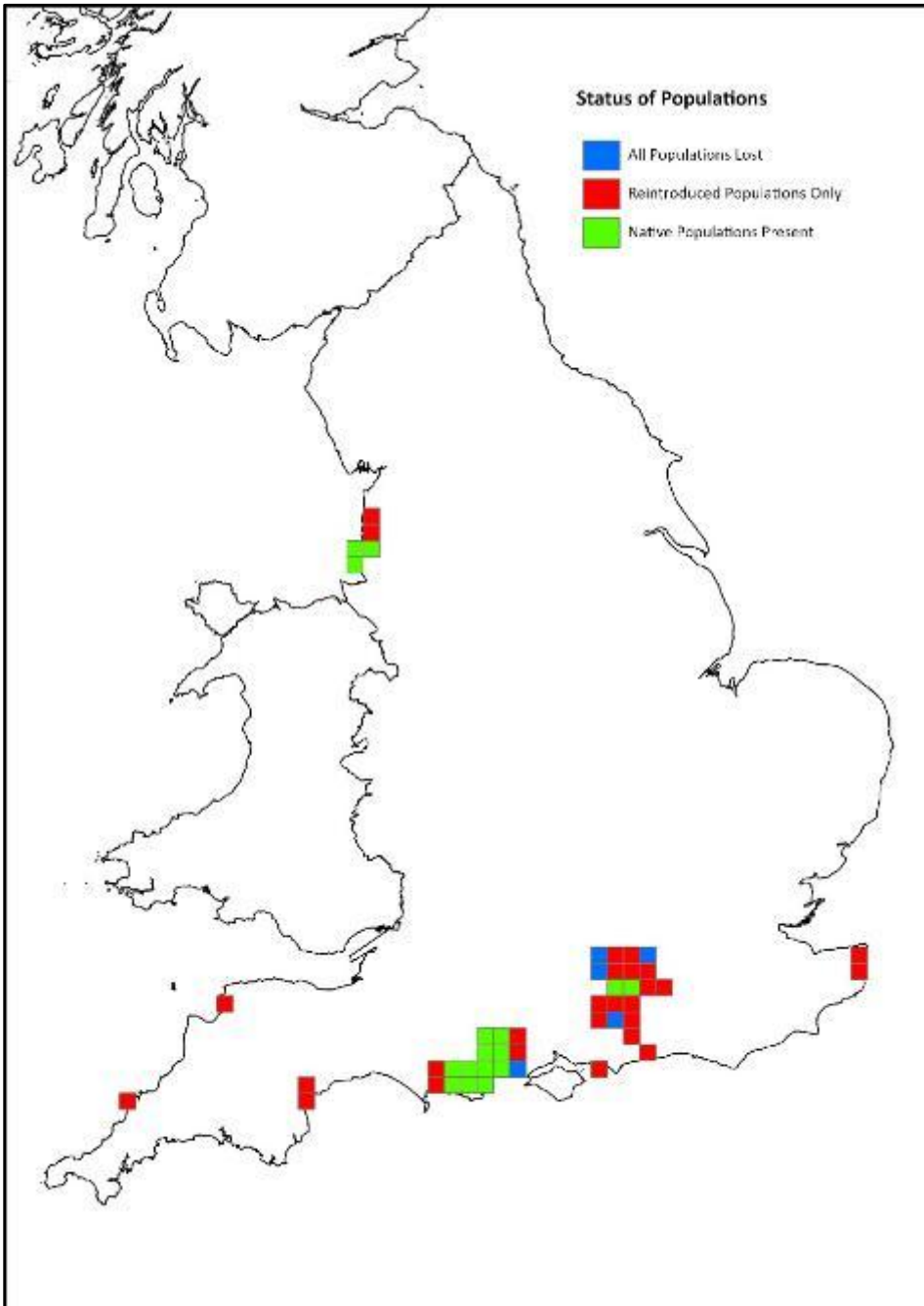


Should there be any sand lizards in the New Forest?

Paul Edgar, Amphibian & Reptile Conservation





Sand Lizard Range (ARC FCS Definition - England)

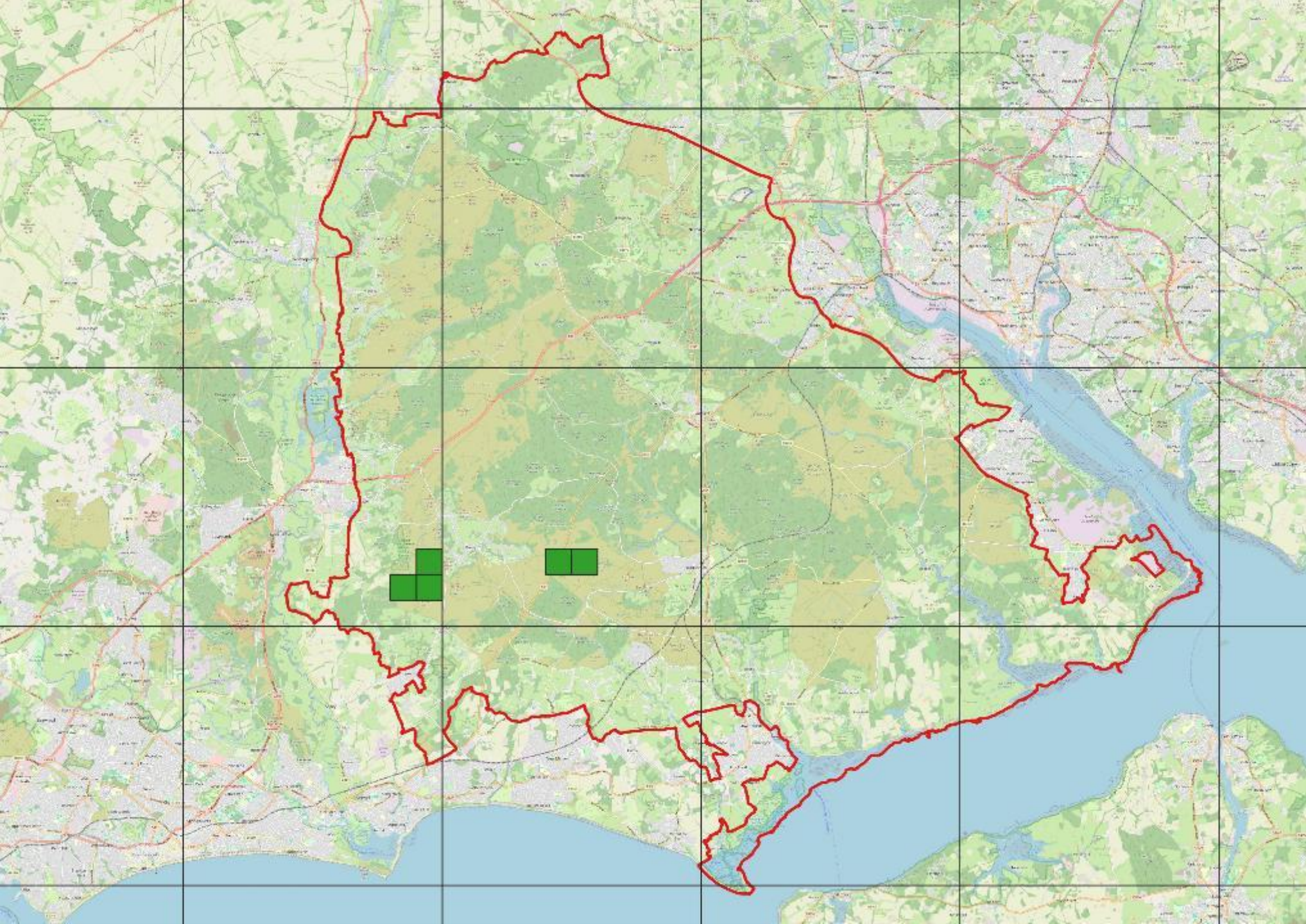
48 hectads = Favourable

Native populations = 16 hectads



Re-introduced = 27 hectads

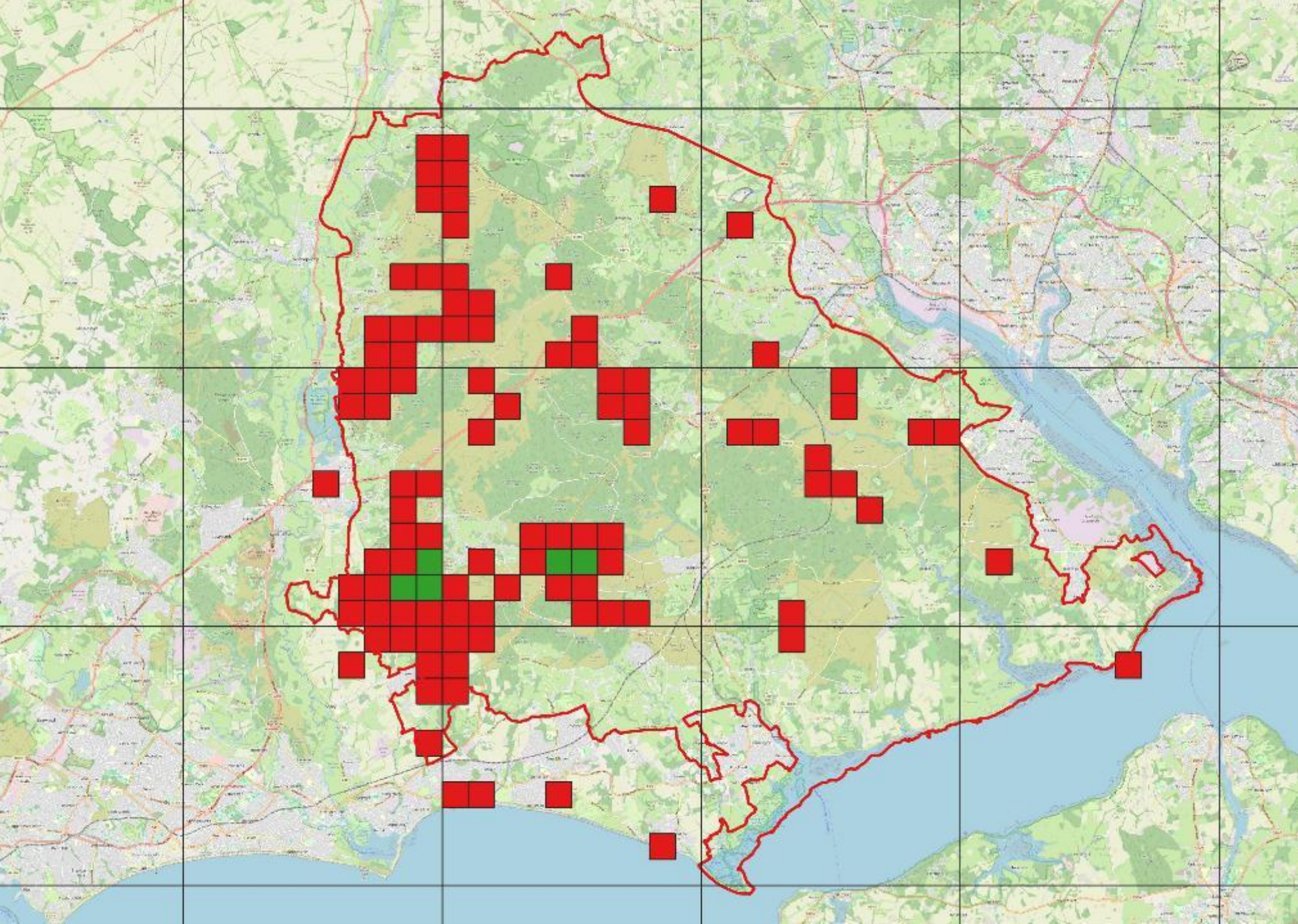
Currently absent = 5 hectads





New Forest Sand Lizard Populations

-  New Forest National Park
-  Confirmed Populations



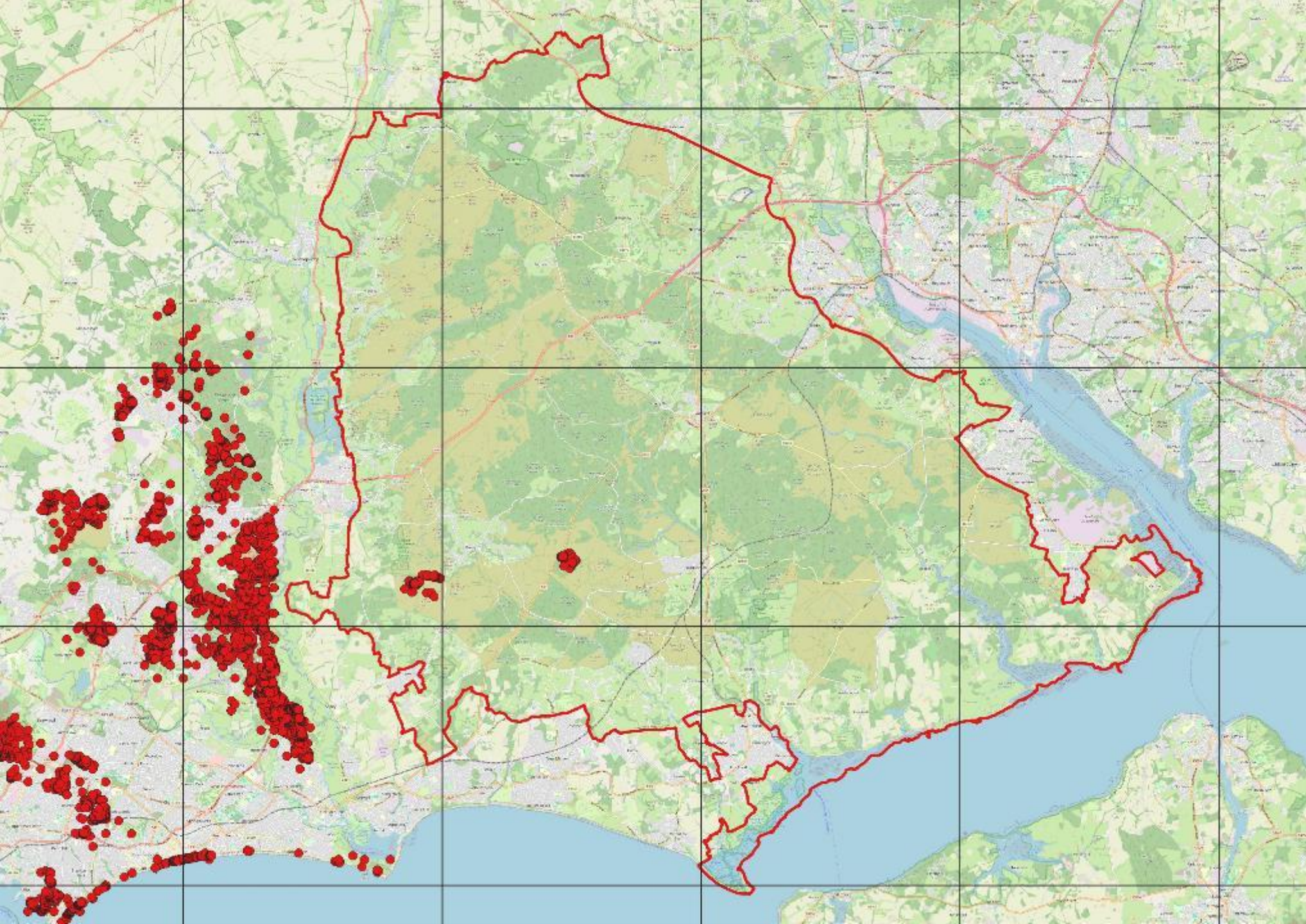
New Forest Sand Lizard "Records"

-  New Forest National Park
-  Confirmed Populations
-  Other Sand Lizard Records

New Forest Sand Lizard Status (T = 106 Monads)	No of Monads
Sand lizards confirmed present	5
Potential sand lizard habitat (no sand lizard records)	15
Potential sand lizard habitat (but wall lizards present)	2
Failed official re-introduction (habitat/management issues)	2
Failed unofficial introductions (mostly unsuitable habitat)	5
Unverified sand lizard records (further surveys needed)	4
Records in unsuitable habitat (probably common lizards?)	27
Erroneous records (definitely common lizards)	39
Erroneous records (GPS/grid reference errors)	6
Erroneous records (palmate newt!)	1







Verified Post-2000 Sand Lizard Records (ARC)

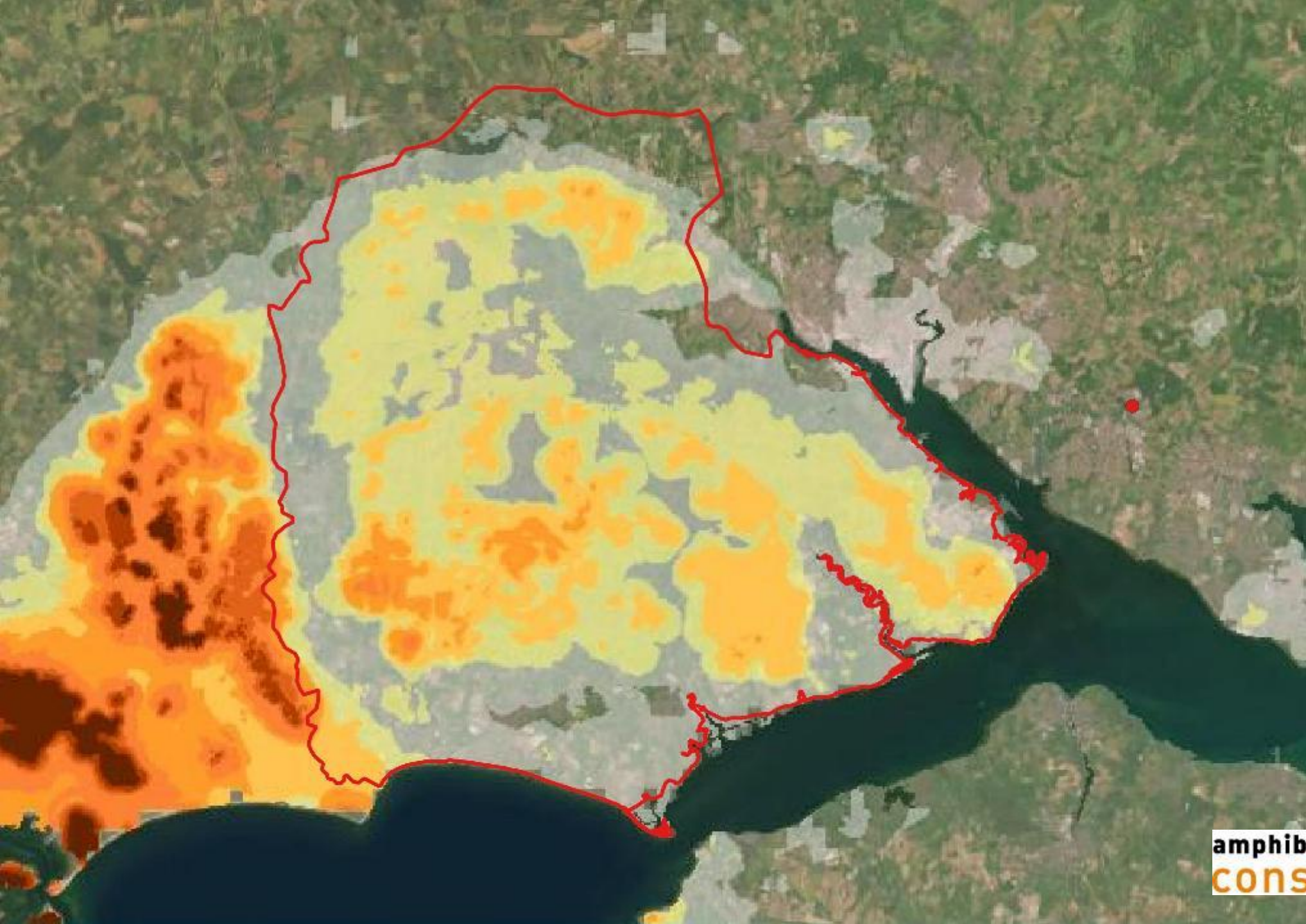
 New Forest National Park





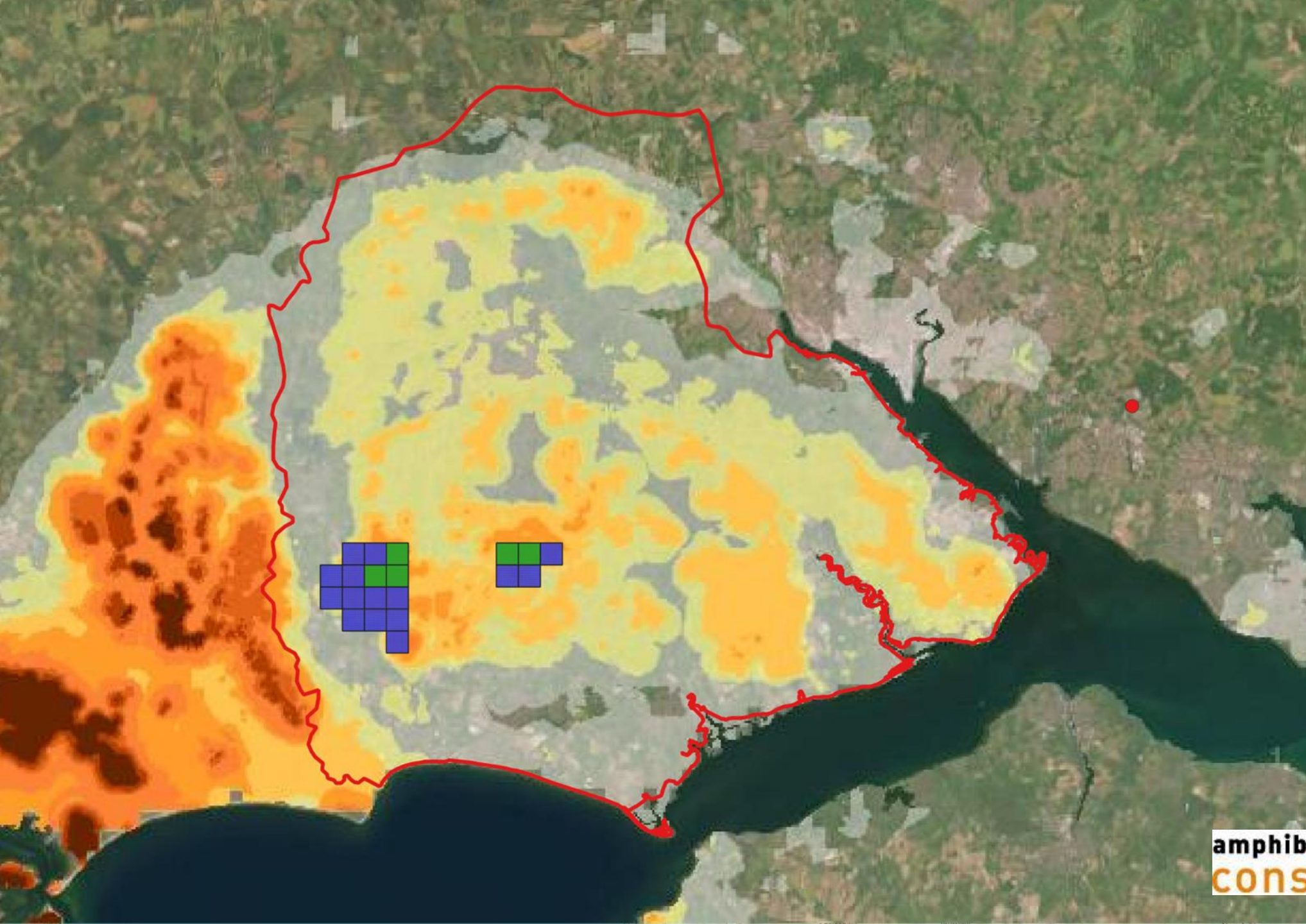






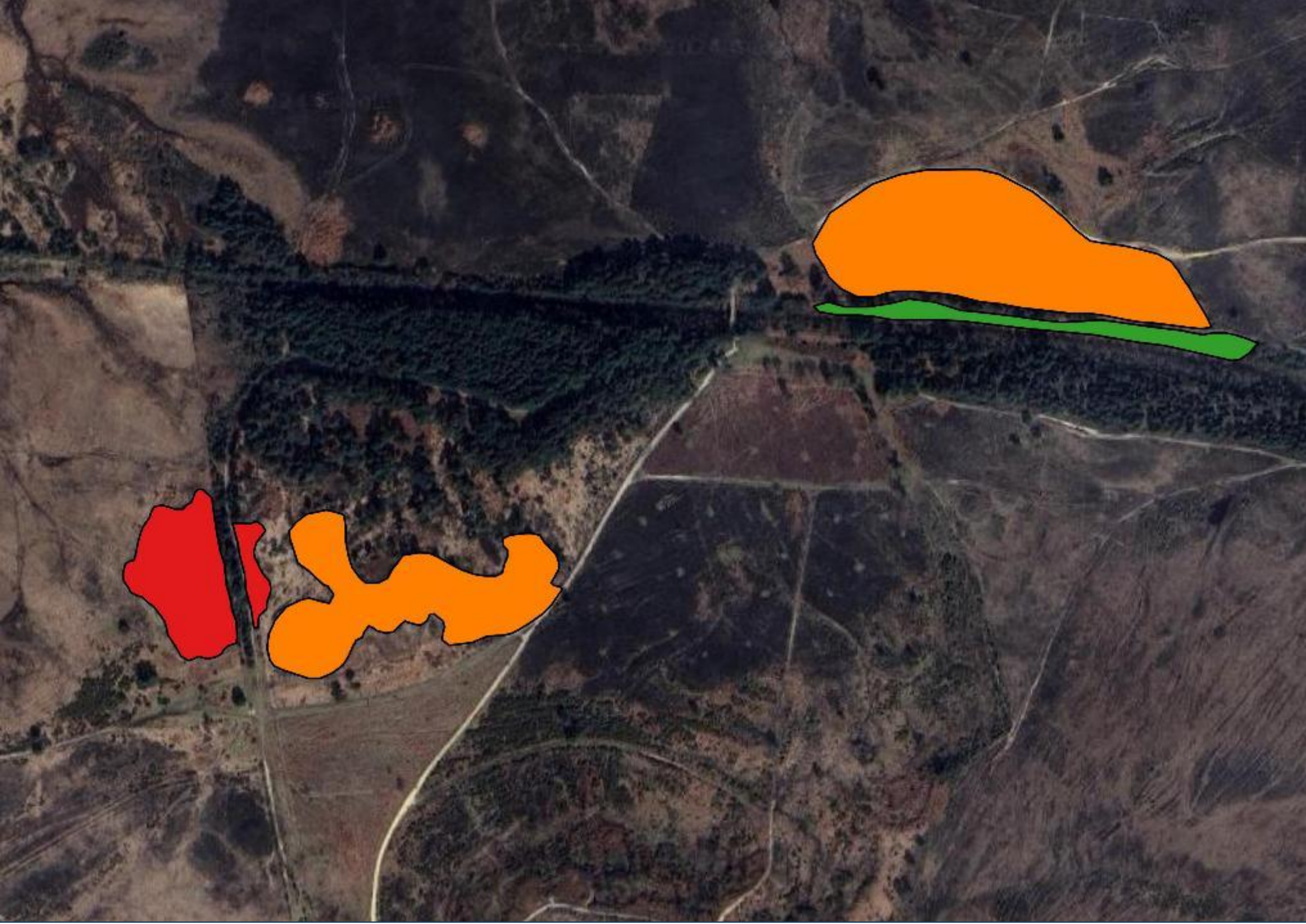
**ARC sand
lizard
habitat
suitability
model
(thanks to
Rob Ward)**








**ARC sand
lizard
habitat
suitability
model
(thanks to
Rob Ward)**





Sand Lizard Habitat Condition Mapping

-  Poor
-  Acceptable
-  Good

Critical Habitat Variables – Sand Lizard

Habitat Condition Mapping Categories for the Sand Lizard <i>Lacerta agilis</i>			
Variable	Current Condition		
	Poor	Acceptable	Good
Structural diversity of vegetation	Low/uniform	Medium	High
% mature/degenerate heath	< 25%	25 - 75%	> 75%
% building heath	> 75%	25 - 75%	< 25%
% pioneer heath	> 75%	25 - 75%	< 25%
% of grass that is tussocky	< 25%	25 - 75%	> 75%
% bryophyte/lichen understorey	< 25%	25 - 75%	> 75%
Open, undisturbed bare sand (egg laying)	None	Infrequent	Frequent
% tree and scrub cover	> 75%	25 - 75%	< 25%
% gorse cover	> 75%	25 - 75%	< 25%
% bracken cover	> 75%	25 - 75%	< 25%
% invasive plant cover	> 75%	25 - 75%	< 25%
% of area damaged (e.g. by fire)	> 25%	1-25%	0%



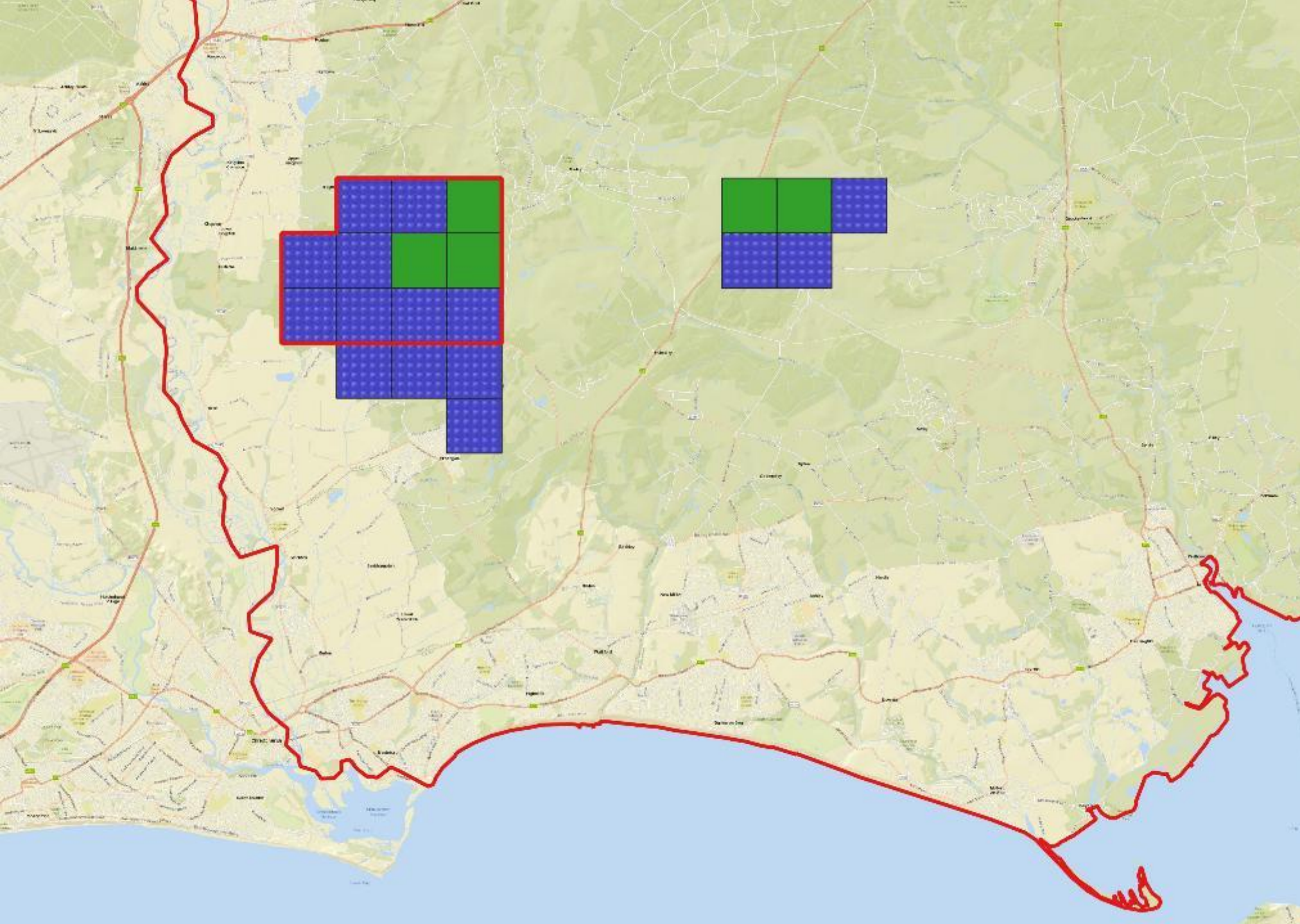




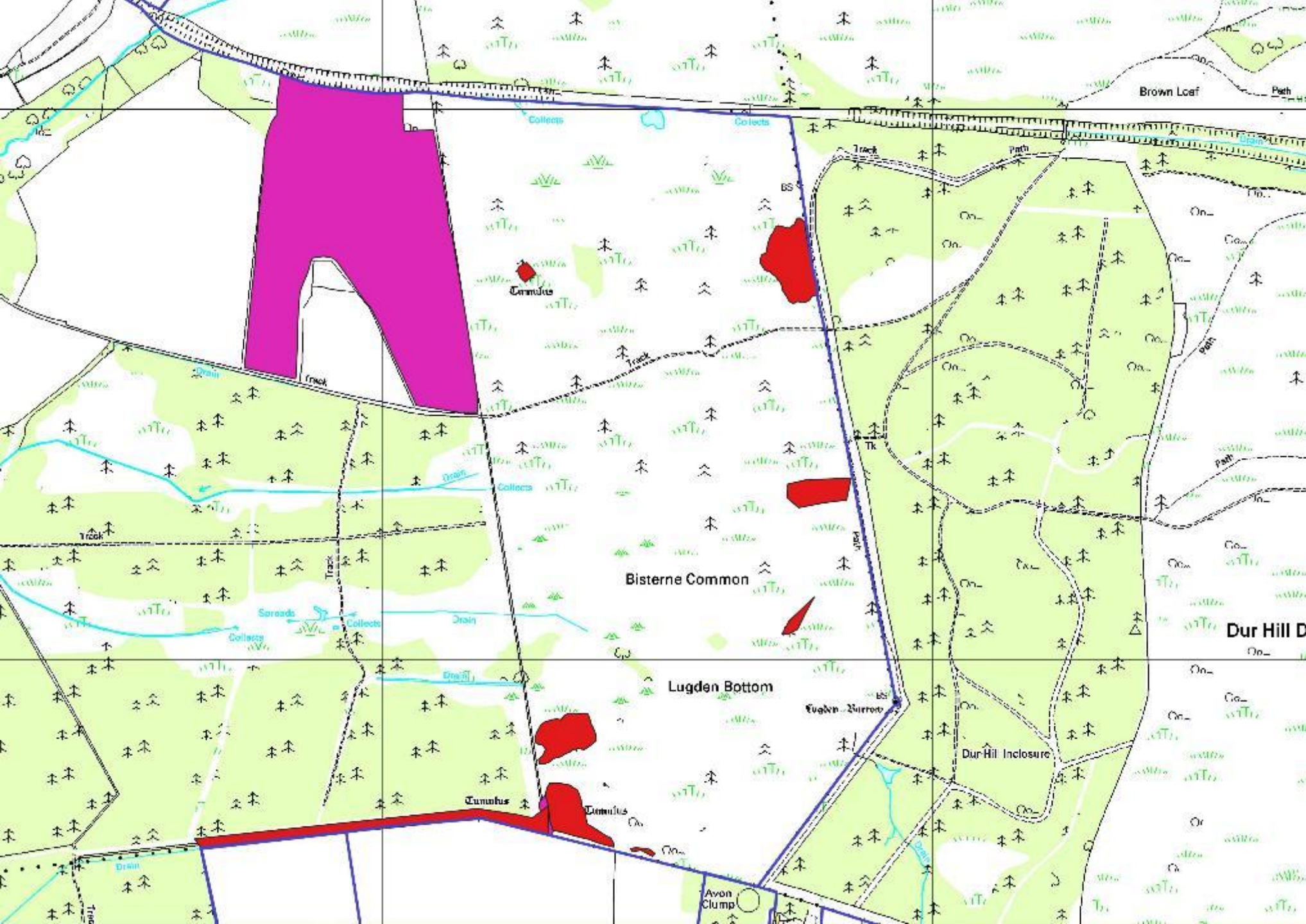






Sand Lizard Metapopulations

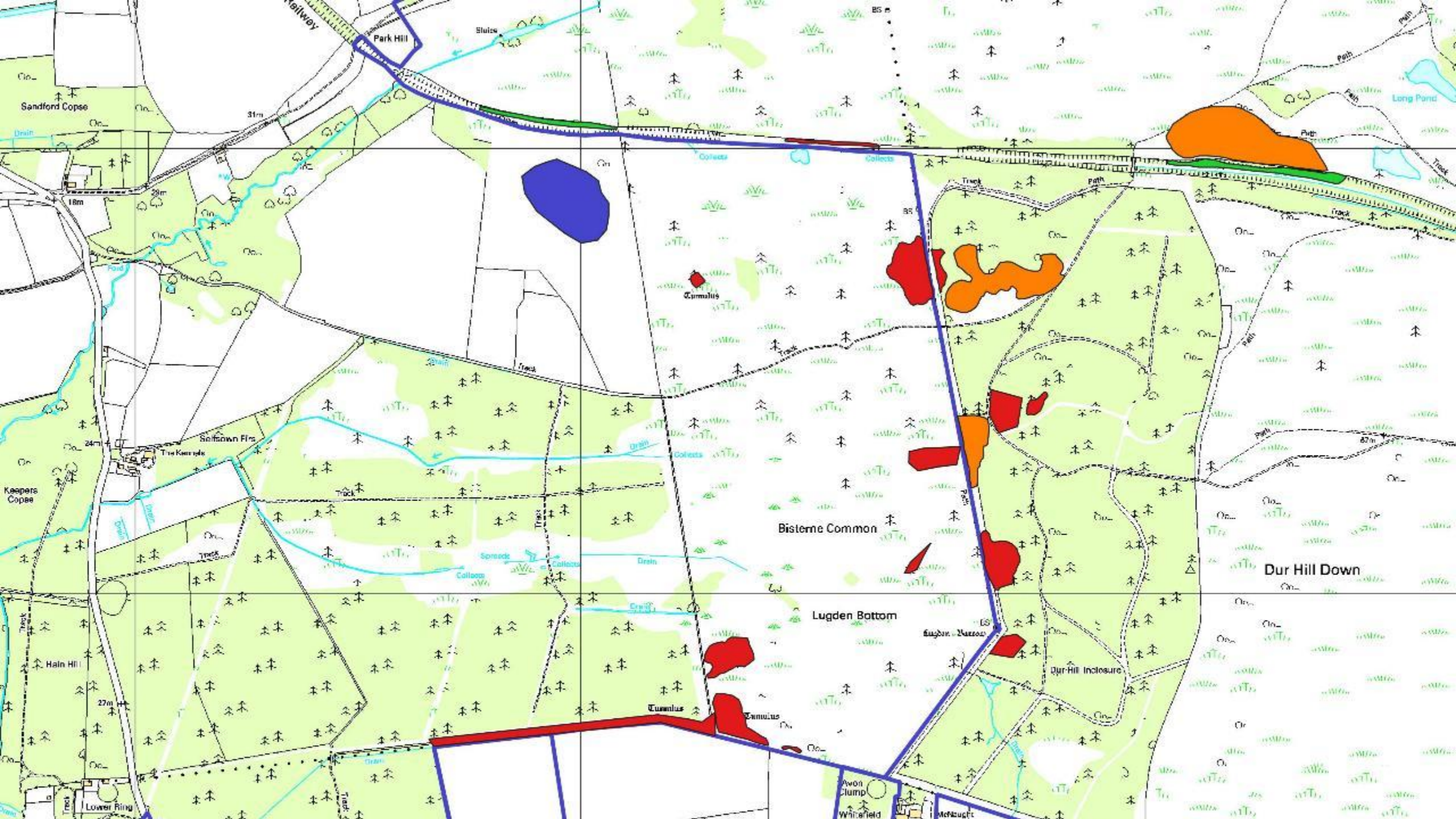


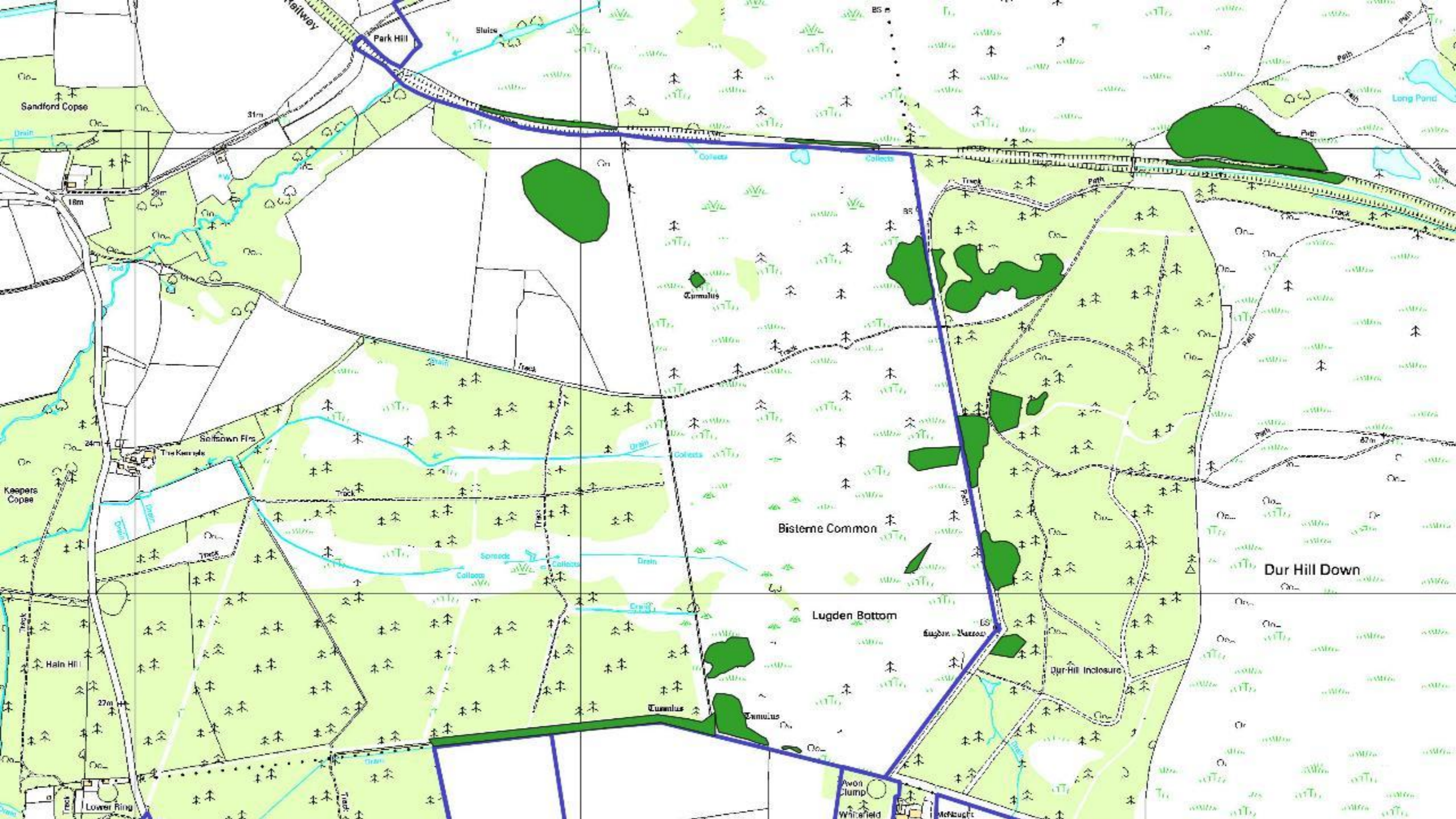




Species Survival Fund – Capital Works Bisterne Estate

-  Turf cutting, gorse/scrub clearance
-  Heathland Re-creation

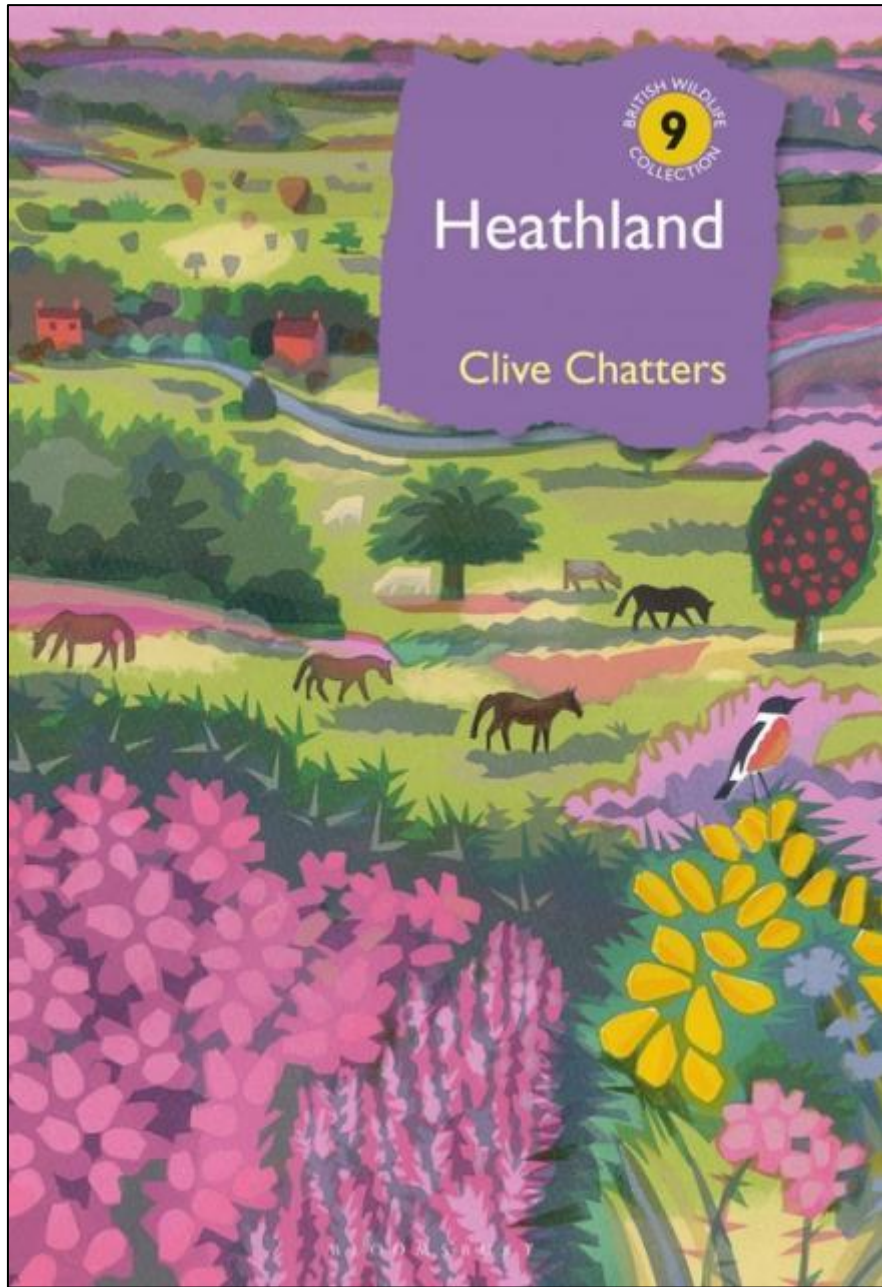




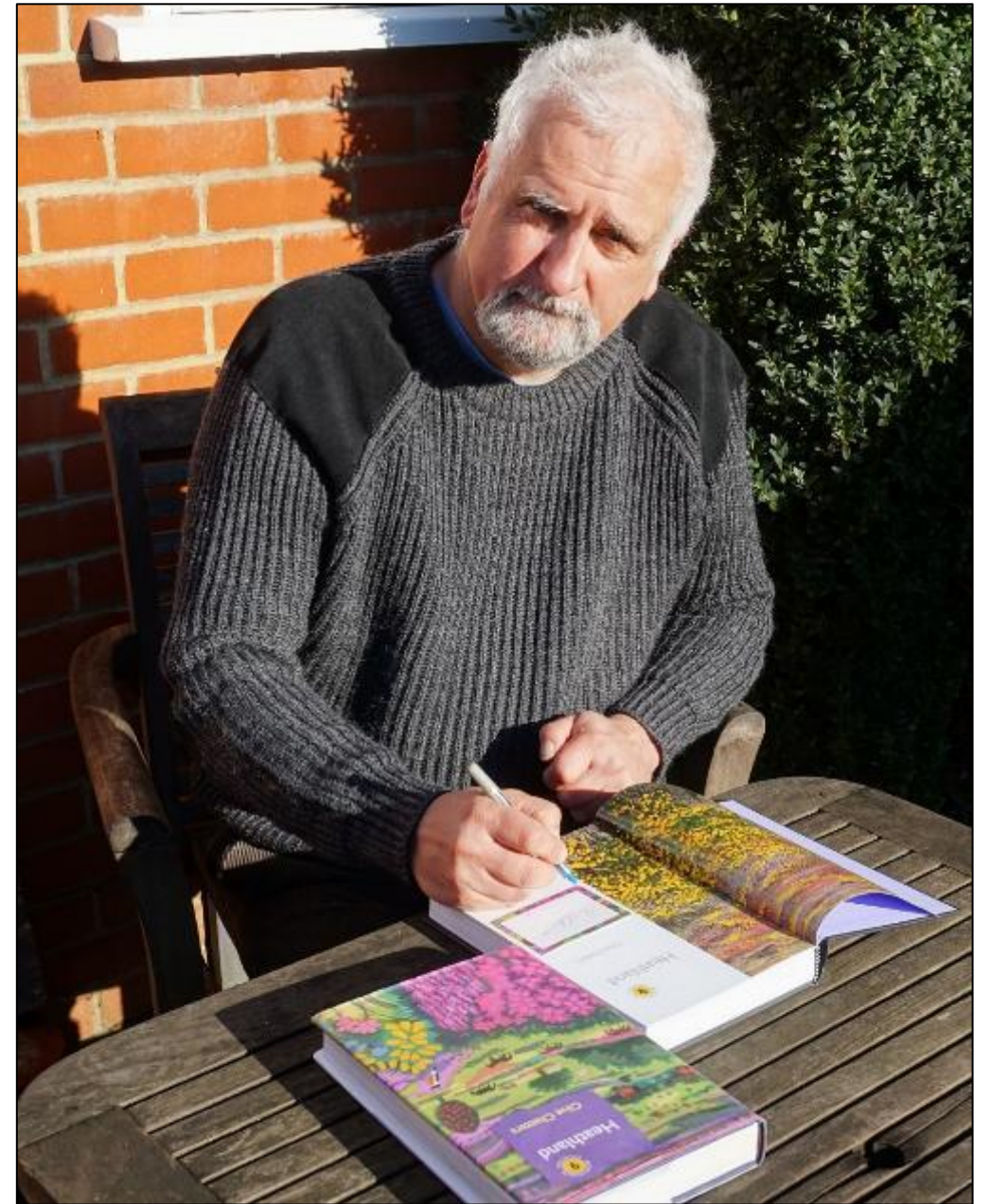








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Thank You

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 - ◆ **Tony Gent, Jim Foster, Rob Ward & Nick Moulton (Amphibian & Reptile Conservation)**
 - ◆ **Clive Chatters (Hampshire & Isle of Wight Wildlife Trust)**
 - ◆ **Hallam Mills & Rupert Brewer (Bisterne Estate) & Chris Glead-Owen (CGO Ecology)**