



Twizle Head Works – Package 6

Table of Contents

1.	WORKS QUANTITIES	3
2.	WORKS DATES & PROGRAMME	3
2.1.	Start Date:	3
2.2.	End Date	3
2.3.	Restricted Dates	3
2.4.	Works Phasing.....	3
3.	WORKS REQUIREMENTS - PACKAGE 6	4
3.1.	Planting of Sphagnum Moss Plug Plants	4
4.	WORKS SITE DETAILS	4
4.1.	Work Site Name:.....	4
4.2.	Description of Works Site location:	4
4.3.	Specified Access Points/Routes:	4
4.4.	Access Restrictions:	5
4.5.	Public Rights of Way / Footpaths:.....	5
4.6.	Vehicles allowed on Works Site:	5
4.7.	Livestock:	5
4.8.	Hazards associated with the Works Site:	5
4.9.	SSSI	6
4.10.	Scheduled Ancient Monuments and other Archaeology.....	6
5.	WORKS MAPS.....	6

1. WORKS QUANTITIES

The works on the Twizle Head site comprise 1 package, works package 6. Table 1 below identifies the quantity of work to be delivered for this package. Detailed requirements of the works package can be found in section 3. Works site and lift site information can be found in sections 4. Works maps can be found in section 5

Treatment & Unit	Delivery Year	Package 6
Sphagnum planting (@1250 plugs per ha) (plugs)	2023-24	168,750

2. WORKS DATES & PROGRAMME

2.1. Start Date:

1st February 2024

2.2. End Date

31st March 2024

2.3. Restricted Dates

No Restricted dates within this period.

Nesting bird season 2024: starting 1st April 2024; no works after 31 March 2024 will be permissible.

2.4. Works Phasing

Table 1 below provides suggested outline phasing/timing of the work element for package 6. 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 1 Suggested Outline Works Phasing

Year	Period	Works element
2023-2024	August 2023 to 31 January 2024	Pre-start meeting Agree Contract Documents Prepare RAMS
	01 February 2024 to 31 March 2024	Receiving deliveries of Sphagnum
		Sphagnum Planting
		Provision of Asbuilt GIS

3. WORKS REQUIREMENTS - PACKAGE 6

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. Planting of Sphagnum Moss Plug Plants

The contractor will be required to take delivery of, appropriately store and plant 168,750 Sphagnum moss plugs across approximately 135ha (equivalent density of 1250 plugs per ha.).

The contractor will be required to take delivery of the Sphagnum Moss Plugs, transport to the access point and then transport the Sphagnum Moss Plugs (by hand) on to the works site.

4. WORKS SITE DETAILS

4.1. Work Site Name:

Twizle Head

4.2. Description of Works Site location:

Approximate site centre at OS GR SE1099903299

The Works Site is part of the Twizle Head stakeholder area in West Yorkshire, approximately 5.5km southwest of the town of Holmfirth and east of the summit of Holme Moss. The site comprises open moorland/blanket bog on the north and northeast side of Britland Edge Hill and Wilmer Hill, generally draining to the north east towards Yorkshire Water reservoirs in the Holme catchment and is owned by Yorkshire Water Services, and borders land to the south owned by United Utilities.

The site lies within the South Pennine Moors 'Special Area of Conservation' (SAC) and the Peak District Moors 'Special Protection Area' (SPA). The site lies almost wholly within the Dark Peak SSSI, including all or portions of SSSI units 58, 59, 60, 61 and 64, however proposed works are predominantly within SSSI units 58, 59 and 64.

4.3. Specified Access Points/Routes:

- The works are considered to require pedestrian access only.
 - From Yorkshire Water Holme Moss car park at SE0977103889, across open moorland.
 - From Riding Wood Reservoir, via existing informal path up Ramsden Clough.
 - From SE1348304153 on Linshaw Road via existing track past Cooks Study Hill, and west of Snailsden reservoir, then over open moorland on Snailsden stakeholder area, crossing into Twizle Head via existing hurdle gate in fenceline (i.e. at SE1229003337).
 - The contractor may propose alternative pedestrian access routes.

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- The Contractor is required to avoid accessing over restored gully sides and vary access routes to avoid repeated access over sensitive ground (including eroding paths on deep peat).

4.4. Access Restrictions:

- *Site Access for Sphagnum planting planned between 01 February 2024 and 31 March 2024.*
- *Nesting bird season 2024: starting 1st April 2024 ; no works after 31 March 2024 permissible.*

4.5. Public Rights of Way / Footpaths:

No Public Rights of Way are within the site, however the site is Access Land pursuant to the CRow Act and a number of informal paths and desire lines are present and used. CONtractor

4.6. Vehicles allowed on Works Site:

No vehicles are anticipated to be required to be used on site as part of these works.

Contractors may park vehicles at the Yorkshire Water car park at Holme Moss Summit. Roadside parking may be possible along Linshaws road, however the access point from Linshaw Road must remain clear at all times for emergency access. Contractors should satisfy themselves as to the safety, suitability and rights to use such car parking and access routes.

Upon request, permission can be sought for parking of contractor's personnel vehicles at Cooks Study Hill.

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:

A summary of the main known hazards are identified to the Contractor in this section.

- The Works Site is on open moorland at high altitude and include waterlogged areas, deep peat, gullies, stream channels, steep slopes and unstable ground. Previous gully/grip blocking works (peat dams, stone dams, timber dams) have created peat dam pools in gullies and grips across the site.
- The Work Site is on Open Access land (pursuant to the CRow Act) so the Contractor must be aware of and have due regard to members of the public, who may be present at the Site, and ensure appropriate mitigation measures are in place.
- The Holme Moss TV mast is located to the west of the site. Under certain weather conditions, there is a risk of falling ice from the mast/cables in the immediate vicinity of the mast, close to the west of the site.
- The site is managed, in part, as a grouse moor. There should be no working on specific shoot days (works will stand down for shoot days and there will be no contractor access to the site). The grouse shooting season (12 August – 5 December) is envisaged not to conflict with the proposed works.
- UXO hazard is considered to be LOW (from Zetica Bomb Risk Mapping).

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- No known belowground services/utilities at the site.
 - No known aboveground/overhead services at the site
 - MFFP have appointed contractors undertaking other peatland restoration works at the site during the 2023-2024 works season, including within the proposed sphagnum planting areas.
 - The other restoration works includes the use of excavators (peat dams and reprofiling) and aerial load lifting.
 - The tenderer should allow for co-ordination with MFFP and MFFPs Contractors and allow for phasing of work areas to prevent conflict between activities and ensure safe working conditions for all parties.

4.9. SSSI

The site is located within the Dark Peak SSSI. SSSI Assent for these works is in place.

4.10. Scheduled Ancient Monuments and other Archaeology

Based on previous engagement with the PDNPA cultural heritage team, no designated Scheduled Ancient Monuments are located within the site, however a number of features of archaeological/historical interest are considered to be present at the site. These include possible marker mounds along the historical boundary on the south/southwest boundary and also wreckage associated with an aeroplane crash (in 1944) on Twizle Head Moss. The aircraft remains and debris are covered by the legal protection of the 1986 Protection of Military Remains Act, and must not be disturbed. Such features will likely require exclusion zones/and or consideration in developing work plans.

5. WORKS MAPS

1. Works site location map
2. Sphagnum Plug planting areas

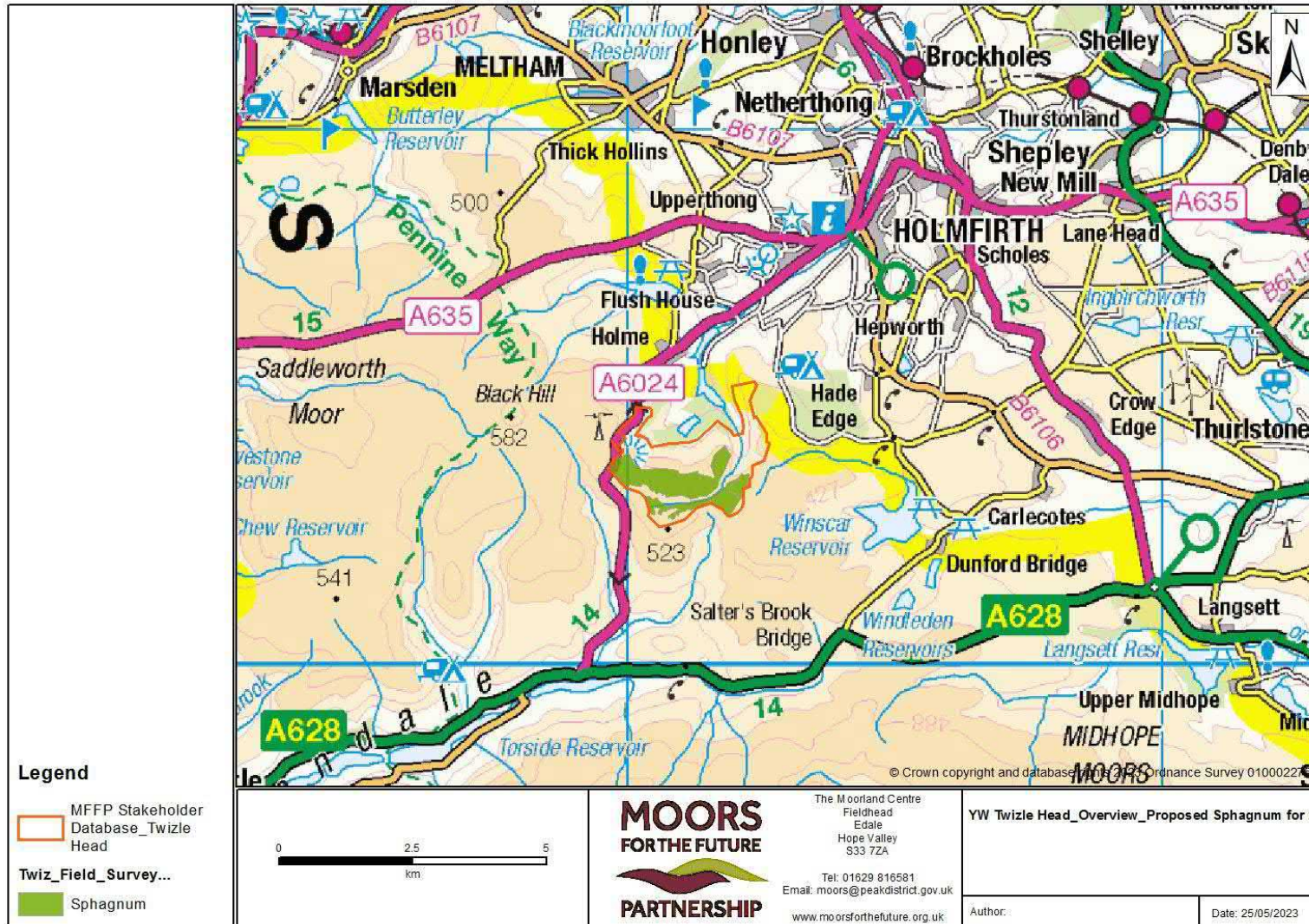


Figure 1 Work Site Location Map

Legend

-  MFFP Stakeholder Database_Twizle Head
-  Twiz_Field_Survey...
-  Sphagnum

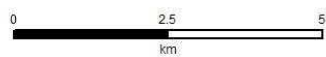


Figure 2 Proposed Sphagnum Planting Areas

