

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

SITE OF SPECIAL SCIENTIFIC INTEREST CITATION

CARDIFF

TY-DU MOOR

<u>Date of Notification:</u>	1999
<u>National Grid Reference:</u>	ST 108793
<u>O.S. Maps:</u>	1:50,000 Sheet number: 171 1:10,000 Sheet number: ST17NW
<u>Site Area:</u>	15.3 ha

Description:

This site is of special interest for its base enriched fen meadow vegetation, which is associated with a range of marshy grassland, flush, swamp and carr communities. Also of special interest is the population of broad leaved cotton grass *Eriophorum latifolium*.

Ty-du Moor is situated two kilometres north-west of St Fagans, near Cardiff and consists of a series of fields adjacent to the Nant Dowlais. The fields are low-lying (25-30 metres above sea level), with poorly drained peaty soils resting on glaciofluvial deposits.

Ty-du Moor supports a range of fen and fen-related communities. Of particular interest is the fen meadow vegetation dominated by blunt-flowered rush *Juncus subnodulosus*, associated with devil's bit scabious *Succisa pratensis*, marsh valerian *Valeriana dioica*, fen bedstraw *Galium uliginosum* and meadowsweet *Filipendula ulmaria*. Other small patches of fen meadow are dominated by purple moor grass *Molinia caerulea* often with meadow thistle *Cirsium dissectum*. Associated base rich flushes contain an abundance of moss and sedge species, including flea sedge *Carex pulicaris*, tawny sedge *Carex hostiana* and the moss *Campylium stellatum*.

Rush pasture forms a band between the wetter fen vegetation and the drier, semi-improved grassland on the raised ground at the periphery of the site. The rush pasture is characterised by sharp-flowered rush *Juncus acutiflorus*, lesser marsh bedstraw *Galium palustre* and marsh thistle *Cirsium palustre*. A few associated patches of vegetation are dominated by meadowsweet. In addition, stands of swamp vegetation are present and are typically dominated by lesser pond sedge *Carex acutiformis*. There is also a small stand of alder *Alnus glutinosa* dominated wet woodland.

Ty-du Moor supports populations of several species which are rare or uncommon in Glamorgan, including marsh helleborine *Epipactis palustris*, fragrant orchid *Gymnadenia conopsea* and yellow sedge *Carex viridula* sub-species *brachyrrhyncha*. The population of broad leaved cotton grass *Eriophorum latifolium* associated with the base-rich flushes is also of special interest.

*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.*