

Wriggling Into Recording

Setting up the earthworm recording scheme

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London Natural History Society

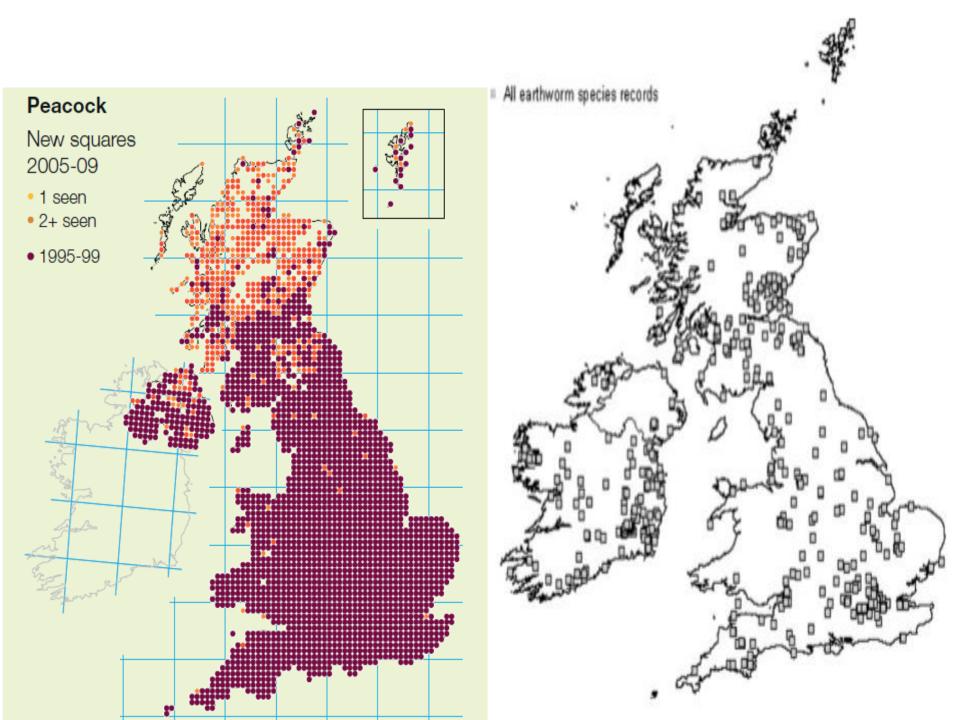




The Formation of Vegetable Mould Through the Action of Worms (1881) Darwin

"worms have played a more important part in the history of the world than most persons would at first suppose."













Earthworm Society of Britain

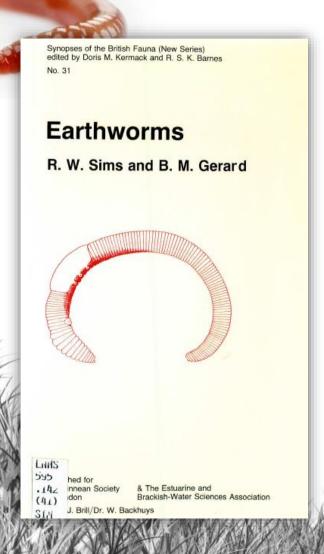




LOTTERY FUNDED



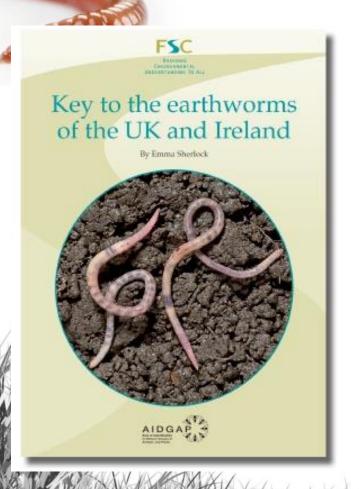
Problem 1: Identification Resources



Linnean Society Earthworm Synopsis (1999) by Sims & Gerard

- √ Very comprehensive
- ✓ Dichotomous key
- ✓ Line diagrams
- x Difficult to understand
- x Dated taxonomy
- x Expensive for volunteers (£18.50 + P&P)

Problem 1: Identification Resources



Key to the Earthworms of the UK & Ireland (2012) by Emma Sherlock

- ✓ Dichotomous key
- ✓ Easy to understand
- ✓ Summary comparison table of features
- ✓ Colour photographs
- ✓ Affordable (£7.50 + P&P)
- x Less comprehensive

Problem 2: Identification Training





Role of the NERS:

- Undertake sampling of areas for earthworms
- Train and support earthworm recorders
- Create guidance for earthworm recording
- Engage with the general public
- Collate all earthworm records of the British Isles
- Share ESB earthworm records through NBN

A recording scheme with no records

Time for a strategy... with defined targets...

- 1. 12 recorders actively collecting accurate earthworm records
- 2. 3 trainee identification course tutors enrolled during 2014
- 3. Produce 100 earthworm records (species X locality) during 2014

A recording scheme with no records

- No formal recording scheme collating records
- Need to access alcohol to preserve specimens when collected
- Earthworms live underground
- Current identification key was aimed at taxonomists
- No accessible earthworm ID training courses
- Need to have access to a microscope
- Need to kill specimens to identify



- No formal recording scheme collating records
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- No formal recording scheme collating records
- Need to access alcohol to preserve specimens when collected
- Earthworms live underground

Earthworm Recorder Pack





Earthworm Records Submission Sheet

Who		What		Where gas	When					
lecorder.	Daterminer	Verifier:	Species	Rumber	Grid Reference	Lattude	Longhide	Site Name	County	Date (dd/mmy)
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			87				_		-	
				44						4

Earthworm Field Sampling Form

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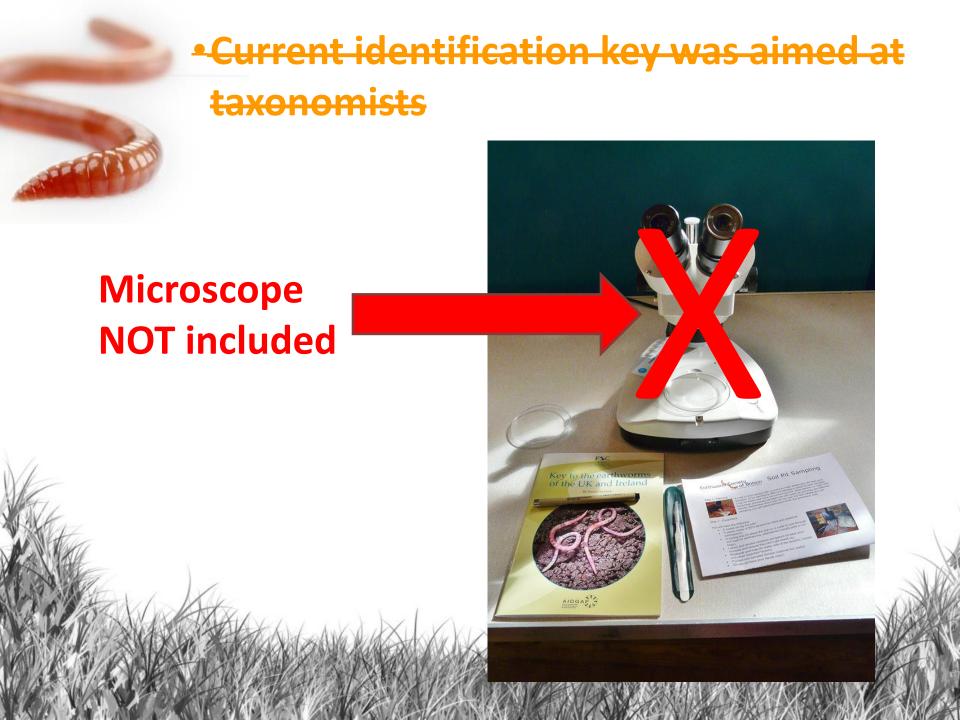
Earthworm Identification Features Sheet

Date	Site details	Epi or Tany	Male Pore	Clitellum	Start	End	Clindon	Setae Close or	Comments (including TP shape)	Species
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Current identification key was aimed at taxonomists







No accessible earthworm ID training courses







- Need to have access to a microscope
- Need to kill specimens to identify

Please note that the sampling day will require a reasonable level of fitness and these courses involve the collection and preservation of specimens

Snowdonia (30th - 31st July 2016)

Where: Rhyd y creuau FSC Field Centre, Conwy, Wales

Delivered in partnership with the FSC Tomorrow's Biodiversity Project.

Course fees: Non-members: £20 (includes 1 year membership and recorder pack)

Members: £15 (includes recorder pack)

ESB Trained Earthworm Recorders: No fee (though current membership is required)

For more information and to book a place on the course please contact Keiron Brown at keironderekbrown@gmail.com. Please note that the course fee does not include accommodation or food. Accommodation at the centre may be available to attendees at a discounted rate of £40 on the Saturday evening (including an evening meal and breakfast).



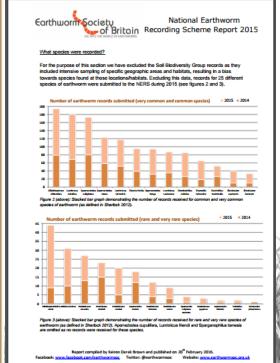


In addition...

















NATIONAL FORUM **FOR BIOLOGICAL RECORDING**





































