

**CYNGOR CEFN GWLAD CYMRU  
COUNTRYSIDE COUNCIL FOR WALES**

**SITE OF SPECIAL SCIENTIFIC INTEREST CITATION**

**POWYS**

**LLYN SYFADDAN (LLANGORSE LAKE)**

**Date of Notification:** 1954,1983

**National Grid Reference:** SO 133265

**O.S. Maps:** 1:50,000 Sheet number: 161  
1:25,000 Sheet number: SO 12

**Site Area:** 214.5 ha

**Description:**

Llyn Syfaddan is a large, shallow eutrophic lake with a mean depth of 2-3 metres lying in a kettle hole in Old Red Sandstone drift. It is the largest natural lowland water in South Wales, and one of the few eutrophic lakes in Wales. The vegetation is both abundant and rich, some of the species being very rare in Wales. Due to the nutrient-rich shallow water, the submerged vegetation is particularly rich in species. The fringing vegetation consists mainly of mixed stands of common reed *Phragmites communis* and bulrush *Typha latifolia*, with other reed-swamp associates, beyond which is a belt of floating-leaved plants, which include fringed water-lily *Nymphoides peltata*. The zooplankton and phytoplankton are dense, whilst the benthic invertebrate fauna contains 15 species of gastropod and 7 of leech, including the now very restricted *Hirudo medicinalis*. Due to its high biological productivity the lake attracts a variety of waterfowl. A typical eutrophic fish fauna is present, including roach, perch, pike and eels.

The lake no longer receives sewage effluent, so the gross nutrient enrichment from which it has suffered in the past is expected to lessen considerably. However, the water continues to be subject to intense recreational pressures, particularly from power-boating.

**Remarks:**

Within the Brecon Beacons National Park.

The lake and some of the adjoining land is registered as common land.

*This document is **NOT** a definitive legal version and has been formatted, updated and partially edited for use on the CCW Web site. This document should not be used in any legal proceedings, public enquiry or any other hearing or appeal. If you require a full legal copy of the document please contact CCW in writing.*