



Llyn Du, Cwmystadllyn

Tender Document for peatland restoration at Llyn Du, Cwmystadllyn.



Site location: Maes Llech Ganol, Cwm Ystradllyn, LL51 9BQ (SH561424)

Start date: 01/12/2025

Designations: SSSI Afon Ddu 31WZU / 2,965.00

Site Description

This Cwmystadllyn site is split into two parcels: the southern, larger section surrounds Llyn Ddu and the highest section of the Afon Ddu, and the smaller northern section lies along a tributary to the Afon Henwy (see site maps below).

The lake and stream that run through the southern section are part of the Afon Ddu SSSI, which runs 3 km downstream of the lake and is designated for one of the few remaining breeding populations of freshwater pearl muscles in Wales. The SSSI citation also notes the presence of otter, water vole, sea trout and native brown trout within the watercourse, so protection of this watercourse during the works is paramount.

Both sites have a gently sloping topography with an altitude of around 210 m. There is a mosaic of *Molinia*-dominated and near-natural lowland-raised bog, quaking bog, rush-dominated fen and rough grassland. These wetland habitats serve as protective buffers for the streams and are important habitats in their own right. The site is extremely wet in places, and the quaking bogs to the west of the site and around the north of the lake are too dangerous for machinery (marked on the maps below). Peat depth varies across the site, with over 4 m recorded at some points, and the deepest peat measured as 7.3 m.

Proposed works

There is a scattering of ditches across both sites, most of which are large and open (see maps below). These ditches will need to be blocked using conventional ditch blocking methods. However, we would like the finish of the site to look as natural as possible, so the size and shape of these ditch blocks can vary – e.g. curved vs. straight, shallow and deeper pools (not exceeding 50cm in depth), wider and narrower dams. The ditches should all be re-profiled in between the dams, ideally using ‘zipper’ techniques to flatten and fill the ditch as much as possible. There should be a ‘smooth’ finish to the ditch blocking works, leaving no bare peat and no rough edges.

The site has been extensively and repeatedly burnt in the past. Burning has artificially increased the cover of *Molinia*, which has become overly dominant across much of the site, reducing the diversity and abundance of other bog species. We are asking for sensitive restoration through scallop bunding in the most heavily *Molinia*-dominated areas. Scallop bunds are low, curved, surface-level bunds that slow water flow across the surface and create small, discrete pools across the site. The size and placement of these bunds will create a natural look, with a variety in size and shape of the pools, and a variety of pool depths (not exceeding 50cm). As with the ditch blocks, there should be a smooth finish to these bunds.

The site is grazed by cattle, and this will be an essential management tool for the site going forwards. Therefore, all bunds, ditch blocks and pools must be constructed with this in mind. Pools must have sloping edges, and bunds and blocks must be substantial enough to withstand cattle.

Restoration figures:

	Northern Section	Southern Section	Total
Ditches	1116m	3088m	4204m
Bunding area	5.83ha	9.67ha*	15.50ha

*1.22ha of the bunding area on the southern section is in a wetter area.

Equipment

Works will be carried out using low ground pressure tracked excavators and using bog mats where necessary to protect the vegetation and the peat. All machinery will need to be cleaned before coming onto site to ensure good biosecurity. Contractors will use GPS devices to locate the ditches and to record the dam locations. Contractors will use a pump system to re-fuel, minimising the risk of fuel spillage, and will re-fuel away from the main peatland area. As the site is easily accessible on foot, other vehicles such as quad bikes shouldn't be used.

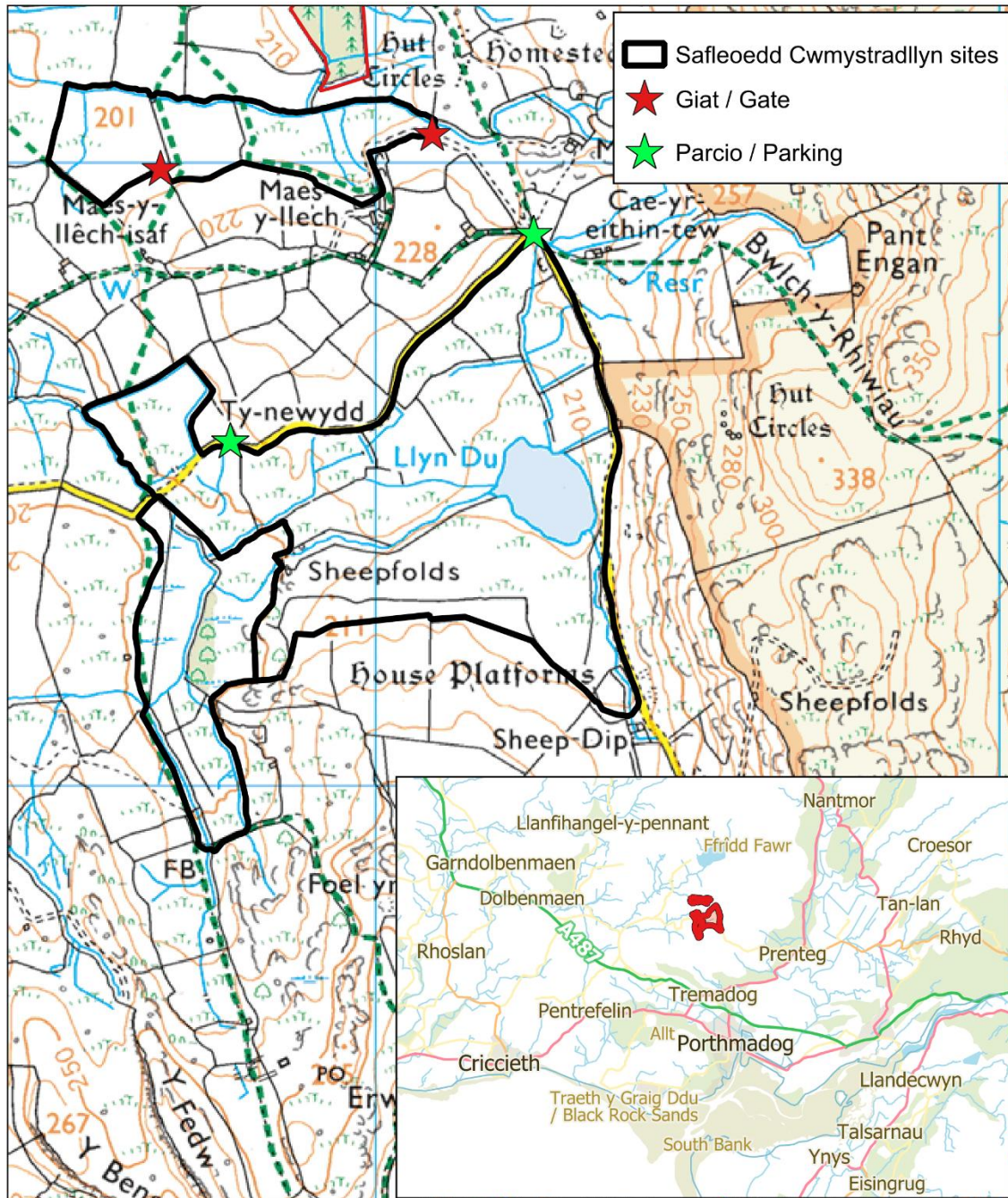
Submitting a tender

Please fill in the form at the bottom of this document and return by e-mail to rachel.harvey@eryri.llyw.cymru before noon on **Monday 22nd December 2025**. Tenders will be assessed on both price (40%) and quality (60%). Quotations received after this time will be rejected. ENPA will endeavour to inform the successful contractor within 2 days of this submission deadline.

If you have any questions regarding this work, then please contact Rachel Harvey on 007464 492647 or rachel.harvey@eryri.llyw.cymru. Successful contractors will need to provide a method statement, risk assessment (including environmental and bogging risk assessments), a copy of their public liability insurance (to a minimum value of £5 million), and a copy of their First Aid certification to ENPA before commencing works.

The timeframe for this work to be carried out is between **1st January** and **25th March 2026**.
The deadline for invoicing the work is **25th March 2026**.

Safleoedd Cwmystradllyn - Lleoliad a Mynediad Cwmystradllyn Sites - Location & Access



Graddfa / Scale: 1:9,000

Dyddiad / Date: 3/12/2025

Creawdwr / Creator: Rachel Harvey

© Hawlfraint y Goron a hawliau cronfa ddata 2025 AO AC0000825604
 © Crown copyright and database rights 2025 OS AC0000825604
 © Hawlfraint a hawliau cronfa ddata 2025 Awdurdod Parc Cenedlaethol Eryri
 © Copyright and database rights 2025 Snowdonia National Park Authority

Awdurdod Parc Cenedlaethol Eryri ~ Snowdonia National Park Authority
 Swyddfa'r Parc Cenedlaethol ~ National Park Office
 Penrhyndeudraeth
 Gwynedd
 LL48 6LF

☎ 01766 770274



Location and access – Cwmystradllyn Sites, LL51 9BQ (SH561424). Llyn Ddu, Cwmystradllyn is situated just north of Porthmadog. Access is along narrow roads, but there are some small places to park and deliver machinery. Access to the northern section of the site is via a track and gates from the neighbouring land.

Gogledd Cwmystradllyn North



Graddfa / Scale: 1:3,000

Creawdwr / Creator: Rachel Harvey
Dyddiad / Date: 3/12/2025



© Hawlfraint y Goron a hawliau cronfa ddata 2025 AO AC0000825604
© Crown copyright and database rights 2025 OS AC0000825604

© Hawlfraint a hawliau cronfa ddata 2025 Awdurdod Parc Cenedlaethol Eryri
© Copyright and database rights 2025 Snowdonia National Park Authority

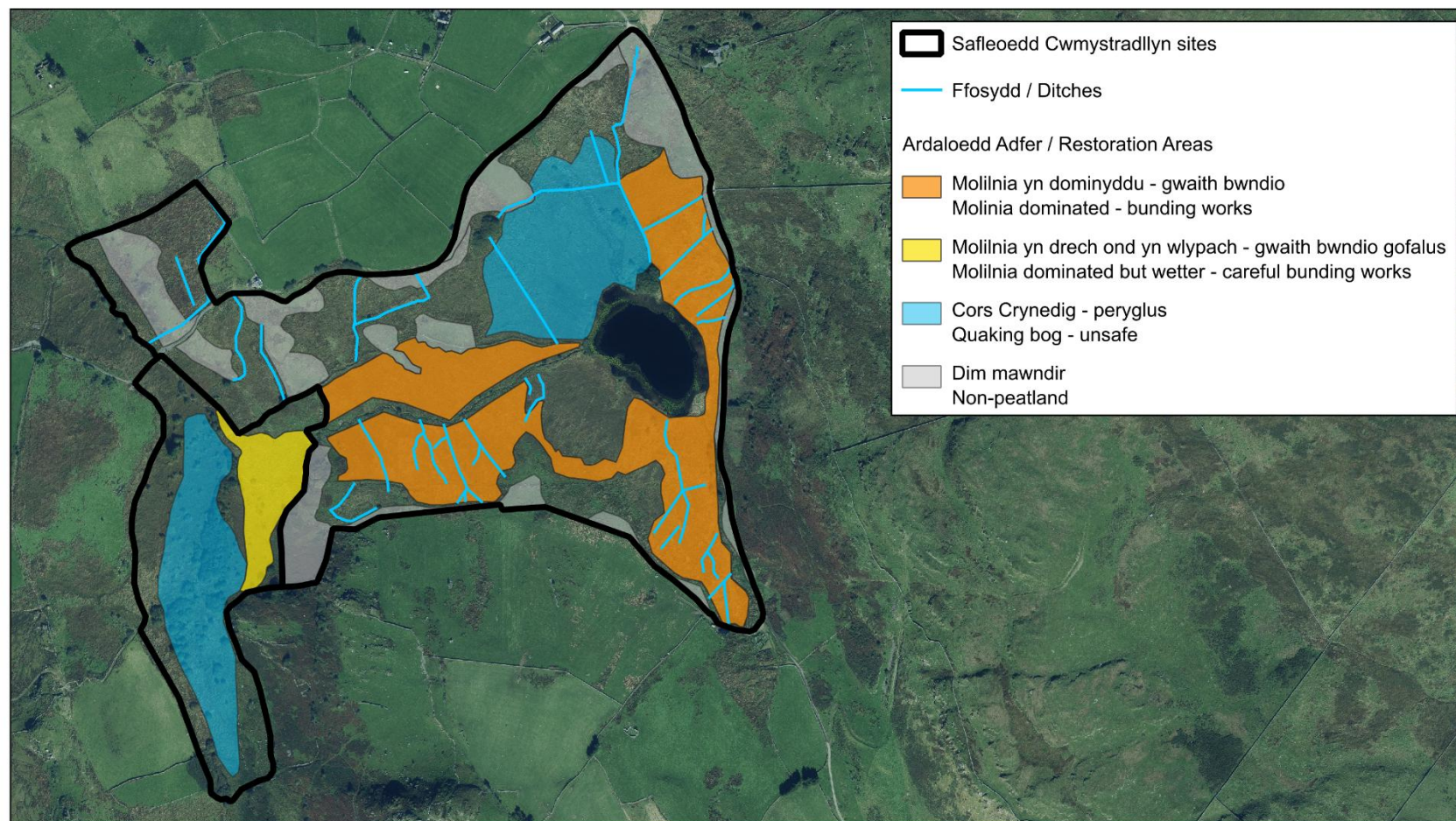
Awdurdod Parc Cenedlaethol Eryri ~ Snowdonia National Park Authority
Swyddfa'r Parc Cenedlaethol ~ National Park Office
Penrhyndeudraeth
Gwynedd
LL48 6LF

☎ 01766 770274



Cwmystradllyn North – Restoration Map: Ditches, Molinia-dominated areas, and quaking bog areas on Cwmystradllyn North. Conventional ditch blocking will be carried out on the ditches, where it is safe to do so, and sensitive bunding works will be conducted in the Molinia-dominated areas where it is safe to do so..

De Cwmystradllyn South



Graddfa / Scale: 1:7,000

Creawdwr / Creator: Rachel Harvey
Dyddiad / Date: 3/12/2025



© Hawlfraint y Goron a hawliau cronfa ddata 2025 AO AC0000825604
© Crown copyright and database rights 2025 OS AC0000825604

© Hawlfraint a hawliau cronfa ddata 2025 Awdurdod Parc Cenedlaethol Eryri
© Copyright and database rights 2025 Snowdonia National Park Authority

Awdurdod Parc Cenedlaethol Eryri ~ Snowdonia National Park Authority
Swyddfa'r Parc Cenedlaethol ~ National Park Office

01766 770274

Penrhyndeudraeth
Gwynedd
LL48 6LF



Cwmystradllyn South – Restoration Map: Ditches, Molinia-dominated areas, and quaking bog areas on Cwmystradllyn South. Conventional ditch blocking will be carried out on the ditches, where it is safe to do so, and sensitive bunding works will be conducted in the Molinia-dominated areas where it is safe to do so.

Quotes for restoration work

Input your quotes in the table below:

Site	Llyn Du, Cwmystradllyn
Total	
VAT @20%	
Total inc VAT	

Outline of proposed methods and equipment:

I confirm that I have visited this site before submitting this quote.

NAME:

COMPANY:

SIGNED:

DATE: