water. No works shall commence prior to confirmation from MFFP that SSSI consent/assent has been granted.

**4.10. Scheduled Ancient Monuments and other Archaeology**

Based on previous engagement with the PDNPA cultural heritage team, a number of features of archaeological/historical interest are considered to be present at the site. These locations should be avoided during machine tracking and excavation works.



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- Three scheduled ancient monuments have been identified on the site. These are two cairns at Crow Chin, at SK 22474 85638, Redmires First World War Training Area at SK2532985827 and Stone circle on Ash Cabin Flat at SK 26931 86251
  - A series of Grouse Bowls along Stanage Edge
  - Coal workings with a centre at SK 23275 85671 (and nearby with a centre at SK 23760 85470)
  - Areas of grouse bowls and cairnfield and terrace in the heather cutting area

## **5. LIFT SITE DETAILS**

### **5.1. Lift Site Name:**

Stanedge Lodge Lift Site

### **5.2. Description of Lift Site location:**

Grid reference SK 24304 84873. This is shown in the maps in section 6 and the photos in section 7. The lift site comprises an area of rough grassland.

### **5.3. Specified Access points/routes:**

The lift site can be accessed via a stone track off Redmires Road near Redmires Reservoir. The location of Stanedge Lodge Lift Site is identified in the works maps in Section 6. Access to the Stanedge Lodge Lift Site is along a track. There is a cattle grid where the access narrows between two stone posts. Inside these posts there are wooden posts which may need to be removed and reinstated at the end of the works. The Maps of the access route to the Lift Site can be found in Section 6 and Photos can be viewed in Section 7.

### **5.4. Access Restrictions:**

There may be some dates where access to the works site is not possible due to shooting activities.

### **5.5. Lift Site Surface/ Temporary Trackway Requirements:**

Temporary trackway is required, as detailed in Section 3.10.

### **5.6. Public Rights of Way / Footpaths:**

There are no public rights of way at the lift site

### **5.7. Vehicles allowed on Lift Sites:**

Temporary storage of vehicles at the Lift Site is permitted. Fuels must not be stored at the lift site.

### **5.8. Hazards associated with the Lift Sites:**

There may be some dates where access to the Lift Site is not possible due to shooting activities.

### **5.9. SSSI:**

The Lift Site is located on a SSSI

### **5.10. Storage of Materials allowed at lift site:**

Storage of materials is permitted at the lift site

### **5.11. Helicopter refuelling permitted:**

Helicopter refuelling is permitted at the lift site

5.12. Traffic management required:  
Traffic management is not required

**6. WORKS MAPS**

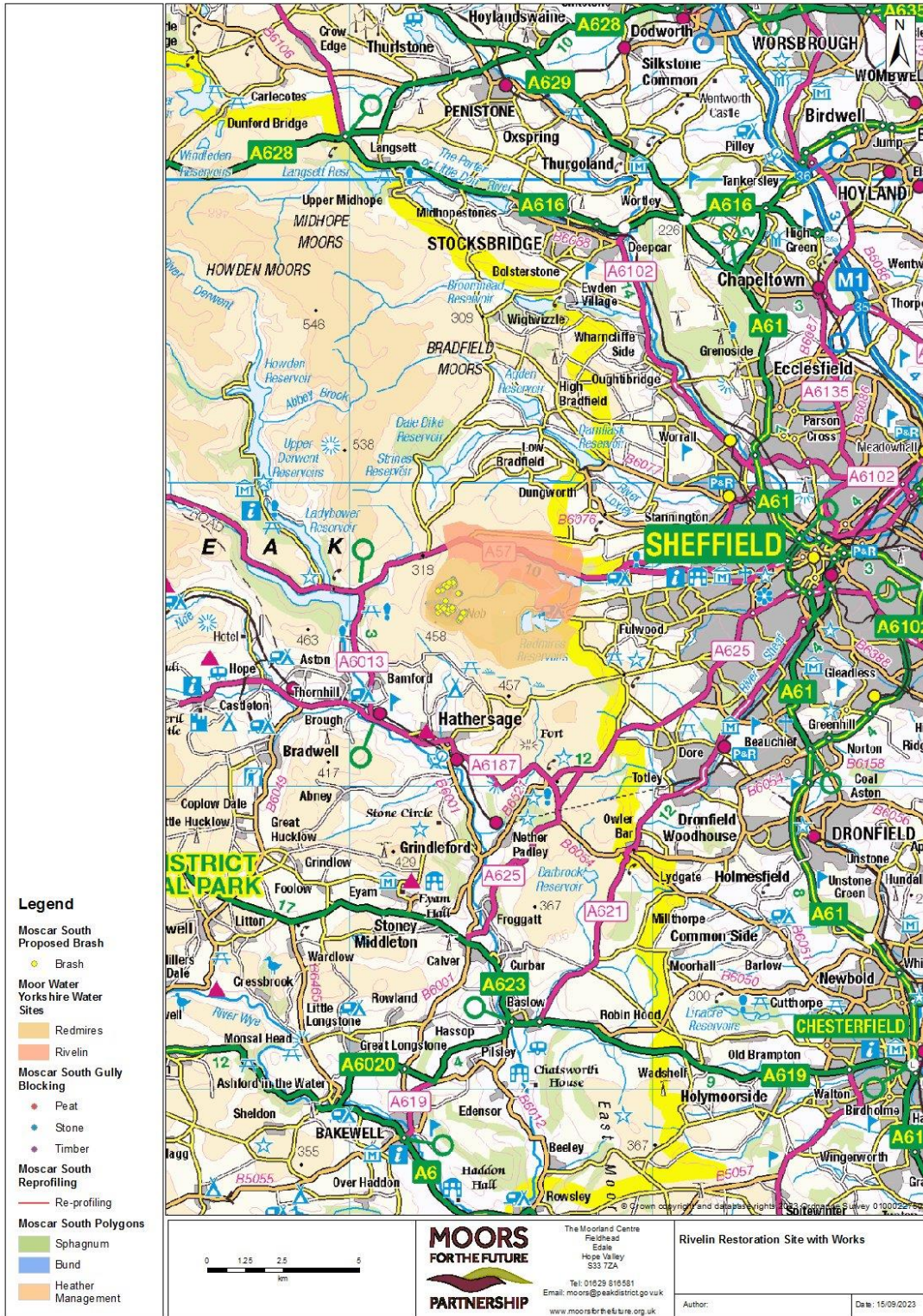


Figure 1 Location of the Rivelin Works Site

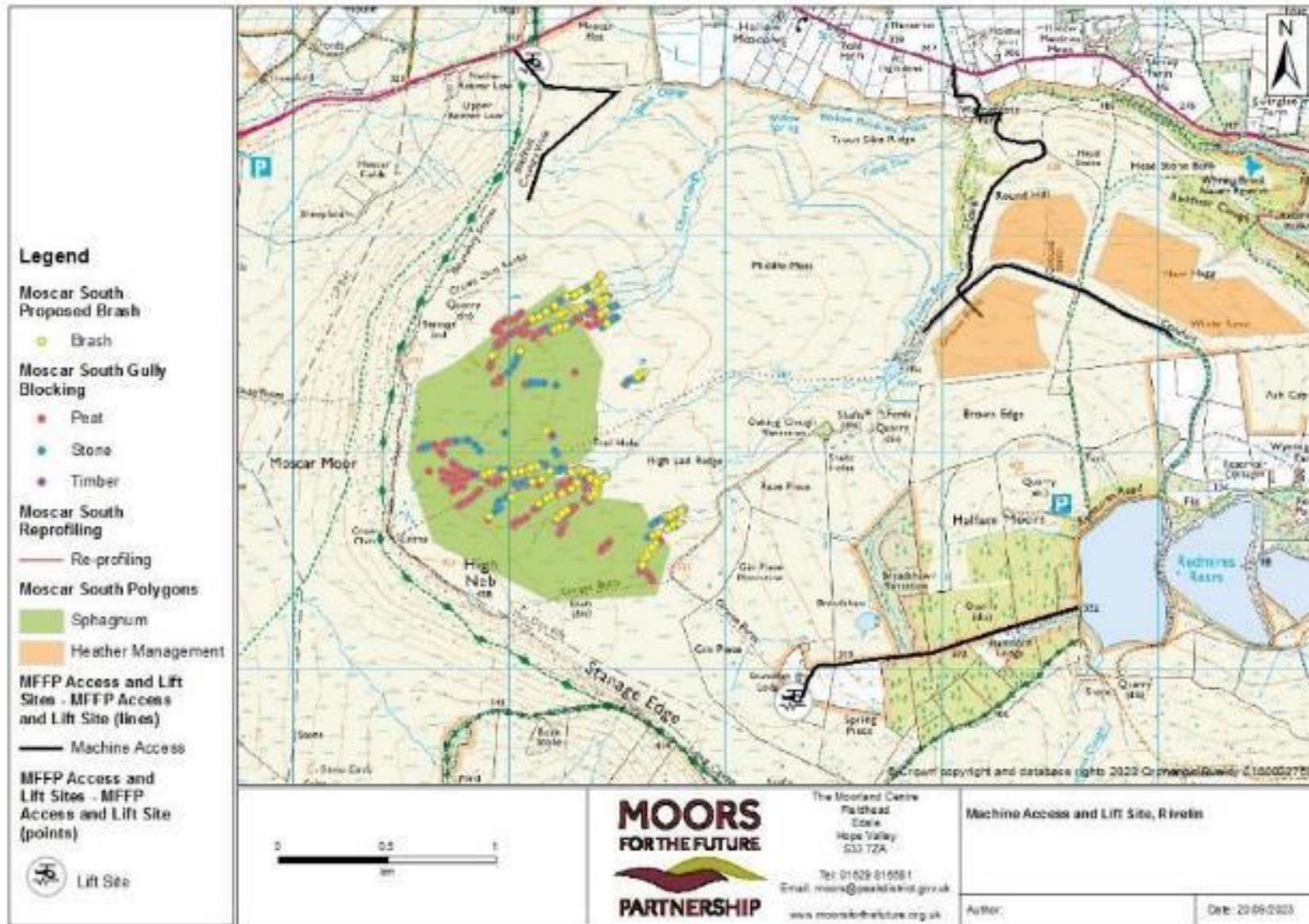


Figure 2 All Works including Lift Site, Access and Heather Cutting Site

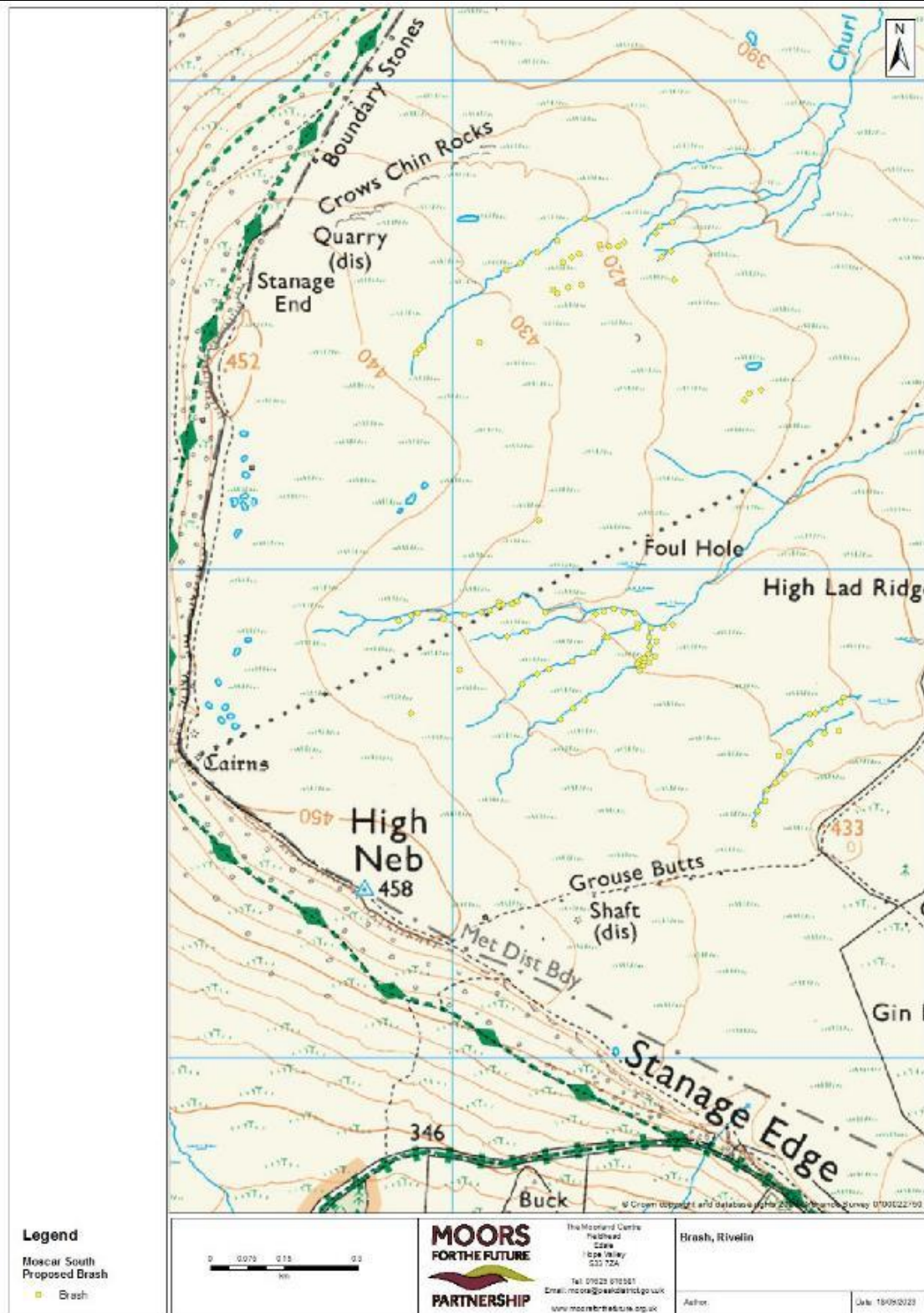


Figure 3 Rivelin Package, Brash Spreading Locations

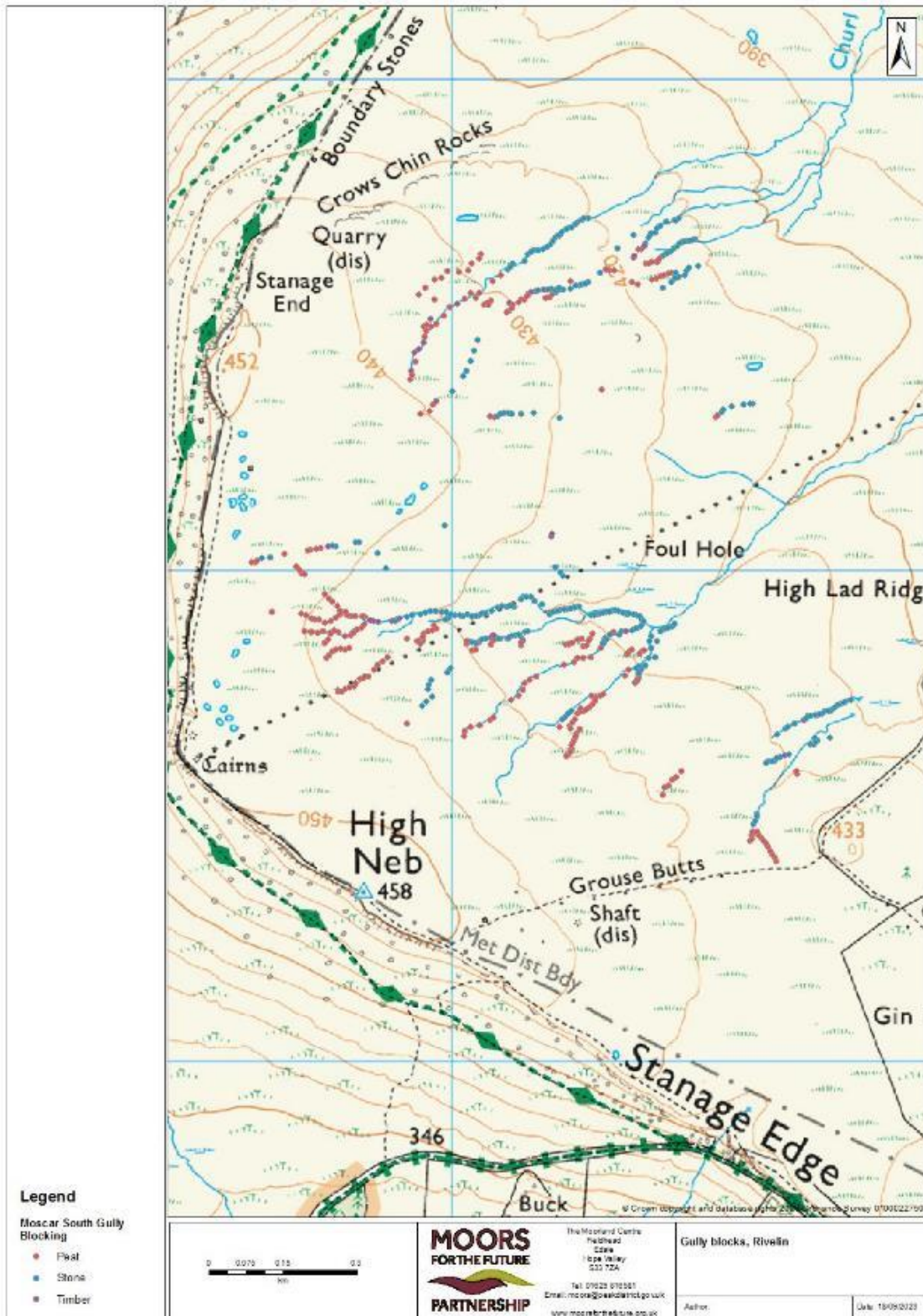


Figure 4 Rivelin Package Stone, Timber and Peat Dam Locations

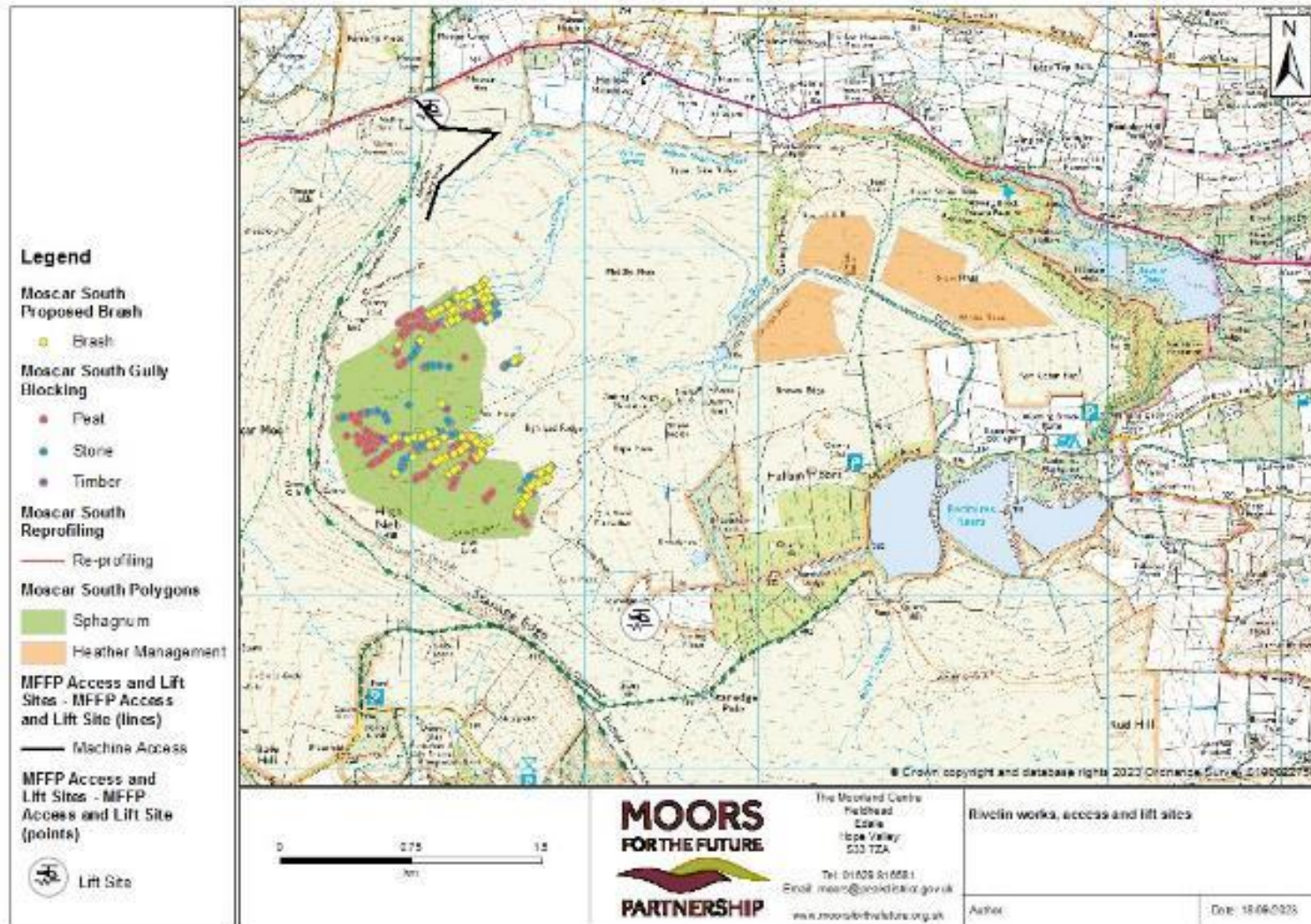


Figure 5 Shows the Brash Cutting area (for airlift marshalling only)

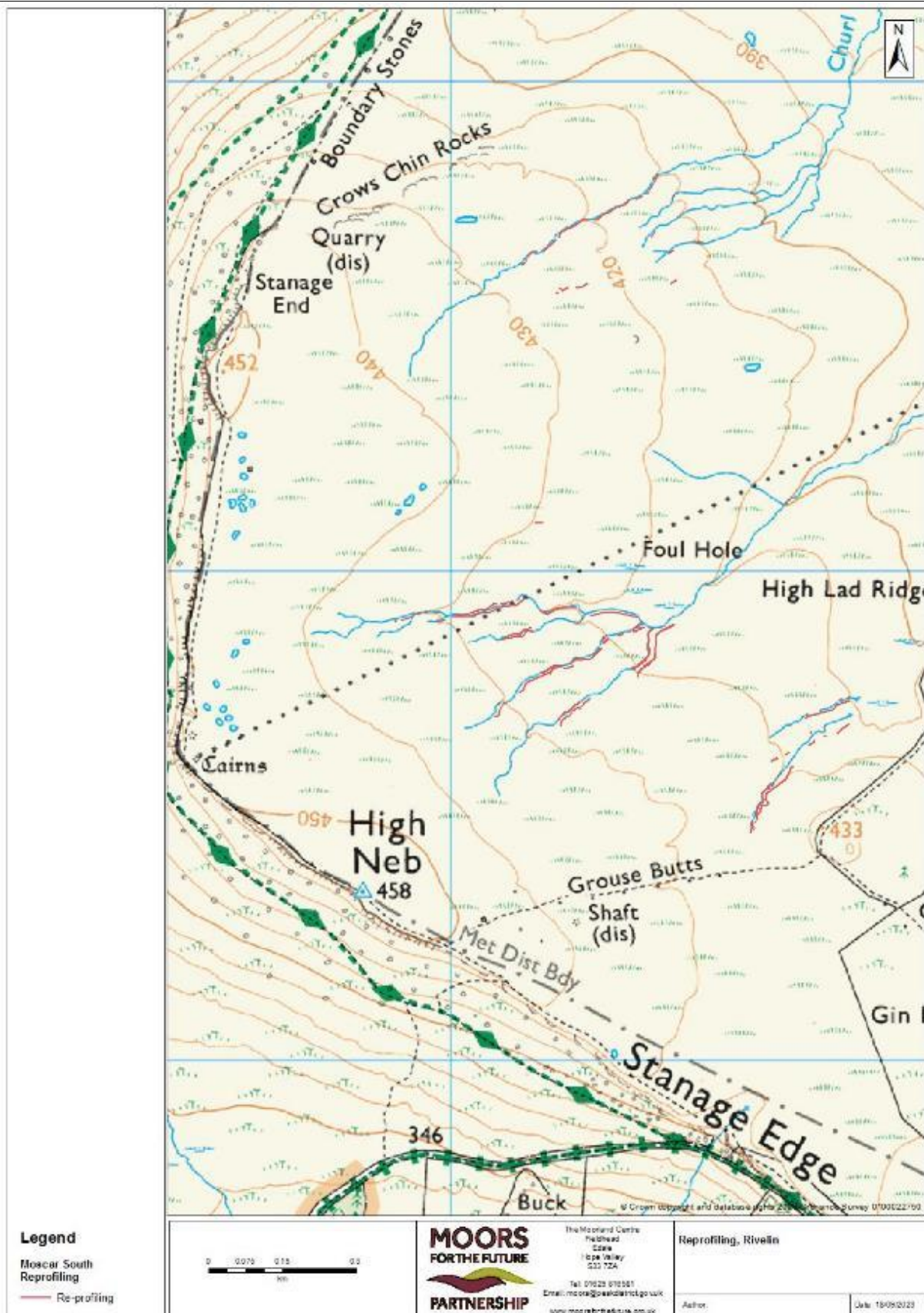


Figure 6 Rivelin Package Re-profiling Gully Sides



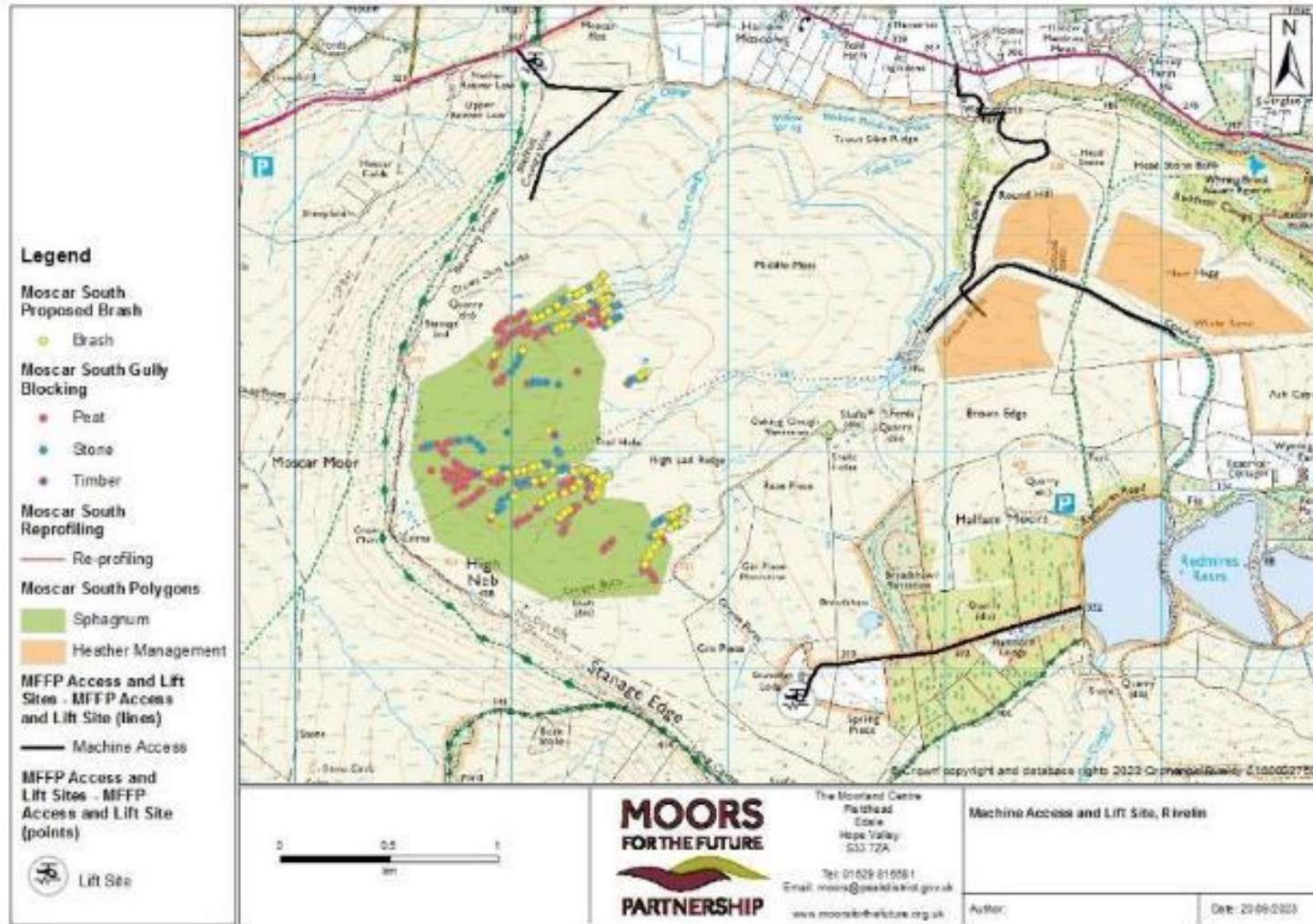


Figure 7 Rivelin Package all works and access routes

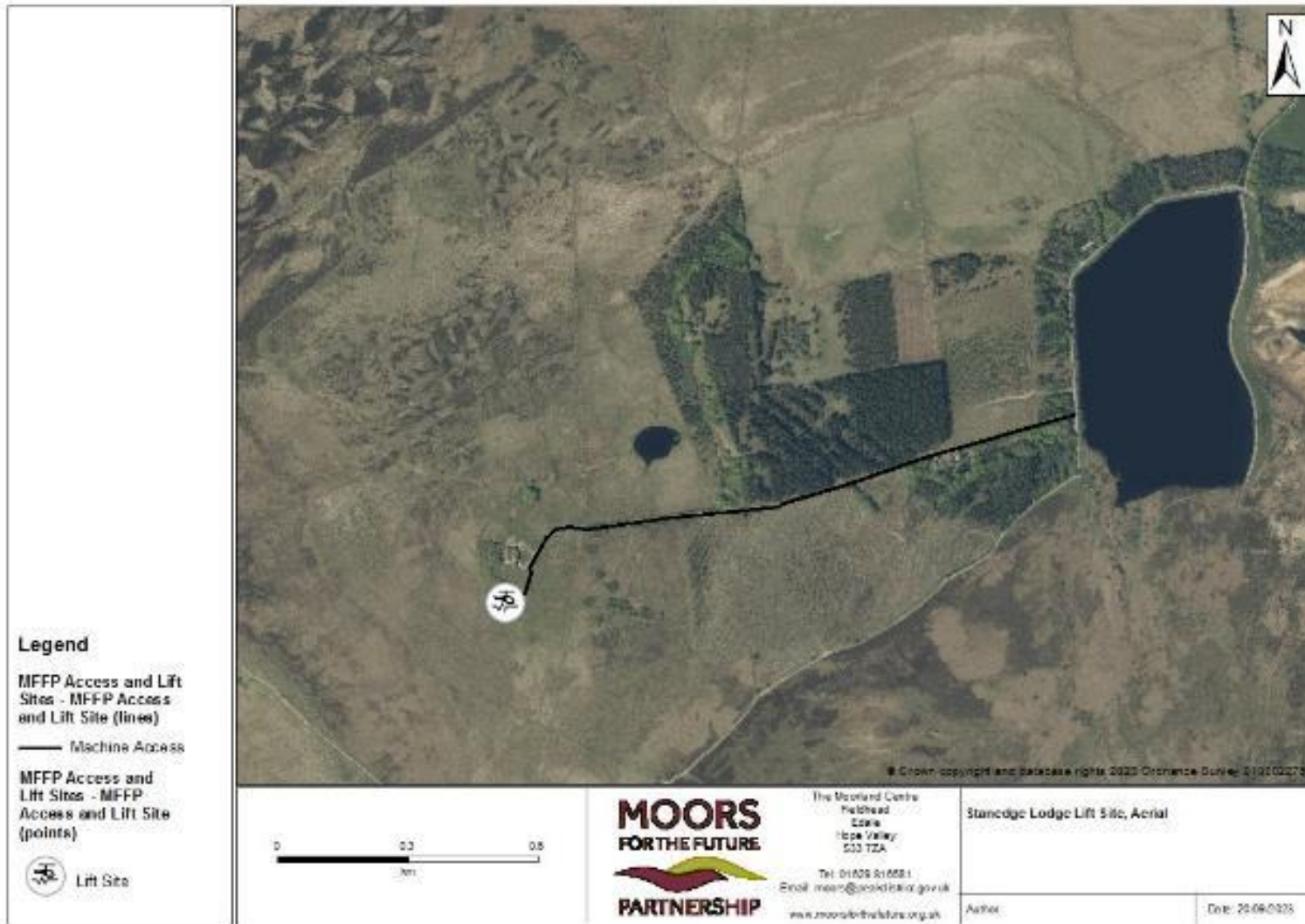


Figure 8 Rivelin Package Access to Stanedge Lodge lift site (aerial)

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## 7. ADDITIONAL INFORMATION

This section provides photos of the access route to Stanage Lodge Lift Site, and of the lift site, including the section of the route that will require trackway installing.



Figure 9 Cattle grid with narrow entrance



Figure 10 The Lift Site



Figure 11 The Lift Site