

Sites of Importance for Nature Conservation in Caerphilly County Borough Council	
<b><u>LDP Policy Ref. NH 3.33</u></b>	<b>SINC name: Pen-rhiw'r-eglwys, east of Markham</b>
<b>Grid reference: SO174011</b>	<b>Area (hectares): 2</b>
<b>Survey date: 17<sup>th</sup> August 2007</b>	<b>Surveyed by: Dr Peter Sturgess (Hyder Consulting Ltd.)</b>
<b>(UDP policy reference: C11.34)</b>	
<b>Summary description</b>	
A horse-grazed field with semi-improved neutral grassland and Bracken. The grassland species include Harebell, Common bird's-foot trefoil, Yellow rattle and Eyebright. A dense hedge of recently planted Hawthorn, Ash and Oak runs along the northwestern boundary.	
<b>Qualifying features</b>	
Semi-improved neutral grassland with at least 8 indicator species.	
<b>Secondary features</b>	
Hedge.	
Bracken.	
<b>Potential value/ unconfirmed features</b>	
The site could potentially support grassland fungi.	
<b>Current management (including problems and opportunities for biodiversity enhancement)</b>	
The fields appear to be intermittently grazed by horses, which is probably the optimal management for this type of grassland. Bracken control may be beneficial for biodiversity.	
<b>Access/ community use</b>	
There is no public access to the field, although public roads border three of the margins.	
<b>Additional information</b>	
The site appears to have been ungrazed for several months, with horses reintroduced shortly before the survey. Nearby horse-grazed fields at SO171012 and SO173011 (viewed from the road) also supported <i>Centaurea nigra</i> , <i>Campanula rotundifolia</i> , <i>Lotus corniculatus</i> , <i>Leontodon hispidus</i> and <i>Ranunculus acris</i> , and appeared potentially suitable for grassland fungi. Further survey may confirm that these nearby fields meet SINC criteria and should be included at future review.	
<b>Species list (Dominant species, SINC Criteria, RDB or other notable indicator species)</b>	
(LBAP species shown in <b>bold</b> , species confirmed by 2007 survey in <i>italics</i> )	
<b><u>Hedgerow trees and shrubs:</u></b> <i>Crataegus monogyna</i> , <i>Fraxinus excelsior</i> , <i>Betula pendula</i> , <i>Rubus fruticosus</i> , <i>Quercus petraea</i> .	
<b><u>Grassland species:</u></b> <i>Centaurea nigra</i> , <i>Pilosella officinarum</i> , <i>Campanula rotundifolia</i> , <i>Euphrasia</i> sp., <i>Rhinanthus minor</i> , <i>Trifolium pratense</i> , <i>Lotus corniculatus</i> , <i>Plantago lanceolata</i> , <i>Rumex acetosa</i> , <i>Achillea millefolium</i> , <i>Digitalis purpurea</i> , <i>Rumex obtusifolius</i> , <i>Potentilla erecta</i> , <i>Cirsium arvense</i> , <i>Senecio jacobaea</i> , <i>Dactylis glomerata</i> , <i>Agrostis capillaris</i> , <i>Festuca rubra</i> , <i>Holcus lanatus</i> , <i>Lolium perenne</i> , <i>Anthoxanthum odoratum</i> , <i>Arrhenatherum elatius</i> , <i>Carex ovalis</i> , <i>Luzula campestris</i> ,	

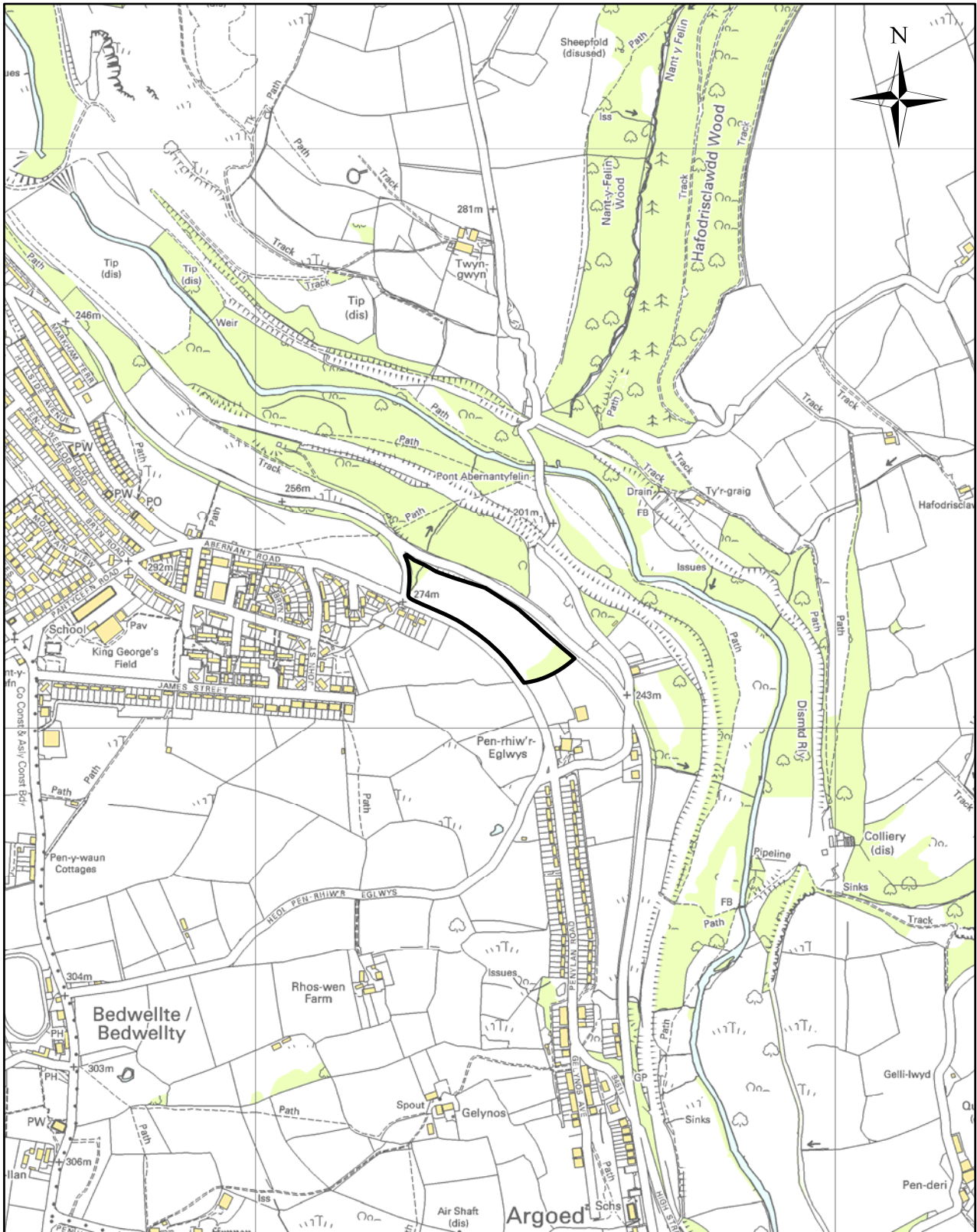
*Pteridium aquilinum*, *Rhytidiadelphus squarrosus*.

Fauna observations: *Meadow Brown Butterfly*, *Burnet Moth*.

Additional information from desk study: *Galium saxatile*, *Conopodium majus*.

Caerphilly County Borough Council  
Site of Importance for Nature Conservation  
LDP Policy Ref: NH 3.33 (SINC 034)  
Pen-Rhiw'r-Eglwys, East of Markham 2 Ha

1:10,000



Reproduced from the Ordnance Survey mapping with the permission of the Controller of Her Majesty's Stationery Office Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. Caerphilly County Borough Council, 100025372, 2008.

Atgynhychwyd o fapiad yr Arolwng Ordnans gyda chaniatad rheolwr Llyfrfa ei Mawrhydi hawlfraint y Goron. Mae atgynhychu heb awdurdod yn torri hawlfraint y Goron.  
Gall hyn arwain at erlyniad neu achos sifil. Cyngor Bwrdeistref Sirol Caerffili, 100025372, 2008.