
FIELD MEETING REPORTS

REPORT OF BMIG FIELD MEETING AT CLAONAIG, KINTYRE, AUTUMN 2010: WOODLICE AND MILLIPEDES, INCLUDING ADDITIONAL SCOTTISH RECORDS OF *CHORDEUMA SYLVESTRE* C.L.KOCH AND *LEPTOIULUS BELGICUS* (LATZEL)

Steve J. Gregory

200 Ock Street, Abingdon, Oxfordshire, OX14 5DR, UK.

E-mail: stevejgregory@btopenworld.com

INTRODUCTION

A small group of BMIG members spent a week, from 11th to 18th September 2010, at Coalfin House on the Claonaig Estate, Kintyre. The principle aim was to record centipedes (Chilopoda), millipedes (Diplopoda) and woodlice (Isopoda; Oniscidea) on the estate and adjacent areas. Much of the Claonaig Estate is moorland, pasture and conifer plantations but there are also coastal woodland including the Oak *Quercus* woodland of Claonaig SSSI. Surveys were also undertaken other areas off the estate, including Skipness village and Tarbert town on the coast, and at Brodick Castle on the island of Arran.

A report on the centipedes recorded was given by Barber (2011). This report covers the woodlice and millipedes. A list of sites visited is given in Table 1. Species recorded from each site are listed in Table 2 (woodlice) and Table 3 (millipedes).

WOODLICE AND LANDHOPPERS

Eleven species of woodlice (Oniscidea) were recorded (Table 2), of which *Oniscus asellus*, *Porcellio scaber* and *Trichoniscus pusillus* agg. were by far the most frequently encountered species. A good suite of Trichoniscid woodlice were recorded including several species that are under-recorded in Scotland: *Androniscus dentiger*, *Haplophthalmus mengii* seg., *Trichoniscus pygmaeus* and on the coast *Trichoniscoides saeroeensis*. Also of note is a single record of *Platyarthrus hoffmannseggii* from the gardens of Brodick Castle on Arran, the second record from western Scotland of this south-eastern woodlouse (Gregory, 2009).

The Landhopper *Arcitalitrus dorrieni* (Amphipoda: Talitidae) was collected from the gardens of Brodick Castle on Arran. Although predominantly occurring in south west Britain, it has been known from the Scottish Islands of Colonsay since 1979 (Moore & Spicer, 1986) and subsequently from additional sites on the west coast of Scotland from Kintyre north to Inverewe, West Ross (Gregory, 2016, in this Bulletin). In Northern Ireland, on the opposite side of the Irish Sea, *A. dorrieni* has been widely recorded from ornamental gardens, such as those owned by The National Trust (Roy Anderson, pers. comm.) and it is probable that this will also prove to be the case in western Scotland.

MILLIPEDES

Nineteen species of millipede were recorded (Table 3). *Cylindroiulus punctatus* (28 sites) and *Tachypodoiulus niger* (23 sites) were the most frequently recorded, with *Cylindroiulus britannicus*, *Nanogona polydesmoides*, *Polydesmus angustus* and *Proteroiulus fuscus* also proving widespread. The record of *Glomeris marginata* from Brodick Castle on Arran is of note since this represents the northern limit of this species' range in Britain (Lee, 2006).

The overall highlight of the field meeting was finding the millipede *Chordeuma sylvestre* at Brodick Castle gardens on the Isle of Arran. Several specimens were collected from the gardens, including within a compost heap, and from inside glasshouses. In Britain this species was believed to be restricted to two sites in Cornwall (Lee, 2006) until its discovery at Culzean Castle gardens, Ayr in 2006 (Collis, 2007). Both Scottish sites (mapped in Fig. 1) are long-established ornamental gardens, where this millipede is likely to have been introduced. It may be worth searching for this species at other similar sites, but the situation is complicated by the presence of its congener *Chordeuma proximum* at other sites on the mainland (Barber & Gregory, 2008) and the Isle of Rum (Lee, 2006).

A close second, was the discovery of *Leptoiulus belgicus* at Talbert Harbour. Once thought to be restricted to south-west Britain, in 2001 it was reported from Scotland, on Eigg in the Inner Hebrides by Gordon Corbet (Lee, 2001). Five additional Scottish sites (within three 10km squares) were added during the BMIG 2007 field meeting in Oban (Barber & Gregory, 2008). The current Scottish distribution of *L. belgicus* is shown in Fig. 1. Its presence in the Western Isles is believed to be a natural extension of its strict Atlantic distribution (Lee, 2015) and it is likely to prove more widespread in western Scotland.

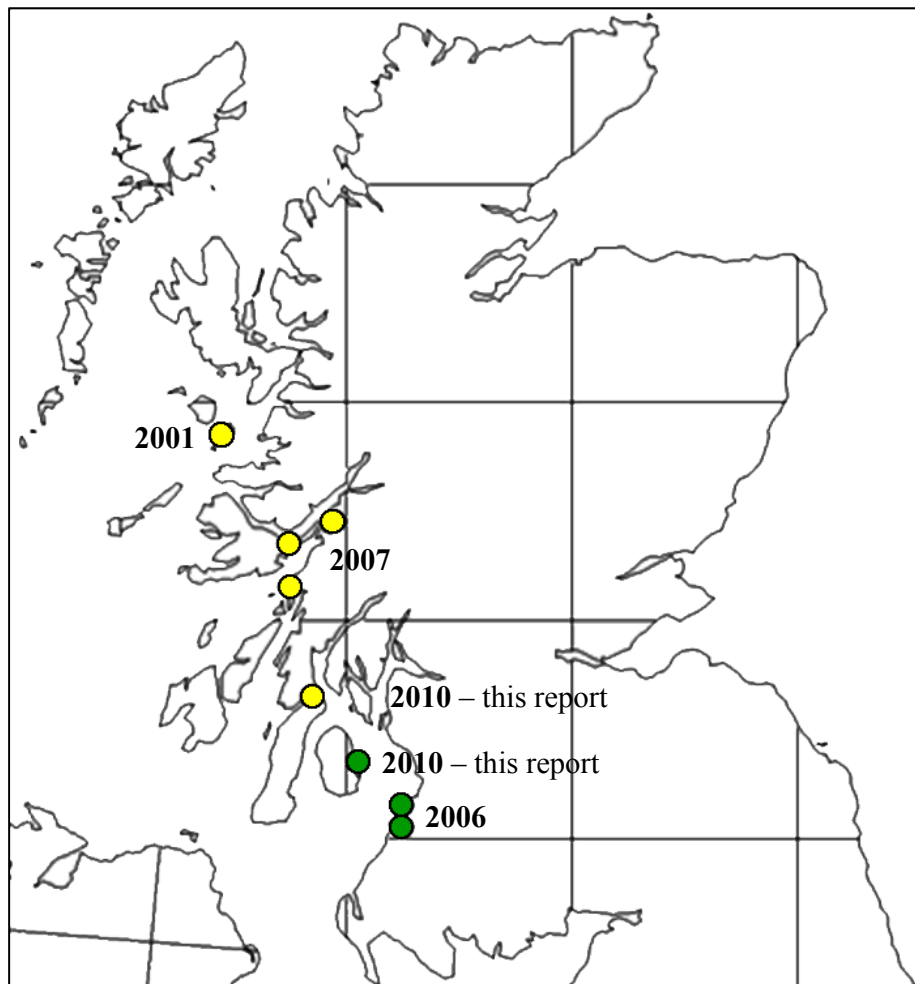


FIGURE 1: Scottish records of *Chordeuma sylvestre* (●) and *Leptoiulus belgicus* (●)
 Plotted at 10km resolution. 2001 - Gordon Corbet, Isle of Eigg; 2006 - BMIG Ayr field meeting (NB Culzean Castle lies within two 10km squares); 2007 - BMIG Oban field meeting; 2010 - BMIG Kintyre field meeting

Table 1: List of sites visited. Site code follows Barber (2011)

Collectors: ADB – Tony Barber; GMC – Glyn Collis; MDB – Mike Davidson; GH – Gordon Hunter; SJG – Steve Gregory

Site code	Locality	Detail	Grid Reference	VC	Date	Collectors
1a	Brodick Castle, Arran	Gardens	NS 01- 37-	100	13.ix.2010	ADB, SJG
1b	Brodick Castle, Arran	Outside glasshouses	NS 01- 37-	100	13.ix.2010	ADB
1c	Brodick Castle, Arran	Inside glasshouse	NS 01- 37-	100	13.ix.2010	ADB, SJG
2	Dunmore / Cnoc Eilid	By West Loch, Tarbert	NR 795 619 NR 795 620	101	14.ix.2010	ADB, SJG
3a	Tarbert Harbour	Waste ground, under stones, wood, etc.	NR 864 687	101	14.ix.2010	ADB, SJG
3b	Tarbert Kirk	Kirkyard	NR 863 686	101	14.ix.2010	SJG
4a	Skipness Woods, Kintyre		NR 897 573	101	11.ix.2010	ADB
4b	Skipness Woods, Kintyre		NR 902 579	101	17.ix.2010	MBD
5a	Claonaig Estate	Bridge beneath road	NR 898 577	101	15.ix.2010	SJG
5b	Skipness shore, Kintyre		NR 906 575	101	17.ix.2010	MBD
5c	Claonaig Estate	Beach east of ferry	NR 900 575	101	14.ix.2010	SJG
6	Skipness	Beside village hall - woodland	NR 897 573	101	11.ix.2010	ADB
7a	Skipness Castle, Kintyre		NR 908 577	101	17.ix.2010	MBD
7b	Kilbrannan Chapel, Skipness		NR 910 575	101	17.ix.2010	MBD
8	Claonaig Estate	Whitehouse Burn; grass, moor & conifers	NR 84- 60-	101	12.ix.2010	ADB, SJG
9a	Claonaig Shore	Kintyre	NR 886 565	101	12.ix.2010	MBD
9b	Skipness River (channel)	Kintyre	NR 895 588	101	12.ix.2010	MBD
10	Claonaig Estate	Allt a Chreamha (wet heath)	NR 888 584	101	14.ix.2010	MBD
11a	Claonaig Estate	Claonaig SSSI (Oak & Birch wood)	NR 859 554	101	14.ix.2010	ADB

Table 1: Sites visited (continued)

Site	Locality	Detail	Grid Ref.	VC	Date	Collectors
11b	Claonaig Estate	Claonaig SSSI (Oak wood)	NR 86- 55-	101	15.ix.2010	ADB, MBD
11c	Claonaig Estate	Claonaig SSSI (shingle beach)	NR 86- 55-	101	15.ix.2010	MBD, SJG
11d	Claonaig Estate	Coille Rubha Dhuibh	NR 86- 55-	101	15.ix.2010	SJG
12a	Claonaig Estate	Gortaneorn, derelict dwelling	NR 892 571	101	16.ix.2010	ADB, GMC, SJG
12b	Claonaig Estate	Old Chapel, stones grass	NR 871 566	101	15.ix.2010	ADB, SJG
13	Claonaig Estate	Gartavaitch, old sheep walk	NR 859 589	101	15.ix.2010	ADB, GH
14c	Claonaig Estate	Felled conifer plantation	NR 893 573	101	16.ix.2010	ADB
14d	Claonaig Estate	Farm buildings	NR 882 568	101	15.ix.2010	SJG
14e	Claonaig Estate	Auchameanach (woodland)	NR 881 565	101	13.ix.2010	GMC, MBD
16a	Skipness Kirk	Kirkyard	NR 903 578	101	16.ix.2010	SJG
16b	Sgier Bhuidhe	Pier House (east end of Skipness Road)	NR 921 597	101	16.ix.2010	SJG
17a	Claonaig Estate	Cnochán Tigh Searmaiche	NR 857 583	101	17.ix.2010	ADB, SJG
17b	Claonaig Estate	Birchwood & stones	NR 867 568	101	17.ix.2010	ADB
17c	Claonaig Estate	Sheepfold	NR 867 568	101	17.ix.2010	ADB
18	Claonaig Estate		NR 867 566	101	17.ix.2010	SJG
19a	Saddell Abbey, Kintyre		NR 784 320	101	16.ix.2010	MBD
19b	Carradale Harbour	Shingle	NR817386	101	16.ix.2010	MBD
19c	Brackley Burial Ground	Kintyre	NR793418	101	16.ix.2010	MBD
20a	Crarae Gardens	under stones, bark, among plant pots, etc	NR 98- 97-	98	18.ix.2010	ADB, MBD, SJG
20b	Crarae Gardens	Cool greenhouse	NR 98- 97-	98	18.ix.2010	ADB
20c	Crarae Cemetery		NR 986 972	98	18.ix.2010	SJG
21	Lochgoilhead	Coastal shingle and strandline	NN 199 013	98	18.ix.2010	SJG

Table 2: Woodlice and Landhoppers recorded during the BMIG Kintyre field meeting, September 2010

Species	Locality																
	1a	1c	2	3a	3b	4b	5a	5b	7a	7b	8	9a	9b	11a	11b	11c	11d
Amphipoda																	
<i>Arcitalitrus dorrieni</i>	X	X															
Isopoda																	
<i>Ligia oceanica</i>				X								X				X	
<i>Androniscus dentiger</i>	X	X			X			X	X								
<i>Haplophthalmus mengii seg.</i>					X		X			X							
<i>Trichoniscoides saeroeensis</i>													X			X	
<i>Trichoniscus pusillus agg.</i>	X		X		X			X			X	X			X	X	
<i>Trichoniscus pygmaeus</i>																	
<i>Oniscus asellus</i>			X	X	X	X		X	X	X	X		X	X	X	X	
<i>Philoscia muscorum</i>					X										X	X	X
<i>Platyarthrus hoffmannseggii</i>		X															
<i>Porcellio scaber</i>	X	X	X	X	X	X		X	X	X		X				X	
<i>Porcellio spinicornis</i>									X								

Table 2: Woodlice (continued)

Species	Locality														Total sites
	12a	13	14d	14e	16a	16b	17a	18	19a	19b	19c	20a	20c	21	
Amphipoda															
<i>Arcitalitrus dorrieni</i>															2
Isopoda															
<i>Ligia oceanica</i>						X				X				X	6
<i>Androniscus dentiger</i>					X					X		X		X	9
<i>Haplophthalmus mengii seg.</i>	X								X						5
<i>Trichoniscoides saeroeensis</i>														X	3
<i>Trichoniscus pusillus agg.</i>	X		X		X	X		X	X		X	X		X	17
<i>Trichoniscus pygmaeus</i>	X								X			X		X	4
<i>Oniscus asellus</i>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	26
<i>Philoscia muscorum</i>			X	X		X									7
<i>Platyarthrus hoffmannseggii</i>															1
<i>Porcellio scaber</i>	X		X	X	X	X	X	X		X	X	X	X	X	23
<i>Porcellio spinicornis</i>															1

Table 3: Millipedes recorded during the BMIG Kintyre field meeting, September 2010

MILLIPEDES	Locality																				
	1a	1b	1c	2	3a	3b	4a	4b	5a	5b	5c	6	7b	8	9a	9b	10	11a	11b	11c	11d
<i>Glomeris marginata</i>	X																				
<i>Chordeuma sylvestre</i>	X	X	X																		
<i>Melogona ?scutellaris</i>																					
<i>Nanogona polydesmoides</i>				X	X	X		X	X	X											
<i>Brachydesmus superus</i>																					
<i>Macrosternodesmus palicola</i>																					
<i>Polydesmus angustus</i>	X			X		X					X			X							X
<i>Polydesmus inconstans</i>																					
<i>Baniulus guttulatus</i>	X				X					X			X								
<i>Boreoiulus tenuis</i>																					
<i>Proteroiulus fuscus</i>	X			X				X	X					X		X					X
<i>Cylindroiulus britannicus</i>	X	X	X	X					X												X
<i>Cylindroiulus latestriatus</i>				X			X			X											X
<i>Cylindroiulus punctatus</i>	X	X		X	X	X		X	X					X	X	X		X	X	X	
<i>Julus scandinavius</i>																					
<i>Leptoiulus belgicus</i>					X																
<i>Ommatoiulus sabulosus</i>								X				X							X		X
<i>Ophiulus pilosus</i>	X			X															X		
<i>Tachypodoiulus niger</i>	X	X	X	X	X	X		X						X	X		X		X		X

Table 3: Millipedes (continued)

MILLIPEDES (cont.)	Locality																		Total sites	
	12a	12b	13	14c	14d	14e	16a	16b	17a	17b	17c	18	19a	19b	19c	20a	20b	20c		21
<i>Glomeris marginata</i>																				1
<i>Chordeuma sylvestre</i>																				3
<i>Melogona ?scutellaris</i>																X	X	X		3
<i>Nanogona polydesmoides</i>					X	X	X									X				10
<i>Brachydesmus superus</i>																		X		1
<i>Macrosternodesmus palicola</i>													X							1
<i>Polydesmus angustus</i>	X	X										X				X				10
<i>Polydesmus inconstans</i>									X											1
<i>Blaniulus guttulatus</i>															X	X		X		8
<i>Boreoiulus tenuis</i>							X													1
<i>Proteroiulus fuscus</i>							X	X								X				10
<i>Cylindroiulus britannicus</i>		X	X		X		X	X								X				12
<i>Cylindroiulus latestriatus</i>																			X	5
<i>Cylindroiulus punctatus</i>		X		X	X	X	X	X	X	X	X	X	X		X	X		X	X	28
<i>Julus scandinavus</i>																	X	X		2
<i>Leptoiulus belgicus</i>																				1
<i>Ommatoiulus sabulosus</i>																X				5
<i>Ophiulus pilosus</i>							X								X	X			X	7
<i>Tachypodoiulus niger</i>		X	X			X	X	X				X	X	X		X		X	X	23

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