HOW DID THE ADDER BECOME EXTINCT IN WARWICKSHIRE?

Jan Clemons Warwickshire Amphibian & Reptile Team (WART)



THE WARWICKSHIRE ADDER HUNT



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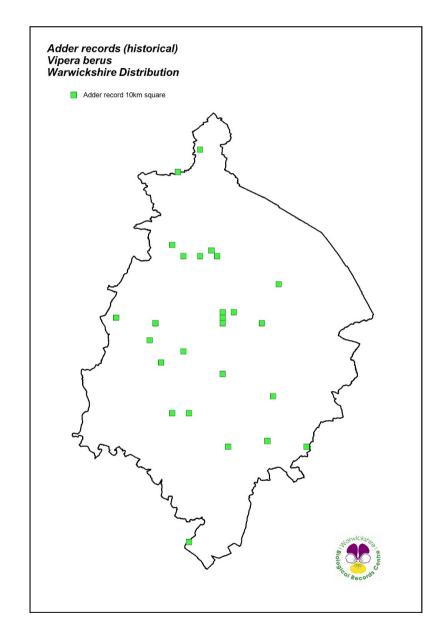


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- The adder then was acknowledged as rare in the Midlands and listed as a priority species on the current UK Biodiversity Action plan.
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- In 2004 WART became the lead partner for the adder in the Warwickshire, Coventry and Solihull Local Biodiversity Action Plan.
- The adder is acknowledged as rare in the Midlands and is listed as a priority species on the UK Biodiversity Action plan. Our first step was to determine the current distribution and status in the region.
- There were 24 sites where adders had been recorded so our first step was to go back to these sites to have another look.



What did we find out?



- Half the sites had gone due to urban development and unsympathetic agricultural practices.
- On the remaining 12 sites we placed arrays of refugia (tins, onduline, roofing felt) which were checked yearly for 3 years. 6 of these sites turned up grass snakes.
- After 3 years we narrowed the search down to 5 sites which seemed to have habitats suitable for adders and had recent records from the 1990's

Kenilworth Common

- Best reptile assemblage site in the county. Grass snake, common lizard and slow worm present.
- Adders reportedly translocated from the New Forest in the 70's. Not clear if 'native' population was still extant.
- Reports in local press of adder bites in late 90's.
- Highly likely adders were present.

WART Reserve



Sutton Park – technically in the Warwickshire Vice County

- Ranger reported seeing an adder under a refugia in 1998.
- Subsequent surveys failed to find adders
- Grass snakes and common lizard present
- Heavy grazing by ponies
- Highly likely adders were present



- MOD Kineton ex- county recorder 1996
- Convinced this was a misidentification after extensive survey work has only found grass snakes
- Habitat not right
- Unlikely adders were present
- Possible translocation site?





Packington Estate anecdotal evidence regarding persecution by gamekeepers in late 90's.

• Highly likely adders were present





Grendon Common

Best heathland habitat in the county. One adder record post 1990 submitted but yet to be validated.

- Grass snake, common lizard and slow worm present
- Possible translocation site?
- Unsure about past presence
- Atherstone 'Adders'?





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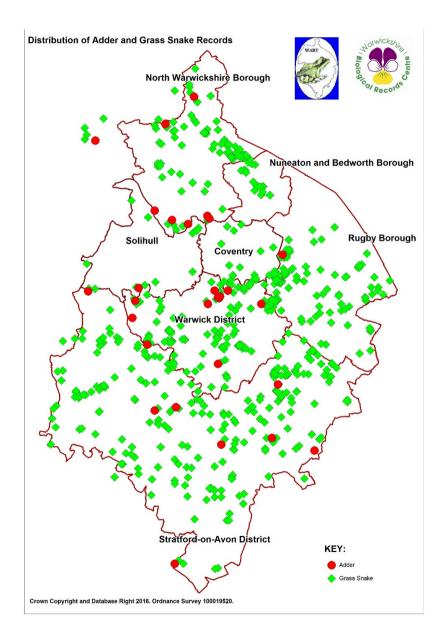
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- Misidentification both by the citizen scientist/naturalist and professional ecologist since biological recording started is more common than expected. This may have happened at several 'original' adder sites in the county





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- Other counties with small numbers of isolated adder sites could be in a similar situation and need to take action now before it's too late
- Should we therefore reintroduce adders to Warwickshire?
- We are now concentrating on common lizard and slow worm populations as these two species are not well recorded in the county either.



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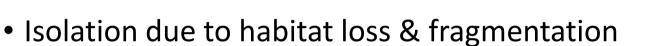
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- Unsympathetic habitat management and persecution by people
- Damage & disturbance for habitats
- Inbreeding depression?
- Compared to other UK reptiles, adders are slow breeding
- Grass snakes are commonly mistaken for adders





With thanks to:

- All our reptile recorders past & present especially the present WART committee:
- Camille Newton, Tim Jenkins, Ian Tanner, Louise Sherwell, Natalie Walker, Agni Arampoglou, Karl Curtis, Howard Eccles, Becky Harvey, Derek Colley

