



Goyt Works – Packages 4a, 4b, 4c, 4d

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1. WORKS QUANTITIES

The works on the Goyt site have been split into 4 packages (4a, 4b, 4c, and 4d). 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, 4, 5, and 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 Work package details

| Treatment & Unit | Delivery Year | Package 4.a | Package 4.b | Package 4.c | Package 4.d |
|---------------------------------------------------------------|---------------|---------------------|-------------|-------------|-------------|
| Grip/Gully Blocking: Timber (Dam) | 2023-24 | 115 | | | |
| Grip/Gully Blocking: Stone (Dam units) | 2023-24 | 367 loads, 213 dams | | | |
| Grip/Gully Blocking: Peat (Dam) | 2023-24 | 378 | | | |
| Re-profiling (m) | 2023-24 | 1996 | | | |
| Heather Brash Spreading (Bags) | 2023-24 | 316 | | | |
| Year 1 Lime, Seed & Fertiliser (bags) | 2023-24 | 316 | | | |
| Year 2 Lime & Fertiliser (bags) | 2024-25 | 316 | | | |
| Vascular plugs (plugs) | 2024-25 | 8,000 | | | |
| Sphagnum planting – bog (@4000 plugs per ha) (plugs) | 2023-24 | | 157,600 | | |
| Sphagnum planting – bog (@4000 plugs per ha) (plugs) | 2024-25 | | 157,600 | | |
| Sphagnum planting – cuts (@4000 plugs per ha) (plugs) | 2023-24 | | | 140,000 | |
| Sphagnum planting – cuts (@4000 plugs per ha) (plugs) | 2024-25 | | | 140,000 | |
| Sphagnum planting – gully blocks (@4000 plugs per ha) (plugs) | 2023-24 | | | | 48,000 |
| Sphagnum planting- Pool Mix (plugs) | 2024-25 | | | | 74,960 |

2. WORKS DATES & PROGRAMME

2.1. Start Date:
15th August 2023

2.2. End Date
31st March 2025

2.3. Restricted Dates

Bird breeding season 1st April to 15th August inclusive. Certain days during shooting season August 12th to December 10th (specific dates to be confirmed).

2.4. Works Phasing

Table 1 below provides suggested outline phasing/timing of the different works elements (across all works packages). 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 |
|------|-------------------------|-----------------------------------------------------------------------------------------------|
| 1 | 16 August to 31 Dec | Supply, fly & install stone dams |
| | | Supply, fly and install Timber Dams |
| | | Machine work: peat dams |
| | | Heather Cutting – 17.5 ha (August or after November for brash collection) – separate contract |
| | | Sphagnum – heather cuts – 17.5 ha |
| | | Sphagnum – Bog – 19.7 ha |
| | 01 Jan to 31 March | Gully blocking; continuation of works as required |
| | | Machine work: reprofiling hagg edges and gully sides |
| | | Fly and spread brash to reprofiled slopes and other bare peat |
| | | Initial lime, seed and fertiliser (LSF) |
| | | Heather Cutting – 17.5 ha – separate contract |
| | | Sphagnum – heather cuts – 17.5 ha |
| | | Sphagnum – Bog – 19.7 ha |
| | | Sphagnum – Gully block planting – 12 ha |
| 2 | 16 Aug to 31 March | Heather Cutting – 17.5 ha – separate contract |
| | | Sphagnum – heather cuts – 17.5 ha |
| | | Sphagnum – Bog – 19.7 ha |
| | | Sphagnum – Pool Mix |
| | 01 February to 31 March | Apply Maintenance (year 2) Lime and Fertiliser |
| | | Vascular Plug planting into bare peat restoration areas |
| | | Heather Cutting – 17.5 ha – separate contract |
| | | Sphagnum – heather cuts – 17.5 ha |
| | | Sphagnum – Bog – 19.7 ha |
| | | Sphagnum – Bog – 19.7 ha |

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. WORKS REQUIREMENTS – PACKAGE 4.a

See map 3 for gully block locations. Certain sections of following works to be undertaken in accordance with archaeological mitigations (see 7.10 and map 2). As per table 2, gully blocking works scheduled for autumn 2023, reprofiling and revegetation works scheduled for spring 2024, plug planting scheduled for spring 2025.

3.1. **Materials supply – Gully Blocking**

The contractor will be required to supply a total of 275.25 tonnes of gully blocking stone, 115 units of timber 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.

Materials that will require airlifting are as follows;

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

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 142 2023-2025" for detailed information on marshalling requirements.

The site contains Public Rights of Way, desire paths and open access land in places under potential flight paths and near delivery sites. Additionally, flight paths will cross minor roads open to traffic. The contractor must ensure that there is sufficient marshalling capacity.

3.4. **Construction of Peat Dams**

The contractor will be required to construct 374 peat dams and 4 low peat dams. Of this total 62 peat dams are to be constructed in place of existing plastic dams. Peat dams in gully systems above sections of proposed reprofiling must be constructed before reprofiling works take place to minimise potential for high water flows impacting newly reprofiled slopes.

3.5. **Construction of Timber Dams**

The Contractor will be required to construct 115 Timber Dams. Timber dams in gully systems above sections of proposed reprofiling must be constructed before reprofiling works take place to minimise potential for high water flows impacting newly reprofiled slopes.

3.6. **Construction of Stone Dams**

The Contractor will be required to install 214 Stone Dams, consisting of 367 750kg units of stone. Stone dams or baffles associated with sections of proposed reprofiling must be installed before reprofiling works take place to prevent loss of peat from newly reprofiled slopes.

-
- 3.7. **Re-profiling of gully systems and hagg edges**
The contractor will be required to re-profile 1996 metres of gully sides (see map 4) of which 1604m are in gullies between 1 and 2m high and 392m in gullies between 2 and 3m high.
- 3.8. **Spreading of Heather Brash**
The contractor will be required to spread 316 bags of heather brash on bare peat on newly reprofiled slopes. This work must be done in coordination with reprofiling works. Heather brash will be sourced on site and its supply will be tendered separately (Package 7).
- 3.9. **Transport & Application of lime, seed & fertiliser**
The authority will supply the lime, seed and fertiliser. The contractor will be required to take delivery of initial (year1) and maintenance (year 2) lime, seed and fertiliser for the works. The contractor will be required to transport the lime, seed and fertiliser on to the works site and apply the materials by hand to the bare peat areas. This must occur during March only.
- 3.10. **Planting of Vascular Plug Plants**
The authority will supply the plug plants. The contractor will be required to take delivery of, appropriately store and plant 8000 vascular plug plants on reprofiled slopes. The contractor will be required to transport the Vascular Plug Plants on to the works site. Transport of plugs may be by tracked vehicle or manually.

4. WORKS REQUIREMENTS - PACKAGE 4.b

- 4.1. **Planting of Sphagnum Moss Plug Plants - Bog**
The authority will supply the plug plants. The contractor will be required to take delivery of, appropriately store and plant 315,200 Moorland Mix Sphagnum moss plugs. The contractor will be required to transport the Sphagnum Moss Plugs on to the works site. Sphagnum Plugs are to be planted in 6 distinct areas of grass dominated bog totalling 78.8 ha (4000 plugs per ha), (map 5). As per the schedule in table 2, planting is to be undertaken in 4 phases of 19.7 ha and 78,800 plugs each.

5. WORKS REQUIREMENTS – PACKAGE 4.c

- 5.1. **Planting of Sphagnum Moss Plug Plants - Cuts**
The contractor will be required to take delivery of, appropriately store and plant 280,000 Chunky Mix Sphagnum moss plugs. The contractor will be required to transport the Sphagnum Moss Plugs on to the works site. Sphagnum Plugs are to be planted in new heather cuts being carried out during this project (70ha total, 4000 plugs per ha), (general areas map 6, cut locations tbc). As per the schedule in table 2, planting is to be undertaken in 4 phases of 17.5 ha and 70,000 plugs each.

6. WORKS REQUIREMENTS – PACKAGE 4.d

6.1. Planting of Sphagnum Moss Plug Plants – Pool Mix and Gully Block planting

The contractor will be required to take delivery of, appropriately store and plant 122,960 Sphagnum moss plugs. The contractor will be required to transport the Sphagnum Moss Plugs on to the works site. 48,000 Moorland Mix Sphagnum Plugs are to be planted within a corridor 10m of each side of new dams after the completion of gully blocking works (map 7). This planting is to take place in spring 2024. 74,960 Pool Mix plugs are to be planted in 3748 locations of new and previously completed gully blocking works (map 8). This planting is to be undertaken in autumn 2024.

7. WORKS SITE DETAILS

7.1. Work Site Name:

Goyt

7.2. Description of Works Site location:

401894 371557. North and South of A537, 4 miles west of Buxton. See map 1 'Site Location'.

7.3. Specified Access Points/Routes:

Pedestrian Access - Contractor, volunteer, and MFFP staff access to the site will be on foot via multiple gates associated with PRow or existing moorland paths. Vehicle parking is available in multiple locations to access different parts of the site, including layby opposite the Cat and Fiddle SK 0009571884, layby off Goyts Moss Road SK 00481 71706, Derbyshire Bridge carpark SK 0184071584, Goyt Lane carpark SK 0241675196. Vehicle Access - There is good machine access to all areas where works are proposed, utilising gates from the road or track and following routes across the moor established through the heather cutting regime and previous capital works. These gates are at the following locations; Goyts Moss Road SK 00483 71711, Raven's Low SK 01985 71687 and SK 02436 72013, Burbage Edge path SK 02712 72181. For the unfenced area between Goyts Moss Road and the A537, there are multiple existing access points from the road from previous works.

7.4. Access Restrictions:

Bird breeding season April 1st to August 15th. During shooting days August – December (exact dates TBC)

7.5. Public Rights of Way / Footpaths:

Public Right of Way enters Goyt's Moss at SK 02710 72177 and SK 02978 72635 crossing site and down the Goyt valley to Erwood reservoir.

7.6. Vehicles allowed on Works Site:

Only suitably low-ground-pressure tracked vehicles (<3psi) may be taken onto the works site for machine works, cutting, refuelling, or transport of required materials associated with the works. Vehicles shall not be used for the sole purpose of personnel transport.

7.7. Livestock:

Sheep graze parts of 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 in several areas of the site on specific days between August and December.
Archaeological surface and subsurface features associated with historic mining activity, e.g. bell pits.

7.9. SSSI

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

7.10. Scheduled Ancient Monuments and other Archaeology

17 ha Scheduled Ancient Monument. No works taking place within SAM but works taking place near boundary. Several other areas of archaeological significance. See map 2 'Areas of archaeological interest'. Mitigations in place include recording of features before commencement of works, pre-agreement of vehicle access routes to work sites, pre-agreement of access routes between work sites, archaeological watching brief on certain sections, restrictions on gully blocking methodology on certain sections. Consultant archaeologists will be contracted separately by MFFP.

8. LIFT SITE DETAILS

8.1. Lift Site Name: *Goytsclough Forest Track*

8.2. Description of Lift Site location: SK 01063 73498

8.3. Specified Access points/routes:
Forestry Access Track

8.4. Access Restrictions: TBC

8.5. Lift Site Surface/ Temporary Trackway Requirements:
Hardcore track/ No trackway required

8.6. Public Rights of Way / Footpaths:
Yes, plus adjacent carpark

8.7. Vehicles allowed on Lift Sites:
No restrictions, but TBC

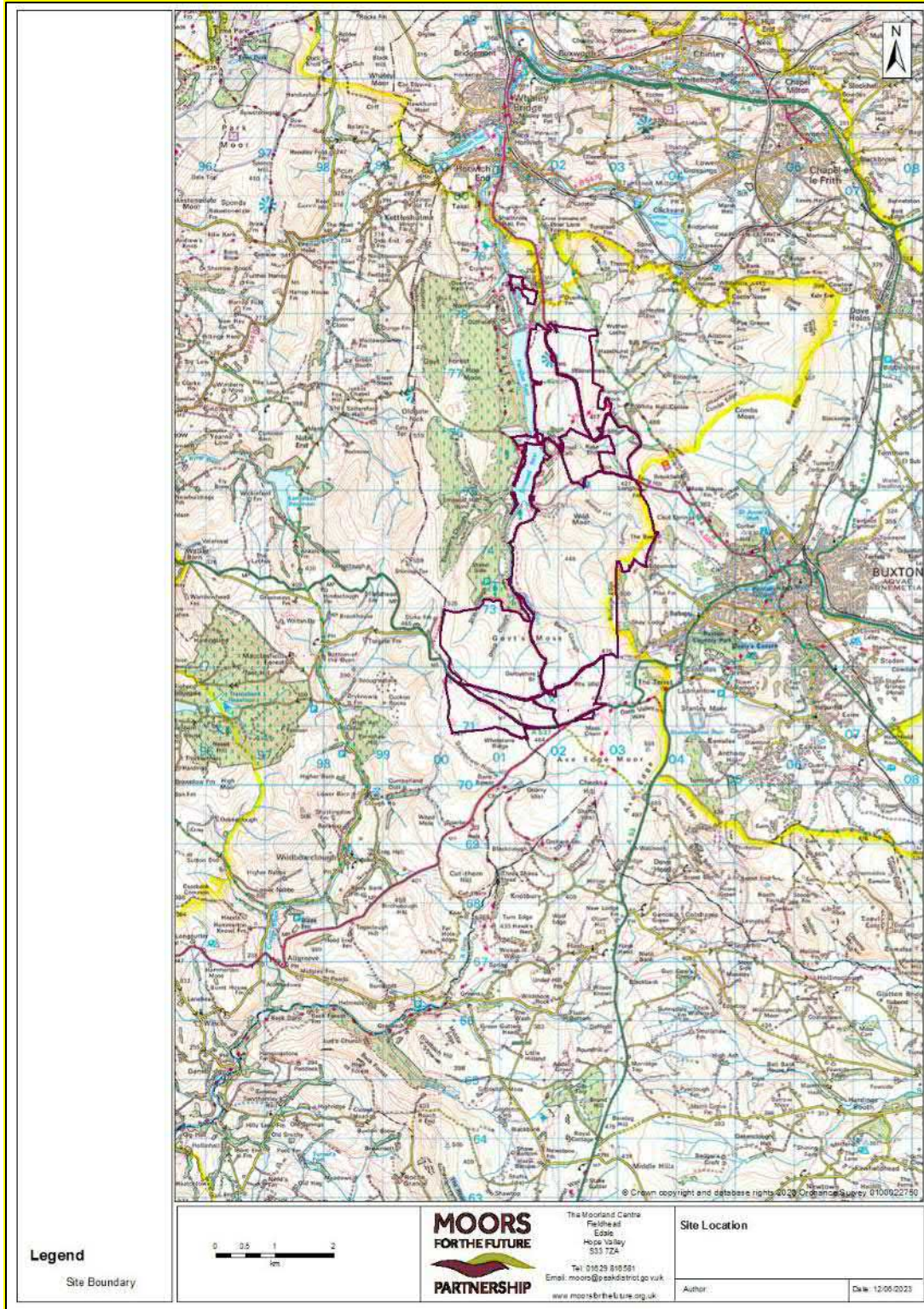
8.8. Hazards associated with the Works Sites:
NA

8.9. SSSI:
No

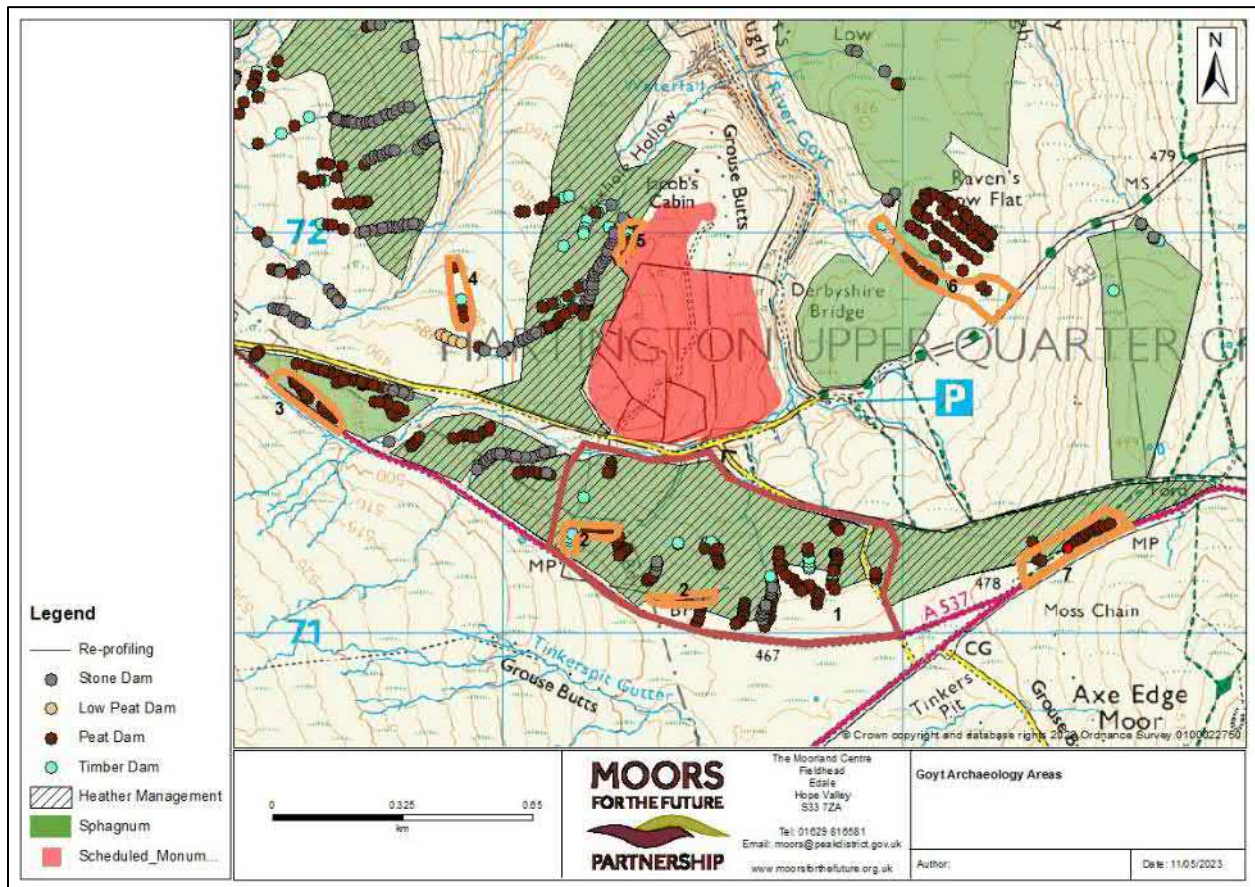
- 8.10. Storage of Materials allowed at lift site:
Yes (TBC)
- 8.11. Helicopter refuelling permitted:
Yes (TBC)
- 8.12. Traffic management required:
Yes, for carpark (TBC)

9. WORKS MAPS

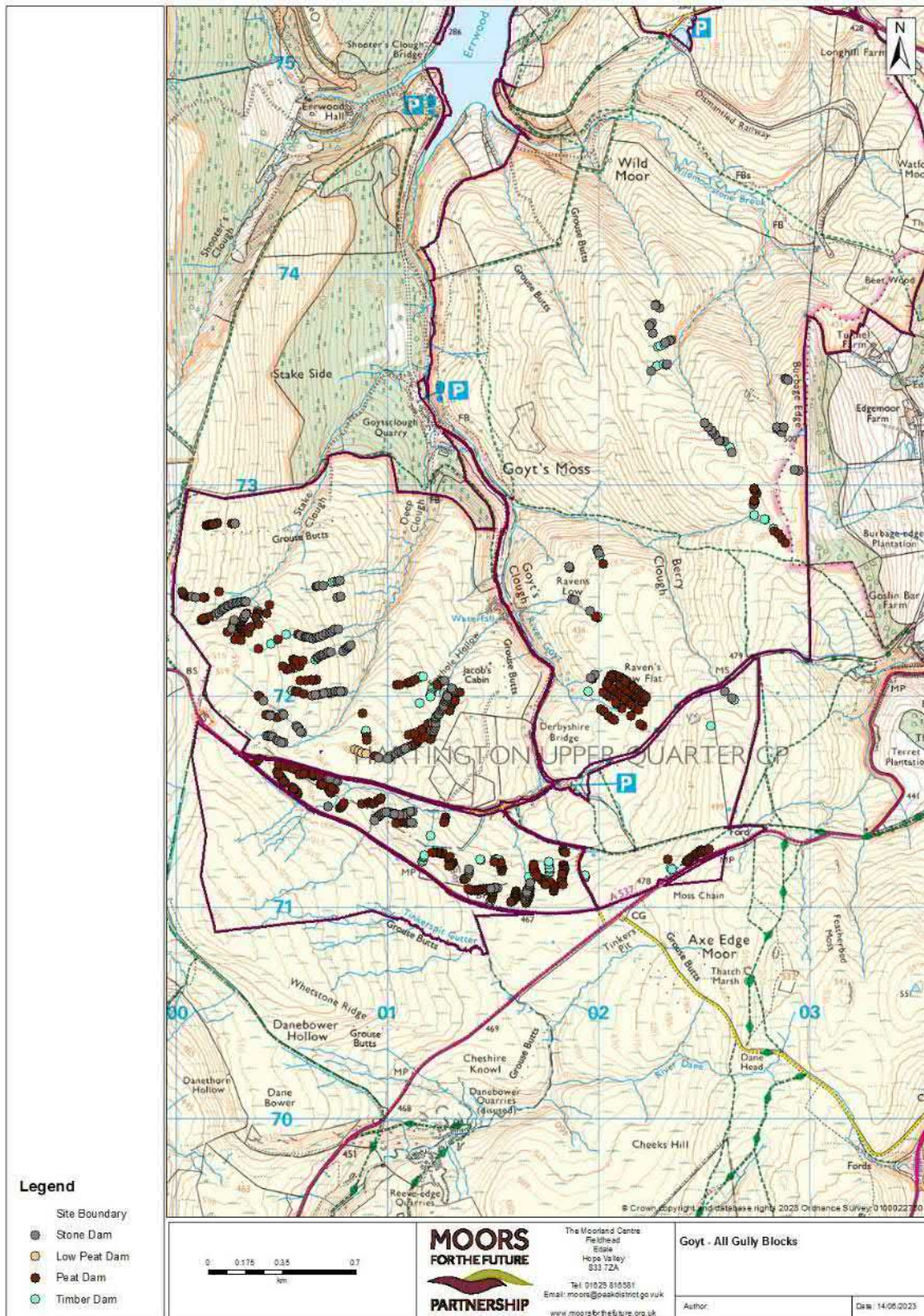
9.1. Site Location



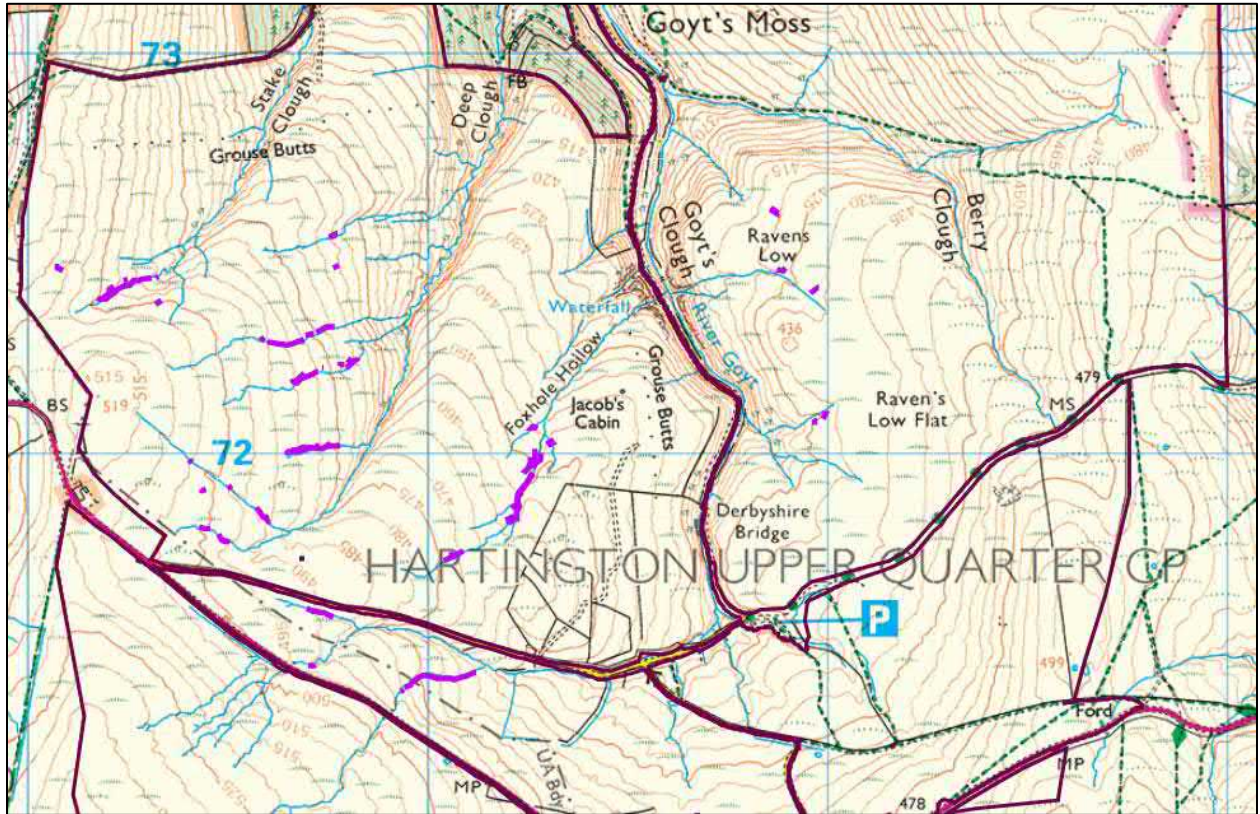
9.2. Areas of archaeological interest



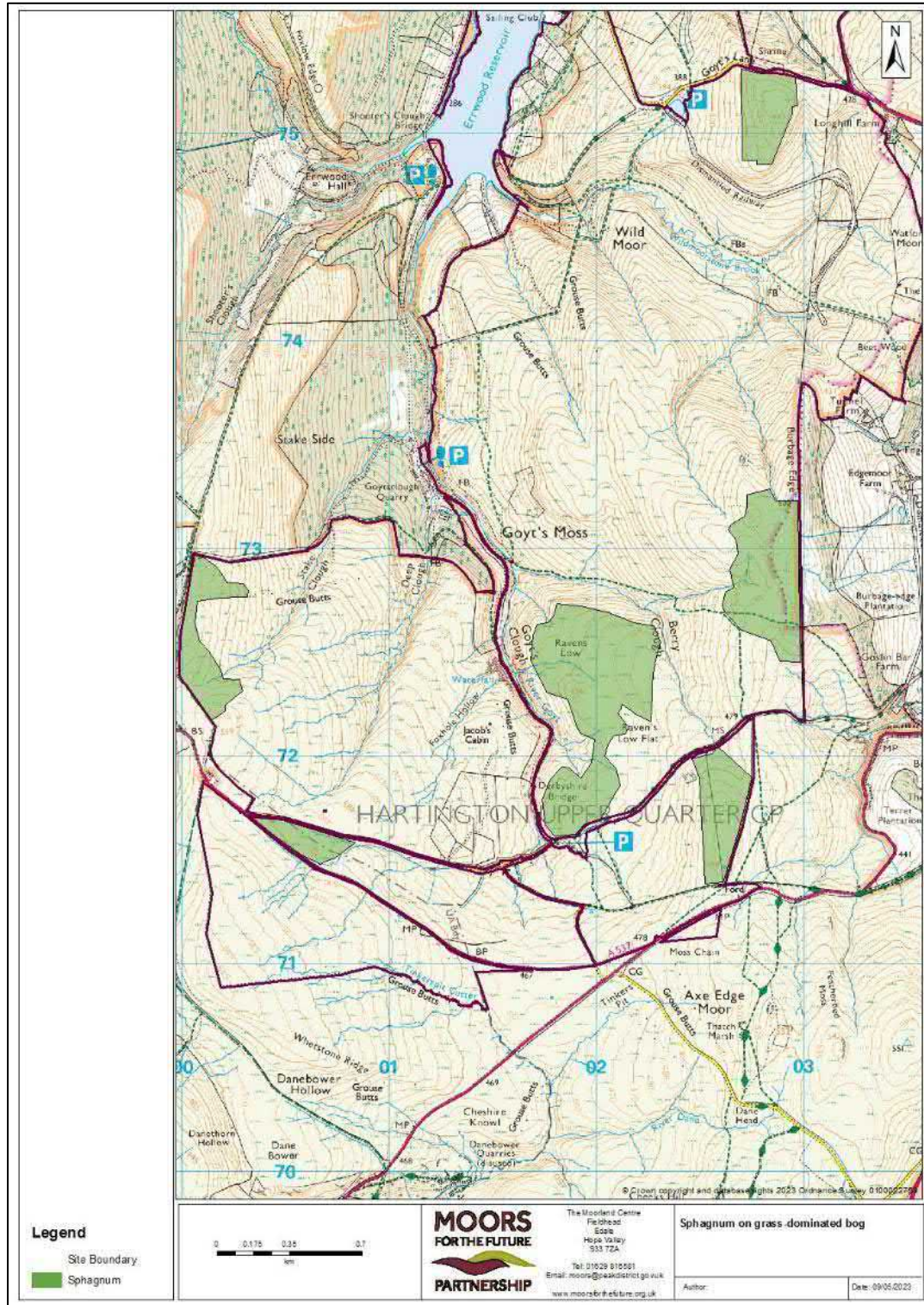
9.3. Gully block locations



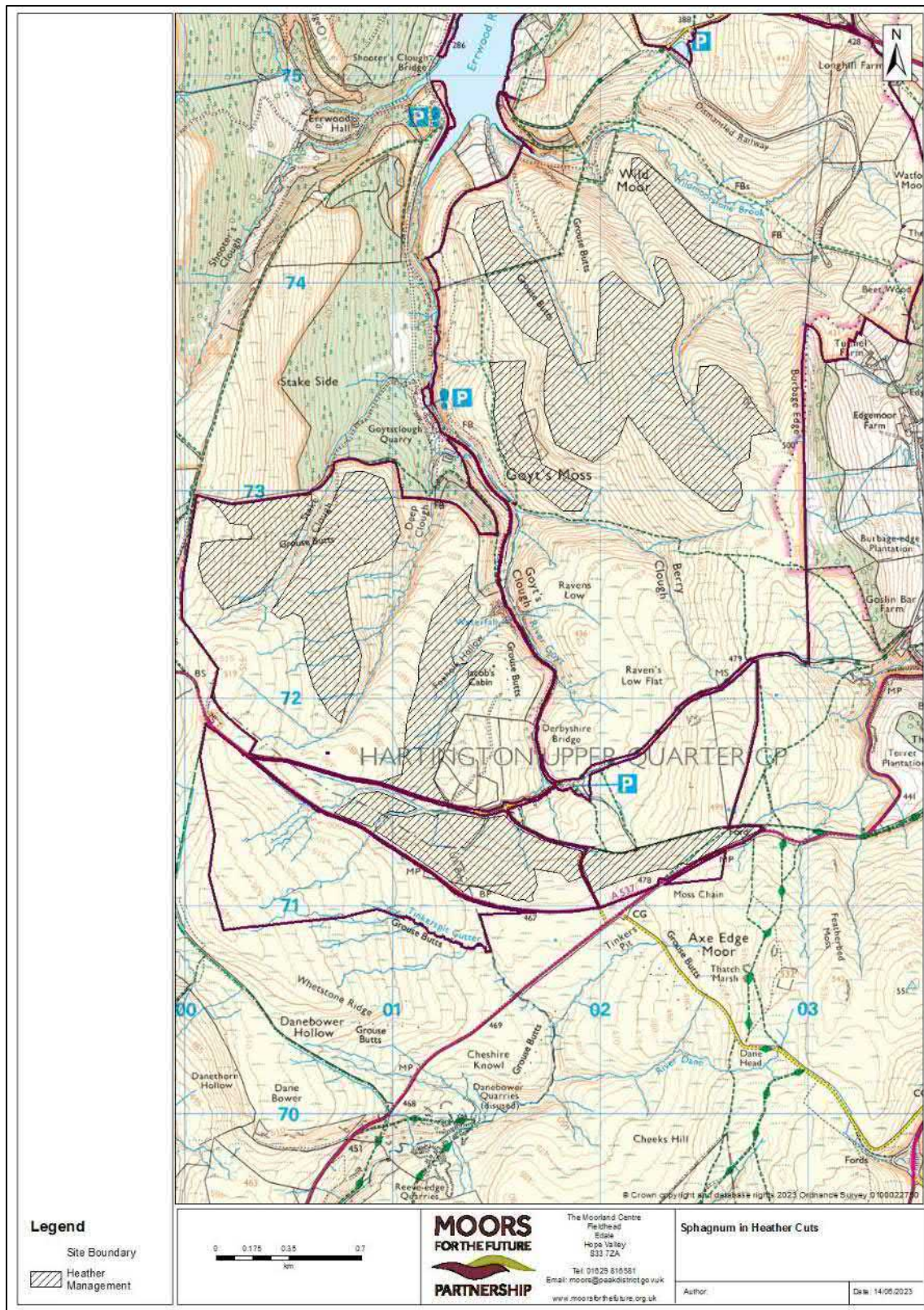
9.4. Reprofilng Locations



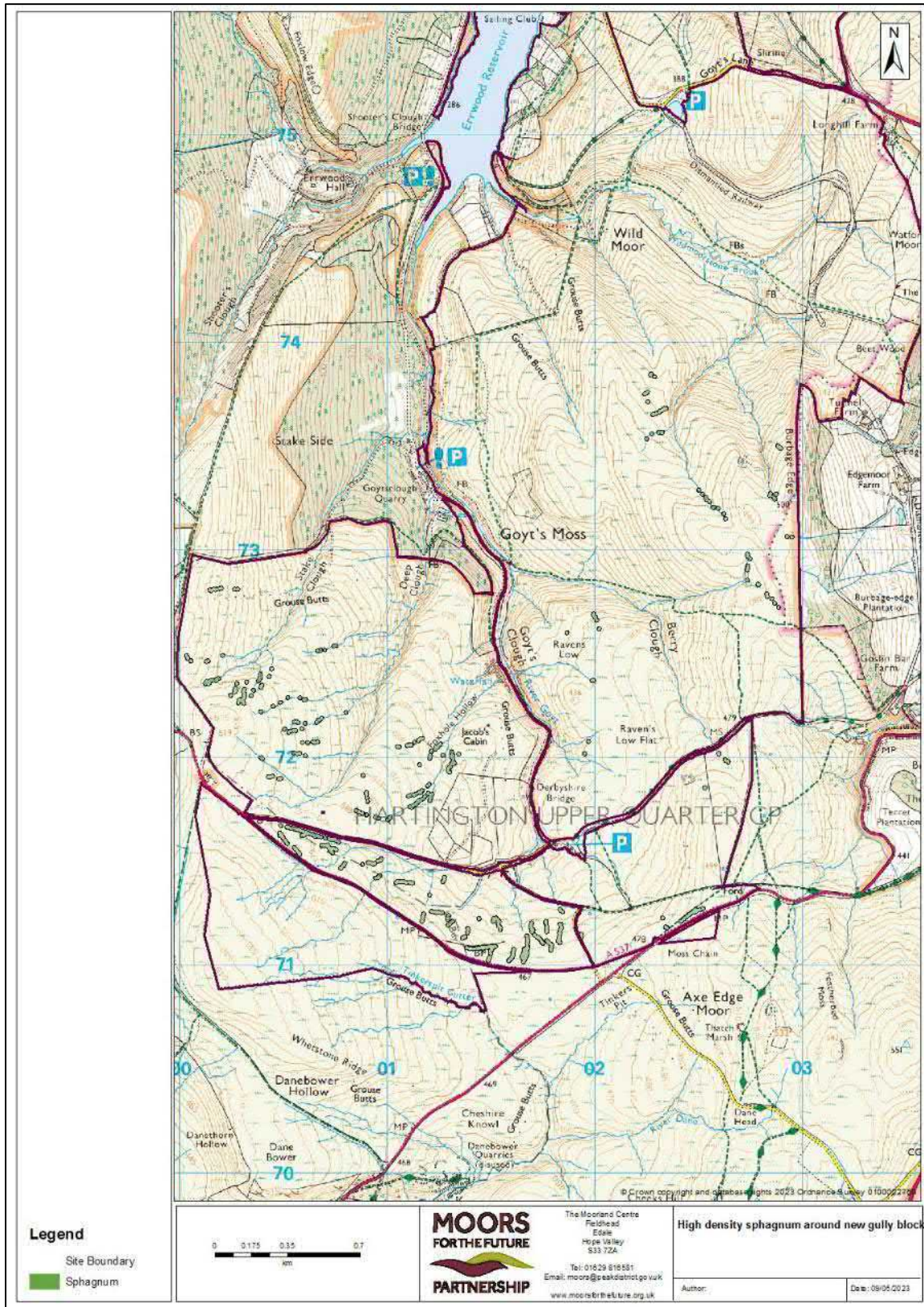
9.5. Sphagnum planting – bog



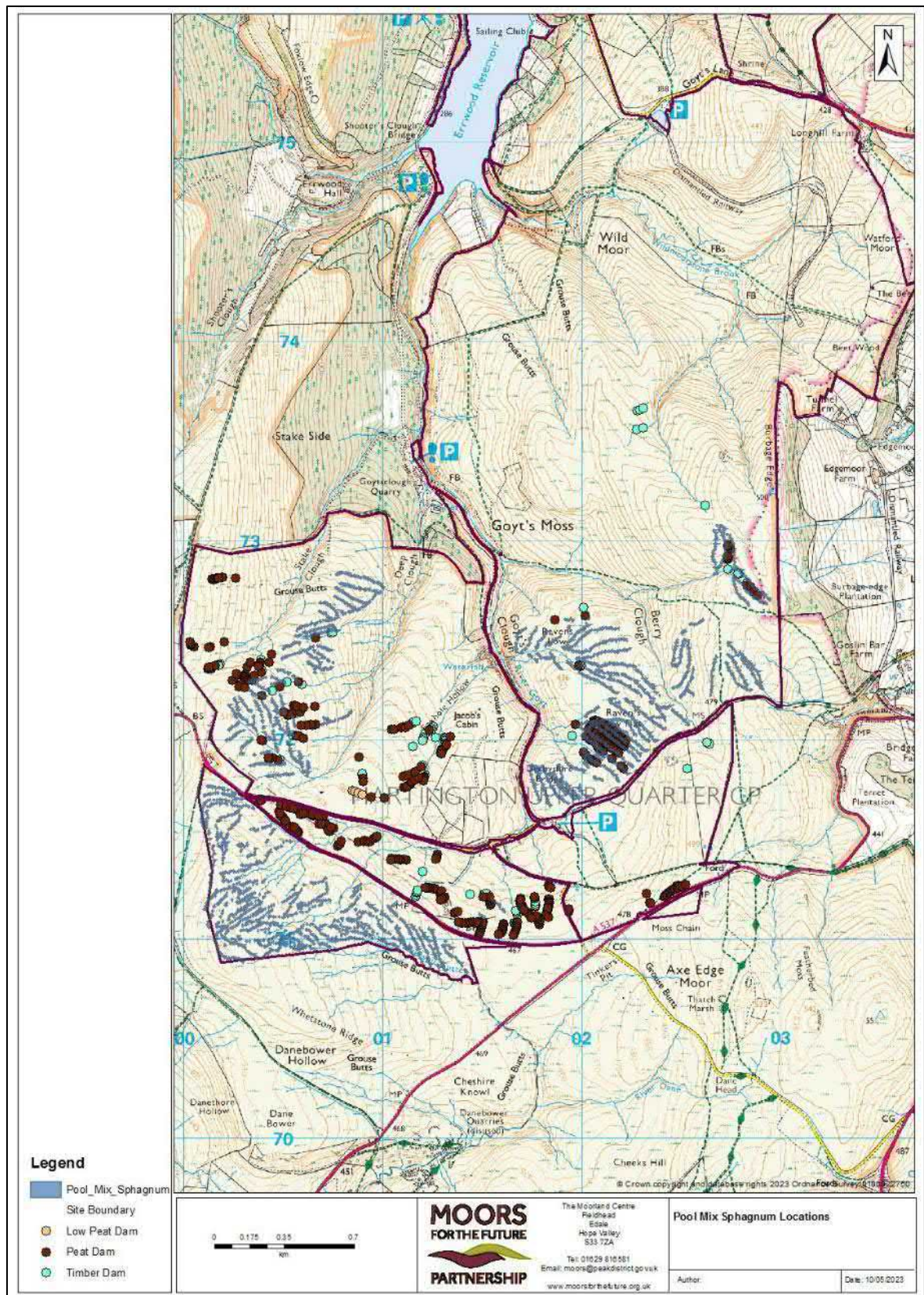
9.6. Sphagnum Planting – Cuts



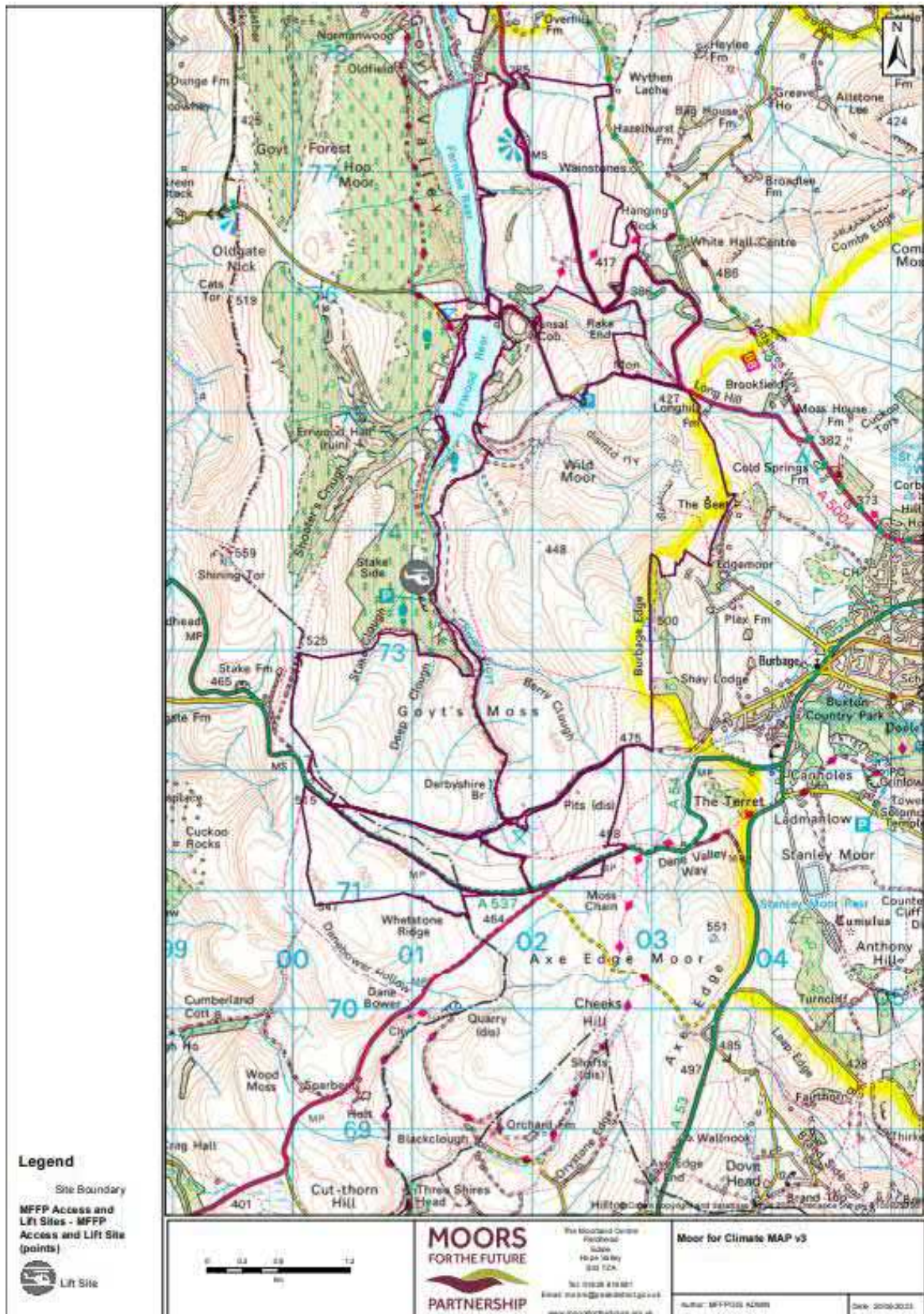
9.7. Sphagnum Planting – Gully Blocks



9.8. Sphagnum Planting – Pool Mix



10. Proposed Lift Site



Rough outline of potential lift site from gate and utilising the wide space of the crossroads (as far as land ownership issues allow). Location in wider context below.

