



Combs Moss Works – Packages 3a–d

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1. WORKS QUANTITIES

The works on the Combs Moss site have been split into 4 packages (3a, 3b, 3c and 3d). Tenderers may tender for any number of packages, but each package should be costed separately. Table 1 below identifies the quantity of work to be delivered for each package. Detailed requirements of each works package can be found in sections 3 to 6. Works Site and Lift Site information can be found in sections 7 and 8. Works maps can be found in section 9.

Table 1 Table of Quantities

Treatment & Unit	Delivery Year	Package 3a	Package 3b	Package 3c	Package 3d
Gully Blocking, Peat (Dam)	2023-24		1079		
Gully Blocking, Coir (Log)	2023-24	28 logs (15 dams)			
Gully Blocking, Timber (Dam)	2023-24	47 dam units (44 dams)			
Gully Blocking, Large Leaky Timber (Dam)	2023-24				25
Re-profiling (m)	2023-24		1505		
Bunding (ha)	2023-24		37		
Gully Blocking, Stone (units)	2023-24	848 dam units (691 dams)			
Plug Plants (ha)	2023-24			34 (85,000 plugs)	
Area 1 Sphagnum @ 1250 per ha (ha)	2023-24			130.6	
Area 2 Sphagnum @1250 per ha (ha) funding tbc	2023-24			104	

2. WORKS DATES & PROGRAMME

2.1. Start Date:

12th August 2023

2.2. End Date

31st March 2024

2.3. Restricted Dates

There may be restricted access between 12th August and 4th October for sporting activities.

2.4. Works Phasing

Table 1 below provides suggested outline phasing/timing of the different works elements (across works packages 3a, 3b, 3c and 3d). 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	August 2023 to March 2024	Gully Blocking (Peat)
		Gully Blocking (Stone)
		Gully Blocking (Timber)
		Gully Blocking (Coir)
		Gully Blocking (Large Leaky Timber)
		Reprofiling
	Bunding	
	February 2024 to March 2024	Plug Planting
		Sphagnum Planting

3. WORKS REQUIREMENTS – PACKAGE 3a

Information on the works required to be delivered by the contractor is provided below. Standard works specifications can be found in Appendix 8. Any site specific or works package specific requirements are stated below.

3.1. Materials supply – Gully Blocking

The contractor will be required to supply a total of 636 tonnes of gully blocking stone, 28 coir logs and 47 timber dam for the works

3.2. 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. Although this could be arranged via the helicopter company if appropriate.

Materials that will require airlifting are as follows:

- Timber (for gully blocking)
- Stone (for gully blocking)
- Coir (for gully blocking)

Materials that will require terrestrial transportation:

- Sphagnum
- Plug plants

3.3. 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. Please refer to the main Tender "MFF 112-06 2023-2025" for detailed information on marshalling requirements.

The Lift Site is adjacent to single track road (Old Road) and therefore marshalling must include safely managing the public while vehicles and helicopters are in use. There is a PROW on the flight line and the site is open access land with some desire lines so the Contractor must ensure this is taken into account.

3.4. Installation of Stone Dams & Coir Log Dams

The contractor will be required to install & construct 691 Stone Dams (848 units) and 15 Coir Dams (28 coir logs) at the works sites.

The Stone Dams consist of;

33 Turf Lined Stone – normal stone dam topped with turf to increase permeability. Can be done either by hand or by machine

64 Peat Pipe Dams - These stone dams will be placed into peat pip entrances, exits or collapsed sections

627 conventional Stone Dams

3.5. Temporary Trackway

The contractor will be required to supply & install a temporary trackway at the Lift Site, prior to the delivery of materials. The contractor must remove the temporary trackway promptly as soon as airlifting work has been completed. The Trackway should provide an area that is large enough to allow access and egress to forwarding vehicles without them driving on any vegetation, and to allow storage of any Materials delivered to the Lift Site without affecting the surrounding vegetation. The Authority estimates the size of the trackway surface required to be approximately 20 metre x 20 metre (400m² total area) The Authority is requesting weekly rates from the contractor for the supply & installation of temporary trackway in the itemised costs

The trackway should be installed no more than a week before the commencement of the works, and should be removed within one week of the last materials being removed from site. It is anticipated that the trackway will be required for 9 weeks per year.

4. WORKS REQUIREMENTS - PACKAGE 3b

4.1. Re-profiling of gully systems, Peat Dams and Bunding

The Contractor will be required to re-profile 1505 metres of gully sides, of which 1423m will be between 0 and 2m high, and 82 m will be between 2m and 3m high.

The Contractor will be required to construct 1066 conventional Peat Dams, the average size of the gullies is 1.7m and 0.6m deep, and 12 Peat Dams in collapsed Peat Pipes.

The Contractor will be required to construct 37 ha of bunding. Two types of bunding will be constructed. Contour bunding – 19.5ha and scallop bunding – 17.7 ha. The specifications for each type can be found in Appendix 8.

5. WORKS REQUIREMENTS - PACKAGE 3c

Information on the works required to be delivered by the contractor is provided below. Standard works specifications can be found in Appendix 8. Any site specific or works package specific requirements are stated below.

5.1. Planting of Sphagnum moss Plug Plants

The contractor will be required to take delivery of, appropriately store and plant 163,250 or 293,250 Sphagnum moss plugs. The contractor will be required to transport the Sphagnum Moss Plugs on to the work site. (The supply of Sphagnum will be arranged by the Authority)

5.2. Planting of Vascular Plug Plants

The contractor will be required to take delivery of, appropriately store and plant 85,000 Vascular Plug Plants. The contractor will be required to transport the Vascular Plug Plants on to the works site.

6. WORK REQUIREMENTS- PACKAGE 3d

Design and build Large NFM (Natural Flood Management) Dams. These are leaky dam features built in larger and/or steeper gullies and cloughs where flows in spate conditions are likely to be higher than in typical moorland gully blocking locations near the headwater, and where basal water flow may need to be maintained. There are 25 locations identified which may be suitable for leaky dams. There is a project budget of £75,000

Two phase contract; first stage design, second stage construction.

Phase 1: We require the contractor to attend site visits with MFFP staff and key stakeholders to discuss a design specification for the locations identified. The contractor will then produce a draft written specification for the design and build of the dams. This draft will then be discussed and consulted upon with the project partners before a final specification being produced. The contractor will produce the final specification and bill of quantities.

Phase 2: The contractor will supply materials and construct the leaky dams.

YOU MUST PROVIDE EVIDENCE OF DESIGNING AND CONSTRUCTING LARGE LEAKY DAMS AS THIS WILL BE USED IN THE EVALUATION FOR THIS PACKAGE AS PER BELOW.

1. Price (40% of the total score value);
 - $40 \times (\text{Lowest Tender Price}) \div (\text{Tenderer X's Price})$
2. Quality criteria (60% of the total score value):
 - Quality criteria 1 (30% of the total score value): Provision of a methodology and programme of works detailing how the Tenderer will meet the Contract Objectives and Specifications.
 - Quality criteria 2 (30% of the total score value): Provision of evidence of designing and constructing large leaky dams designed for Natural Flood Management

Criteria	Weighting	Evaluation Criteria
Price	40%	40 x (Lowest Tender Price) ÷ (Tenderer X's Price)
Quality Criteria 1	30%	6 x score (see table in MFF 142 section 2)
Quality Criteria 2	30%	6 x score (see table in MFF 142 section 2)

7. WORKS SITE DETAILS

7.1. Work Site Name: Combs Moss

7.2. Description of Works Site location:

The site identified for restoration is blanket bog and located on and around the catchment watershed for Buxton & Whaley Bridge.

The site is entirely owned by a Private Estate.

The site is not a SSSI, a 'Special Area of Conservation' (SAC) or a 'Special Protection Area' (SPA).

The northern half of the site lies within the Peak District National Park (PDNPA).

7.3. Specified Access Points/Routes:

The access routes require access through locked gates. Keys will be provided to the Contractor, and the gates should be kept locked at all times.

Table 4 below shows the available access for each site, along with suitable Lift Sites. Details of each route can be found in Table 4, and on the map in section 9.

Table 3 Access Points and Routes

Access route	Description	Vehicle Type	Grid Ref of start point
Midshires Way Roman Road	Machine access	Excavator, 4x4, pedestrian	403675 375847
Allstone Lee Farm	Machine access limited width (7.5 feet)	Excavator, 4x4, pedestrian	404488 377568
Lightwood Reservoir	Pedestrian access only	Pedestrian	405386 375041

Contractor to provide works notice & helicopter warning signs on the public single track road (Old Road) and at the point where the helicopter overflies the footpath.

7.4. Access Restrictions:

Access is restricted in Bird Breeding Season from 1 April to 11 August inclusive.

Airlifting is restricted in Bird Breeding Season from 1 April to 15th August inclusive.

There may be restricted access between 12th August and 4th October for sporting activities.

7.5. Public Rights of Way / Footpaths:

The delivery & Lift Site is along a quiet single track public road (Old Road) which has been widened in areas to allow articulated lorries through. The Contractor will need to marshal this while delivery

and airlifting is taking place. There are no PROWs on the site, but the site is on open access land under the CROW Act, so the Contractor is expected to take this into account. There is a PROW on the flight path

7.6. Vehicles allowed on Works Site:

Only suitably low-ground-pressure vehicles (<3psi) may be taken onto the works site for machine works, refuelling or transport of required materials associated with the works. Vehicles shall not be used for the sole purpose of personnel transport. The mitigations outlined here and in Appendix 1 are considered sufficient and appropriate for preventing damage to blanket bog or localised dry heath habitats routes may cross.

Access for excavators and other low-ground-pressure vehicles can be made at the access points and outline routes as per Figure 3 and Table 4.

Existing established (aggregate and/or tarmacadam) tracks may be used for normal road vehicle / 4x4 access onto site.

7.7. Livestock:

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

7.8. Hazards associated with the Works Site:

Grouse shooting takes place on this work site. There are also 2 areas of Bell Pits marked as exclusions on the GIS.

7.9. SSSI

The site is not a SSSI.

7.10. Scheduled Ancient Monuments and other Archaeology

There is a Scheduled Monument on the far North of the site. It is described as a 'Promontory fort' but this is outside the work site and not on any access routes.

There are a number of archaeological features within the work site and we are consulting an archaeologist about these.

8. LIFT SITE DETAILS

8.1. Lift Site Name:

Pete Knowles

8.2. Description of Lift Site location:

The Lift Site is adjacent to single track road (Old Road) and therefore marshalling must include safely managing the public while vehicles and helicopters are in use. There is a PROW on the flight line and the site is open access land with some desire lines so the Contractor must ensure this is taken into account.

8.3. Specified Access points/routes:

The Lift Site can be accessed off a public single track road (Old Road). In order for lorries to be able to deliver stone, it will be necessary to make an access point through a dry stone wall. The contractor should make an allowance for the removal and rebuilding of the wall.

Access Track / Road Surface:

The road has been widened to allow articulated lorries through & is tarmacked. The route will be from Whaley Bridge up the Old Road. It is a single track public road with properties that will need access.

8.4. Access Restrictions:

The access to the Lift Site is off a public road so there are no formal restrictions but the contractor must consider the public

8.5. Lift Site Surface/ Temporary Trackway Requirements:

A temporary trackway and operating area measuring approx. 20m x 20m will be located on pasture land, on the North side of a public single track road. This site is proposed for use for delivery and airlifting of stone, timber & coir.

8.6. Public Rights of Way / Footpaths:

The delivery & Lift Site is to the North of a public single track road (Old Road). The Contractor will need to marshal this while delivery and airlifting is taking place.

8.7. Vehicles allowed on Lift Sites:

Tractors, trailers and delivery of trackway and materials can access lift site along the public single track road

8.8. Hazards associated with the Lift Site:

Livestock are present in the Lift Site, these must be kept secured

8.9. SSSI:

No.

8.10. Storage of Materials allowed at Lift Site:

TBC

8.11. Helicopter refuelling permitted:

Yes

8.12. Traffic management required:

No

9. WORKS MAPS

Figure 1 Work site location map

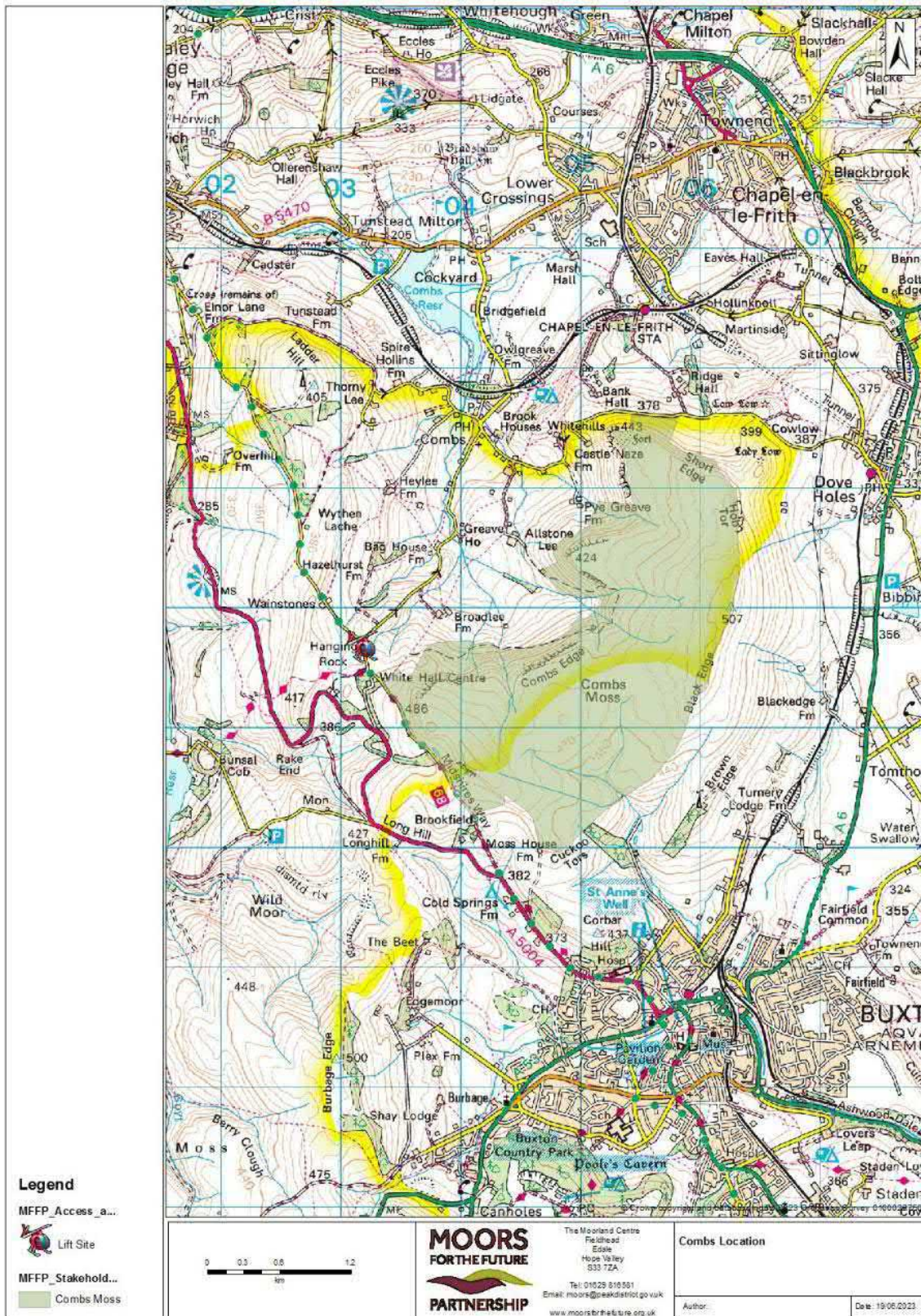


Figure 2 Lift site location

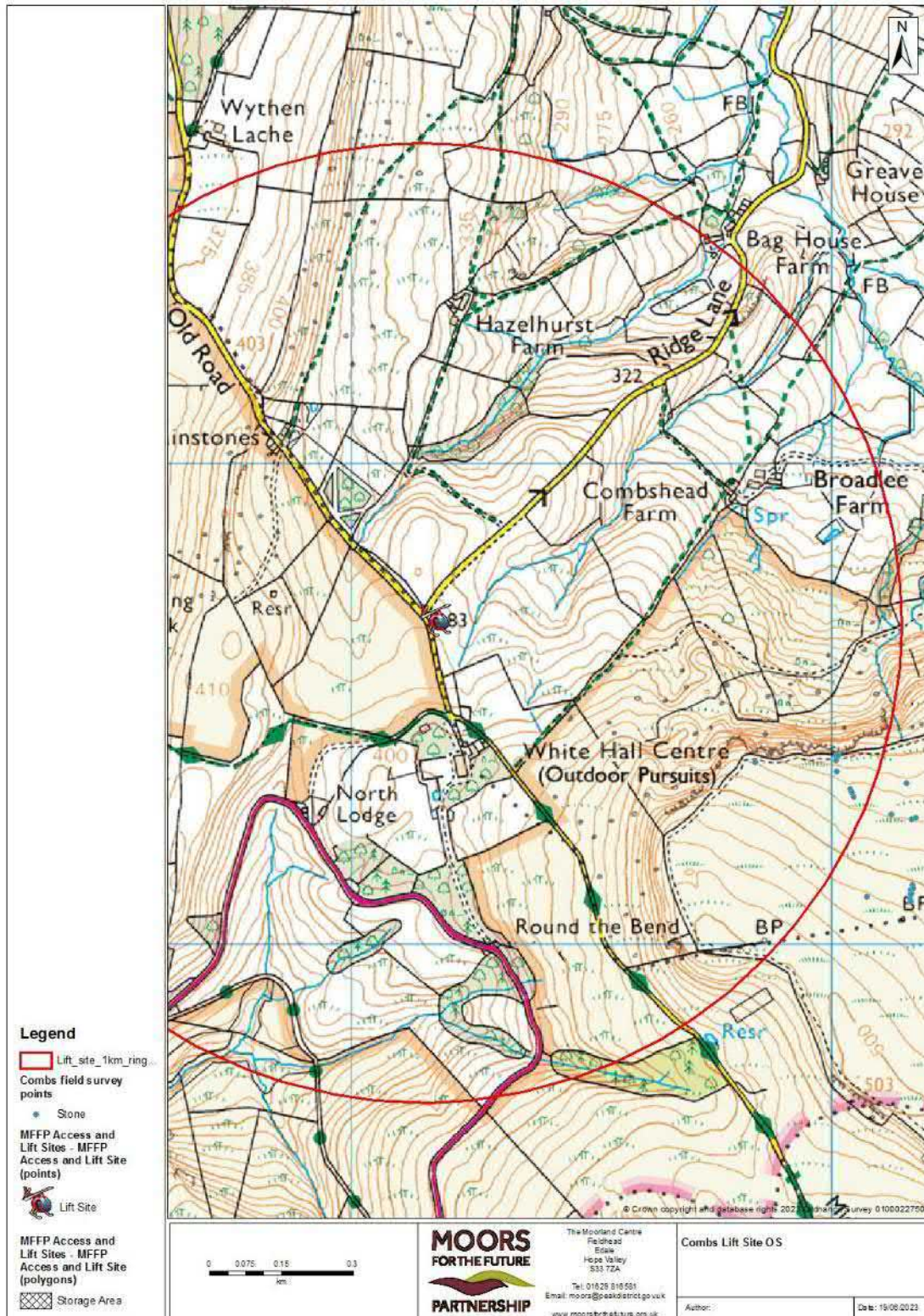


Figure 3 Lift site aerial photo

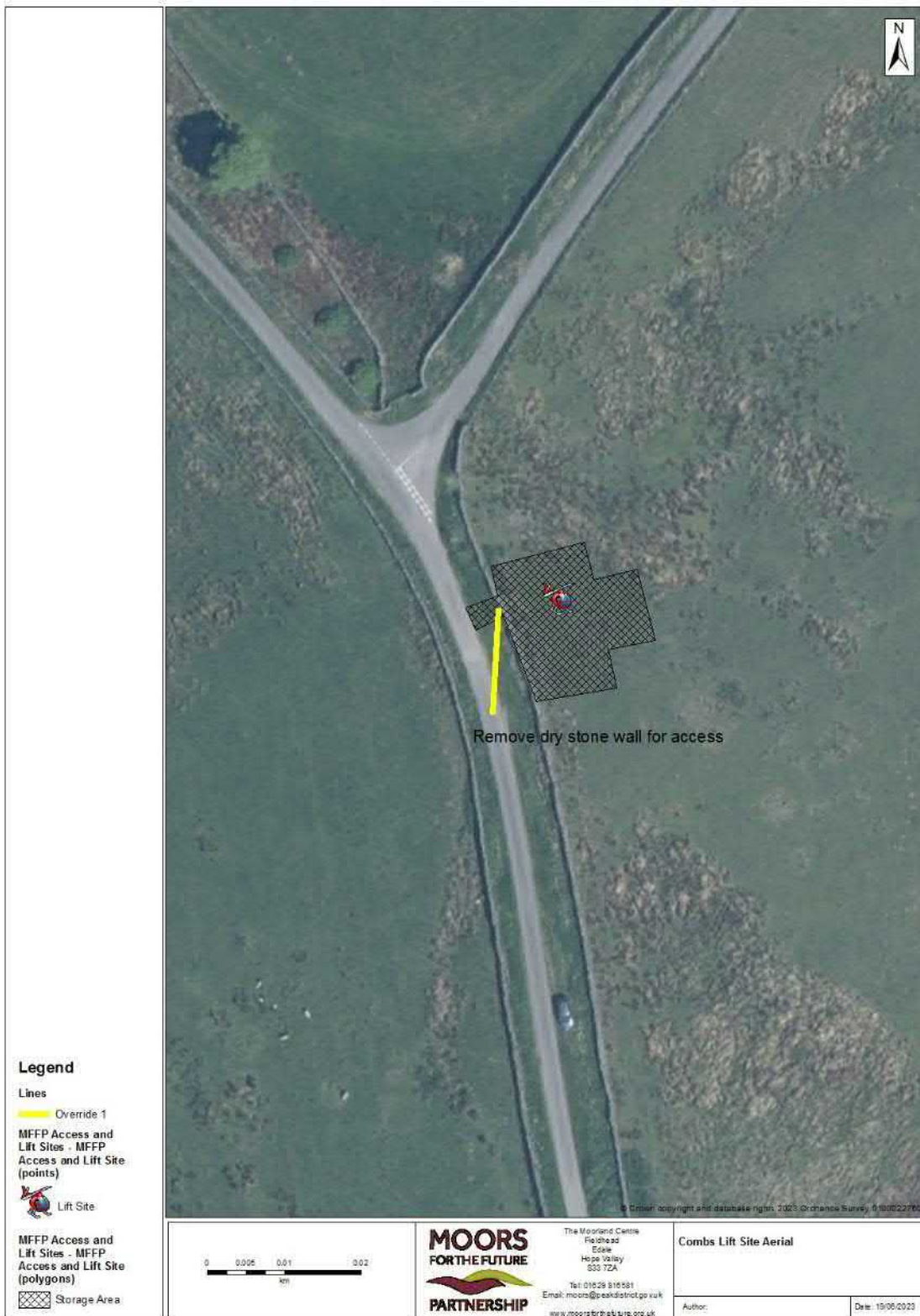


Figure 4 Access Routes

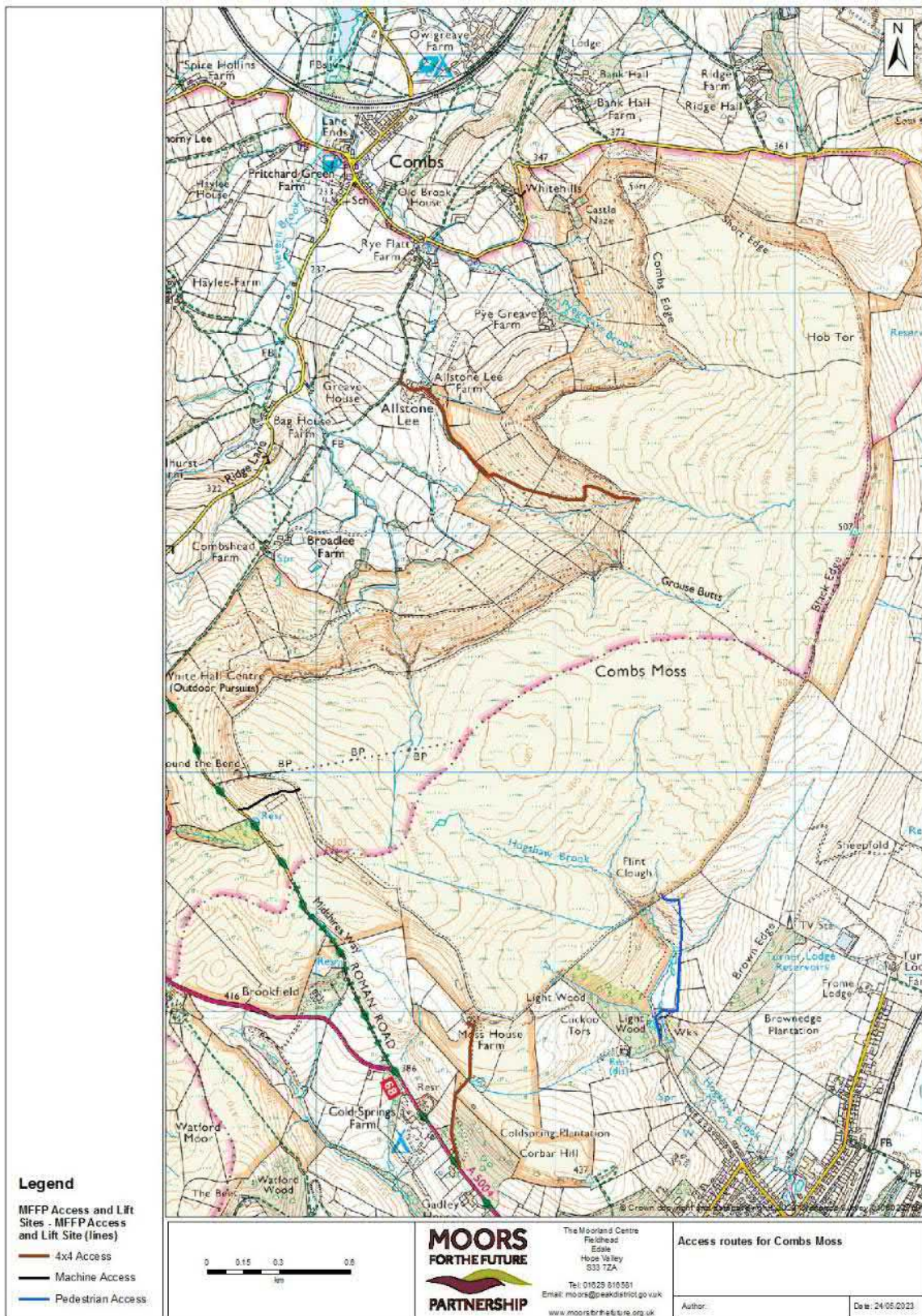


Figure 5 Gully Blocking Locations

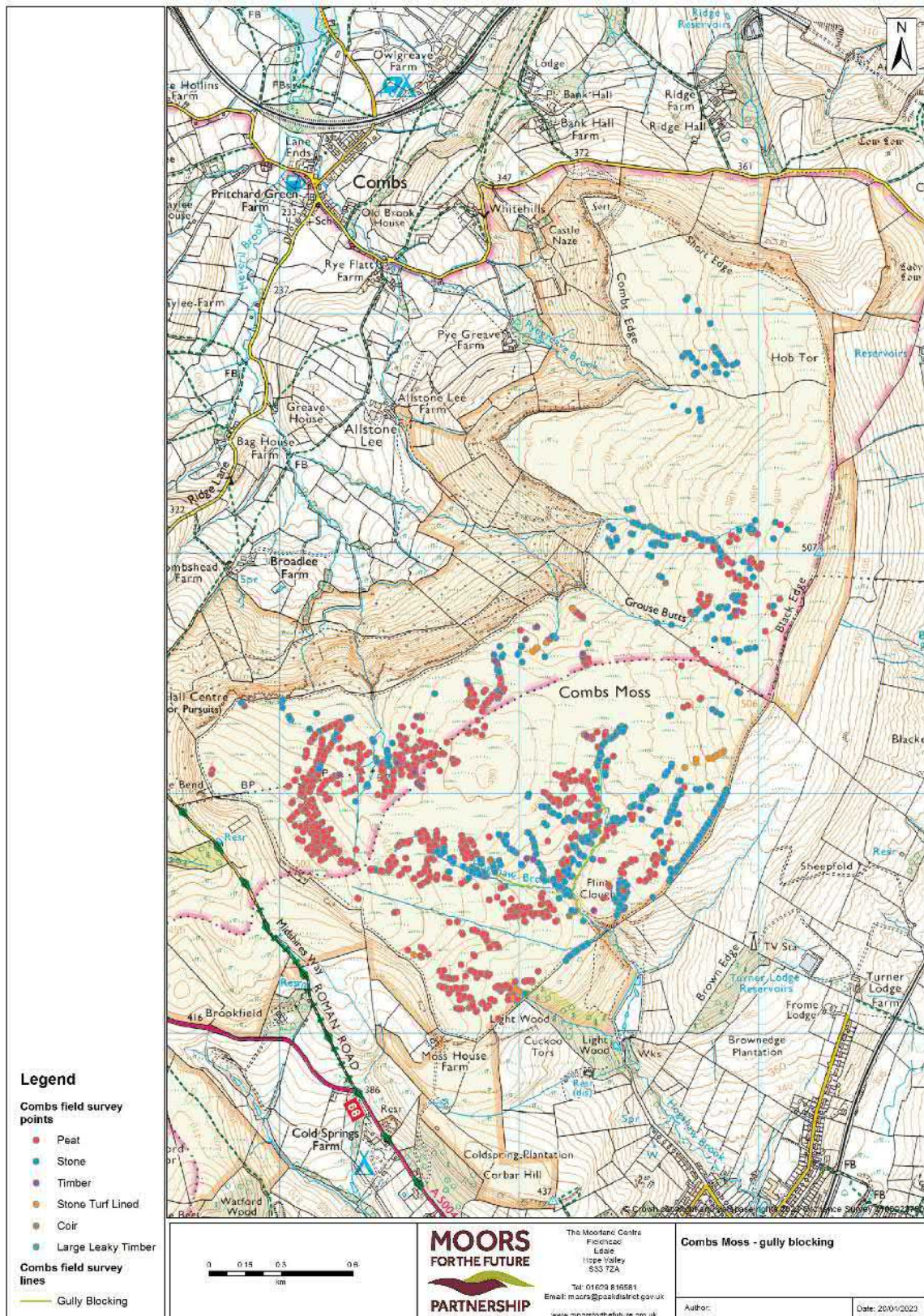


Figure 6 Re-profiling locations

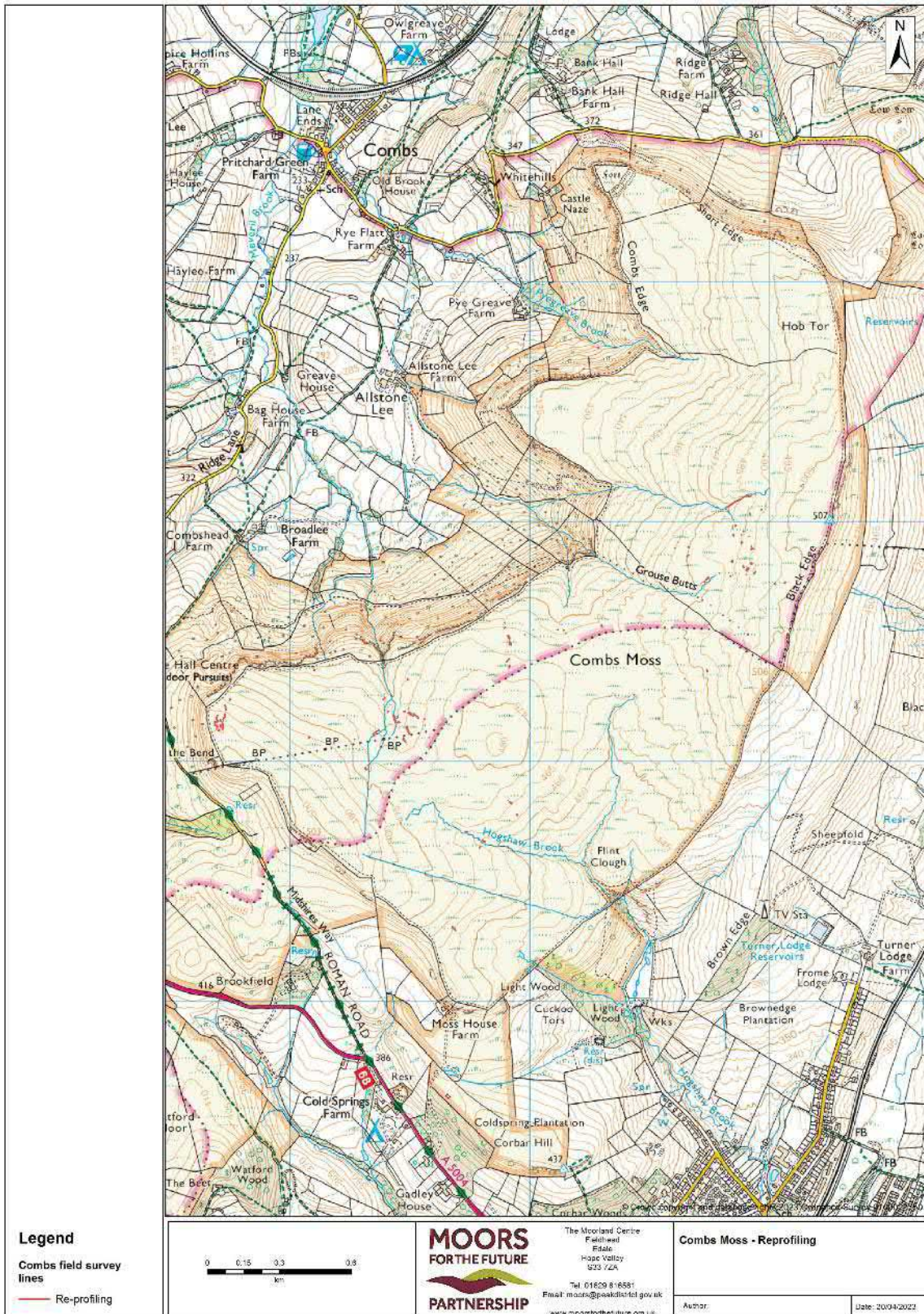


Figure 7 Bunding locations

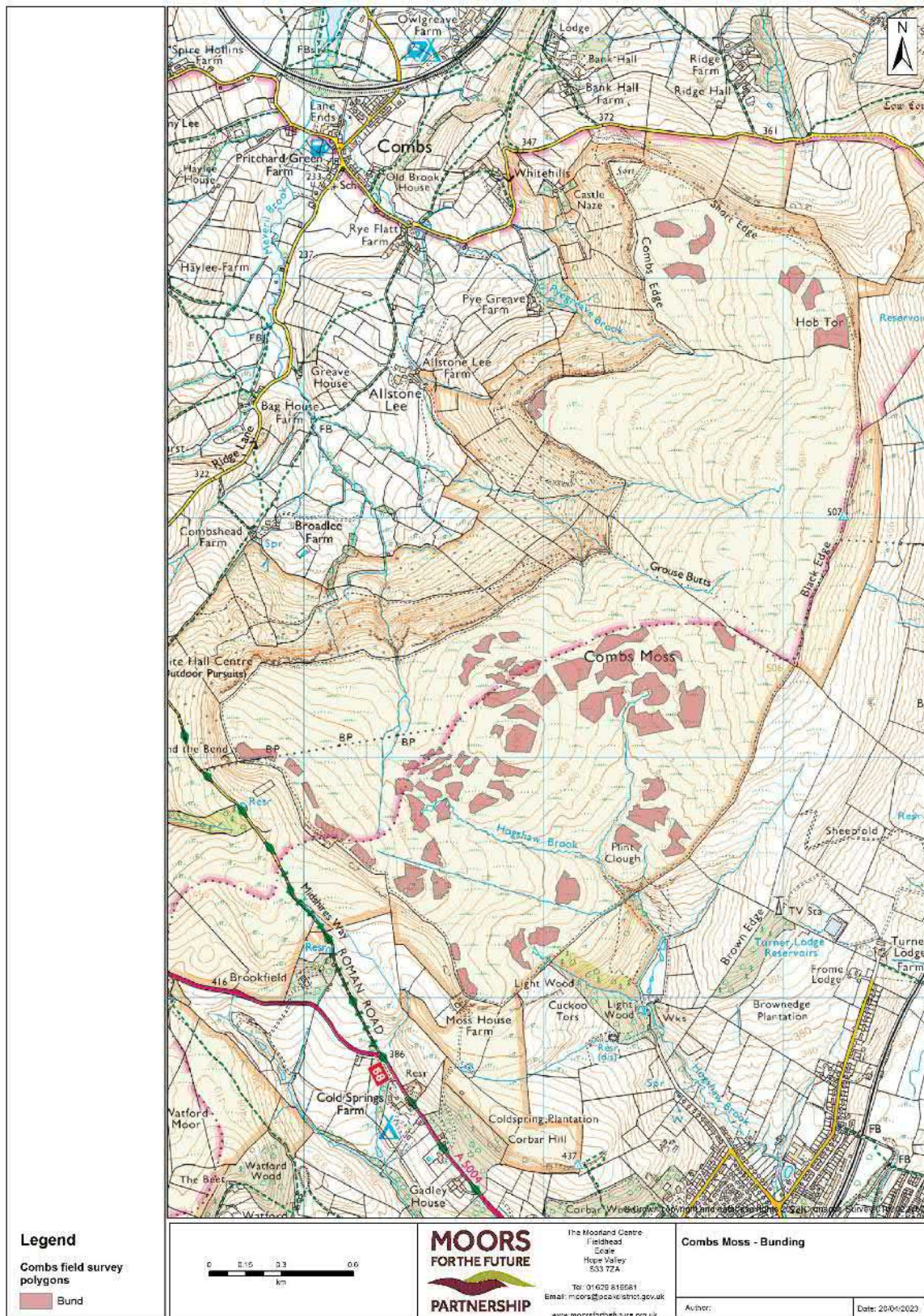


Figure 8 Plug planting Area

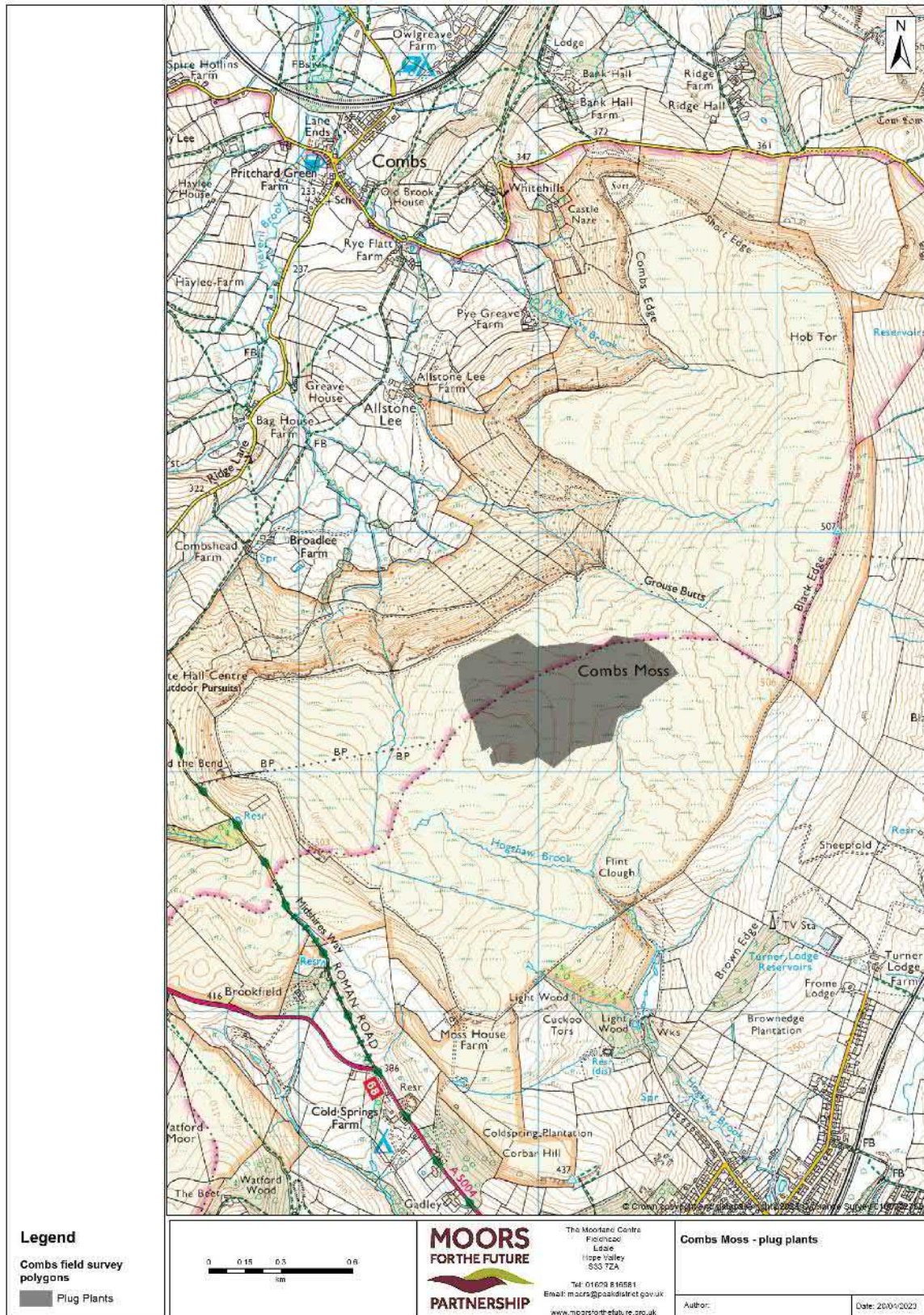


Figure 8 Sphagnum planting areas

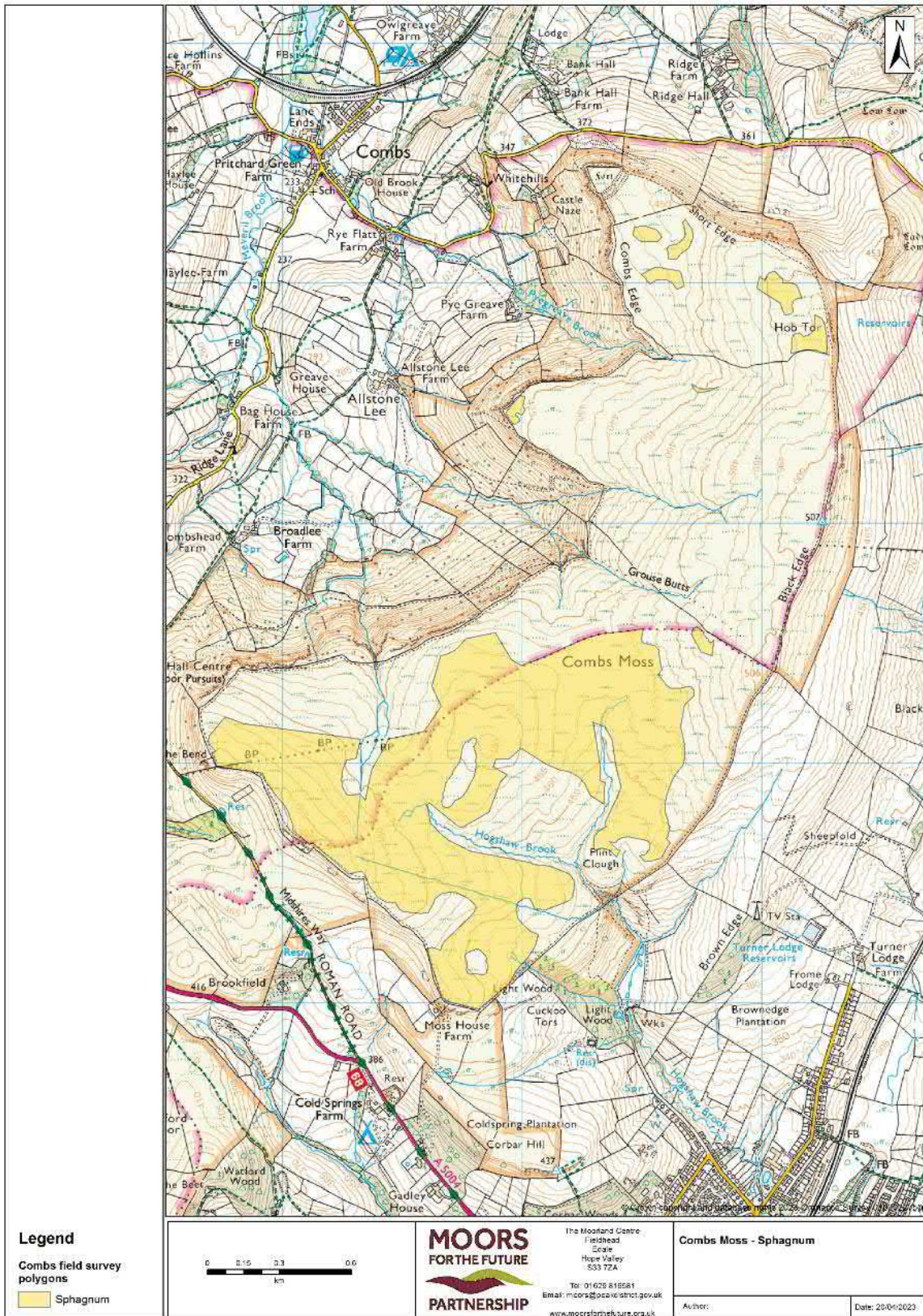


Figure 9 Exclusion areas for Bell Pits

