

<b>Sites of Importance for Nature Conservation in Caerphilly County Borough Council</b>	
<b><u>LDP Policy Ref. NH 3.122</u></b>	<b>SINC name: Nant Cae-dudwg Mire, north of Senghenydd</b>
<b>Grid Reference ST118936</b>	<b>Area (hectares): 19</b>
<b>Survey date: 13<sup>th</sup> September 2007 Surveyed by: Dr Peter Sturgess (Hyder Consulting Ltd.)</b>	
<b>(UDP policy reference: C11.117)</b>	
<b>Summary description</b>	
<p>This field includes a series of damp fields beside the Nant Cae-dudwg stream. They include a mix of marshy grassland dominated by Purple moor-grass, semi-improved acid grassland dominated by rushes, and areas of Bracken. The most diverse habitat is in the eastern fields, which support areas of Purple moor-grass with abundant <i>Sphagnum</i> mosses and local Cranberry and Common cotton-grass. The locally uncommon moss <i>Leucobryum glaucum</i> is present at ST118936. The western fields are less diverse, with heavier grazing pressure from sheep, and evidence of past agricultural improvement. Alder, Oak and Willow trees line the stream corridor and signs of Water Voles have been recorded along it in recent years.</p>	
<b>Qualifying features</b>	
<p>Marshy grassland / flush with at least 14 indicator species.</p> <p>Presence of Water Vole and Brown Hare.</p>	
<b>Secondary features</b>	
<p>Stream.</p> <p>Semi-improved acid grassland.</p> <p>Scrub.</p>	
<b>Potential value/ unconfirmed features</b>	
<p>The area has potential to support breeding waders such as Curlew.</p> <p>The areas of tussocky grassland and scattered Bracken are likely to support reptiles.</p> <p>The stream and associated trees has potential for use by roosting and foraging bats.</p>	
<b>Current management (including problems and opportunities for biodiversity enhancement)</b>	
<p>Sheep graze the land with the heaviest grazing in the western fields. Drainage ditches are present around all of the fields and a new ditch has recently been created through one of the most diverse areas of marshy grassland at ST118936. Drainage is one of the threats to the nature conservation value of the area and it may be a precursor to ploughing, agricultural improvement or increased grazing pressure (the field at ST117937 had been ploughed shortly before the survey and has been removed from the SINC). Light grazing, preferably by cattle or horses, would be the preferred management for this type of habitat to enhance biodiversity. Blocking up of the drainage ditches would also be beneficial.</p>	
<b>Access/ community use</b>	
<p>A public footpath cross the site, but most of is not subject to public access.</p>	
<b>Additional information</b>	
<p>Sheep have heavily grazed the western fields, however, they have been retained within the SINC as they still hold some features of biodiversity significance, they may recover through more</p>	

appropriate management and they also form part of a single management unit.

**Species list (Dominant species, SINC Criteria, RDB or other notable indicator species)**

(LBAP species shown in **bold**, species confirmed by 2007 survey in *italics*)

Tree and shrub species (mainly along stream): *Salix cinerea*, *Crataegus monogyna*, *Quercus petraea*, *Prunus spinosa*, *Alnus glutinosa*, *Corylus avellana*, *Ilex aquifolium*, *Ulex europaeus*, *Betula pubescens*, *Salix aurita*, *Salix caprea*, *Fagus sylvatica*.

Ground flora species include: *Oxalis acetosella*, ***Hyacinthoides non-scripta***, *Digitalis purpurea*, *Potentilla erecta*, *Lysimachia nemorum*, *Holcus mollis*, *Agrostis capillaris*, *Juncus effusus*, *Pteridium aquilinum*, *Polytrichum formosum*, *Mnium hornum*, *Kindbergia praelonga*.

Marshy grassland, wet heath and flush species (in eastern fields ST118936): *Erica tetralix*, *Calluna vulgaris*, *Vaccinium myrtillus*, *Wahlenbergia hederacea*, *Ranunculus flammula*, *Viola palustris*, *Stellaria alsine*, *Cirsium palustre*, *Cardamine pratensis*, *Callitriche* sp., *Scutellaria minor*, *Potentilla erecta*, *Galium saxatile*, *Vaccinium oxycoccus*, *Hydrocotyle vulgaris*, *Valeriana officinalis*, *Epilobium palustre*, *Lotus pedunculatus*, *Potamogeton polygonifolius*, *Molinia caerulea*, *Glyceria fluitans*, *Agrostis canina*, *Nardus stricta*, *Carex panicea*, *Carex echinata*, *Carex viridula*, *Carex* cf *rostrata* (indeterminate), *Trichophorum cespitosum*, *Luzula multiflora*, *Eriophorum angustifolium*, *Juncus effusus*, *Juncus acutiflorus*, *Juncus bulbosus*, *Athyrium filix-femina*, *Dryopteris dilatata*, *Dryopteris carthusiana*, *Polytrichum commune*, *Sphagnum denticulatum*, *Sphagnum subnitens*, *Sphagnum palustre*, *Sphagnum papillosum*, *Sphagnum fimbriatum*, *Sphagnum capillifolium*, *Sphagnum fallax*, *Sphagnum cuspidatum*, *Sphagnum* cf *inundatum*, *Leucobryum glaucum* (ST118963), *Aulacomnium palustre*, *Hypnum jutlandicum*, *Calliergonella cuspidata*, *Calypogeia muelleriana*.

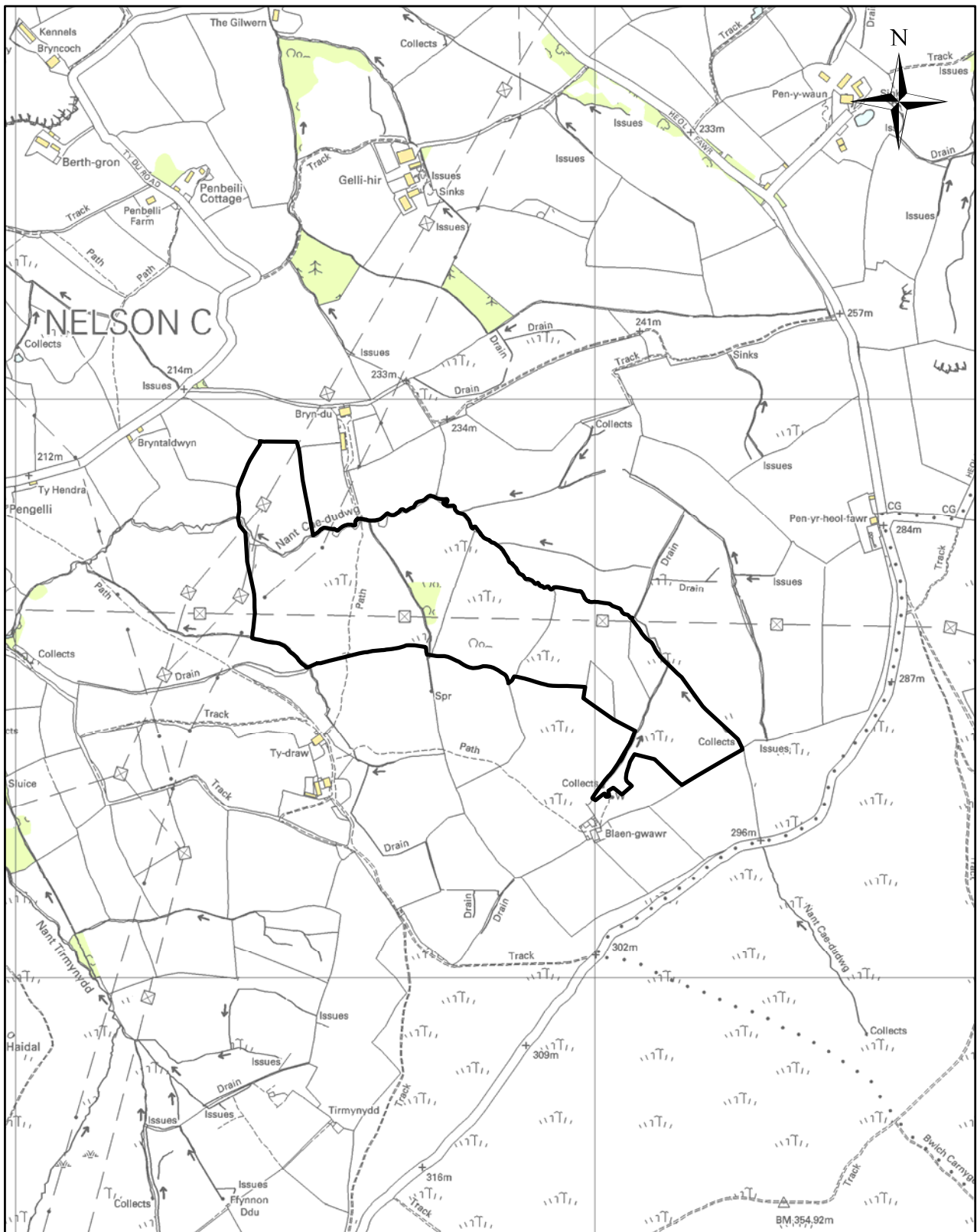
Marshy grassland (in western fields ST115937): *Ranunculus flammula*, *Galium palustre*, *Stellaria alsine*, *Cirsium palustre*, *Cardamine pratensis*, *Callitriche* sp., *Scutellaria minor*, *Potentilla erecta*, *Lythrum portula*, *Lotus pedunculatus*, *Agrostis stolonifera*, *Molinia caerulea*, *Deschampsia cespitosa*, *Lolium perenne*, *Anthoxanthum odoratum*, *Carex viridula*, *Juncus effusus*, *Juncus acutiflorus*, *Juncus bufonius*, *Juncus articulatus*, *Athyrium filix-femina*, *Pteridium aquilinum*, *Polytrichum commune*, *Calliergonella cuspidata*.

Fauna observations: **Brown Hare**, **Buzzard**, **Green Woodpecker**, *Raven*, *Great Spotted Woodpecker*, *Meadow Pipit*, *Stonechat*, *Chiffchaff*, *Wren*, *Jay*, *Nuthatch*, *Small Tortoiseshell Butterfly*, *Speckled Wood Butterfly*.

Additional records from desk study: **Water Vole**. Additional plant records from western fields: *Cirsium dissectum*, *Succisa pratensis*, *Pedicularis sylvatica*, *Angelica sylvestris*, ***Dactylorhiza maculata***, *Lychnis flos-cuculi*, *Valeriana officinalis*, *Nardus stricta*, *Carex nigra*, *Carex echinata*, *Luzula multiflora*, *Equisetum sylvaticum*, *Sphagnum* spp.

Caerphilly County Borough Council  
Site of Importance for Nature Conservation  
LDP Policy Ref: NH 3.122 (SINC 117)  
Nant Cae-Dudwg Mire, North of Senghenydd 19 Ha

1:10,000



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Gall hyn arwain at erlyniad neu achos sifil. Cyngor Bwrdeistref Sirol Caerffili, 100025372, 2008.