

Conservation in Protected Areas and the wider countryside

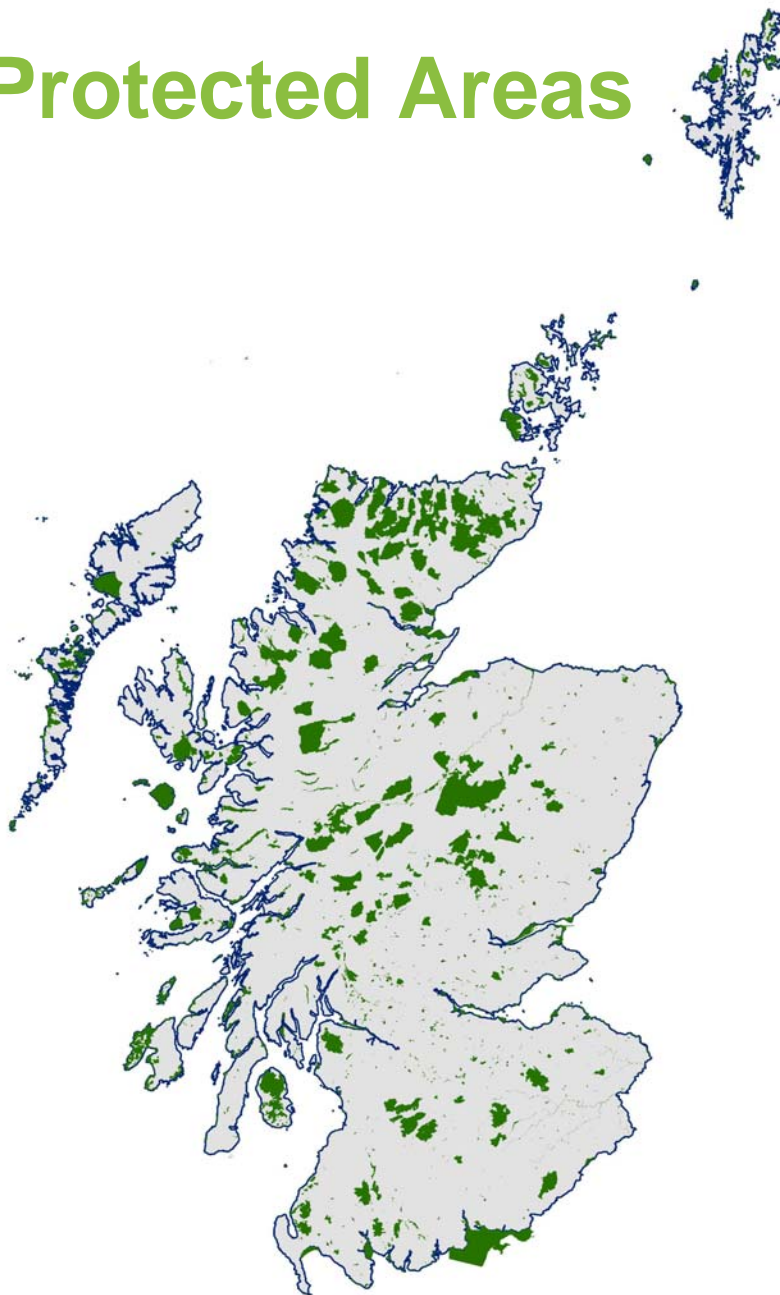


Ed Mackey

Scottish Natural Heritage



Protected Areas

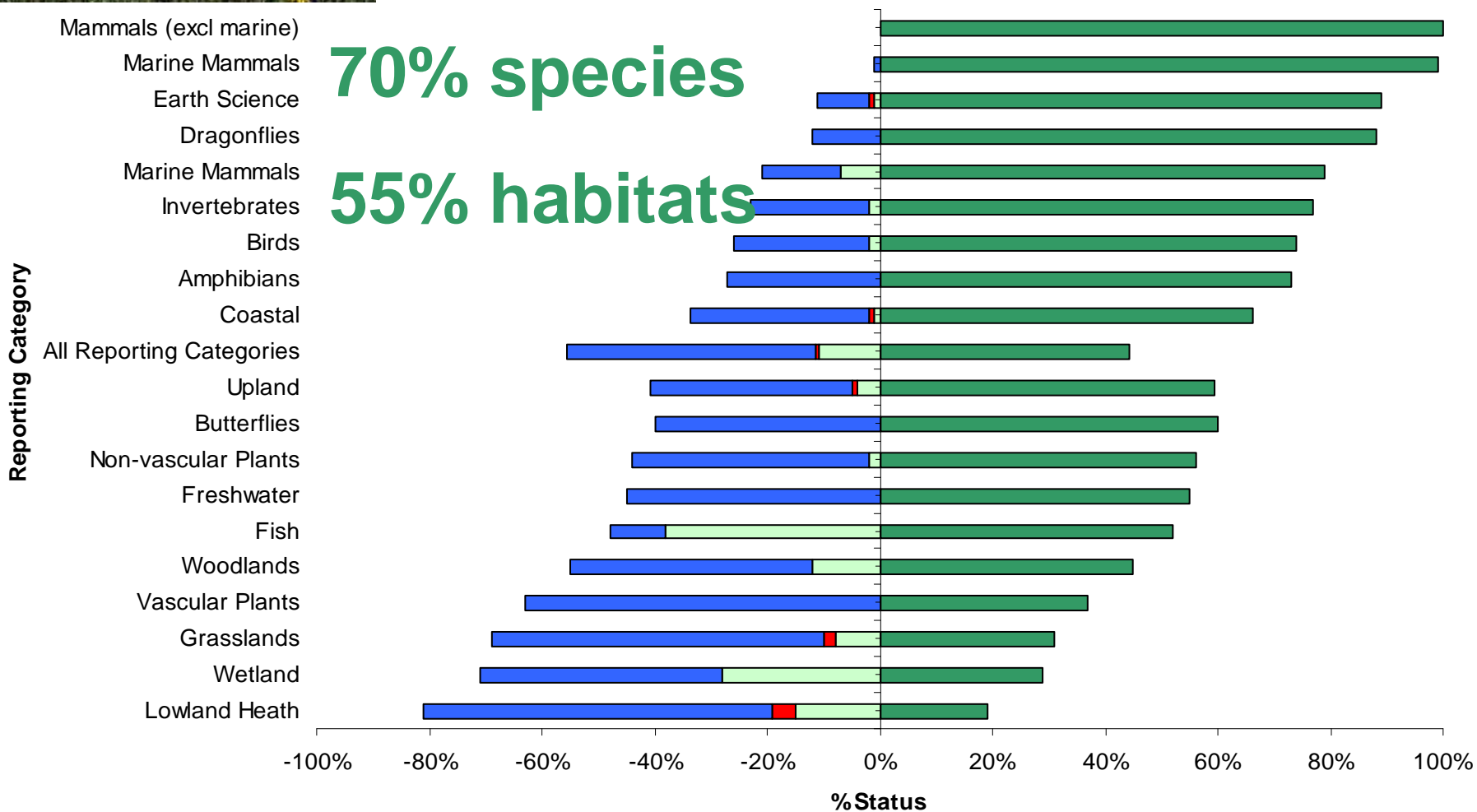




Notified Features 1999 - 2005

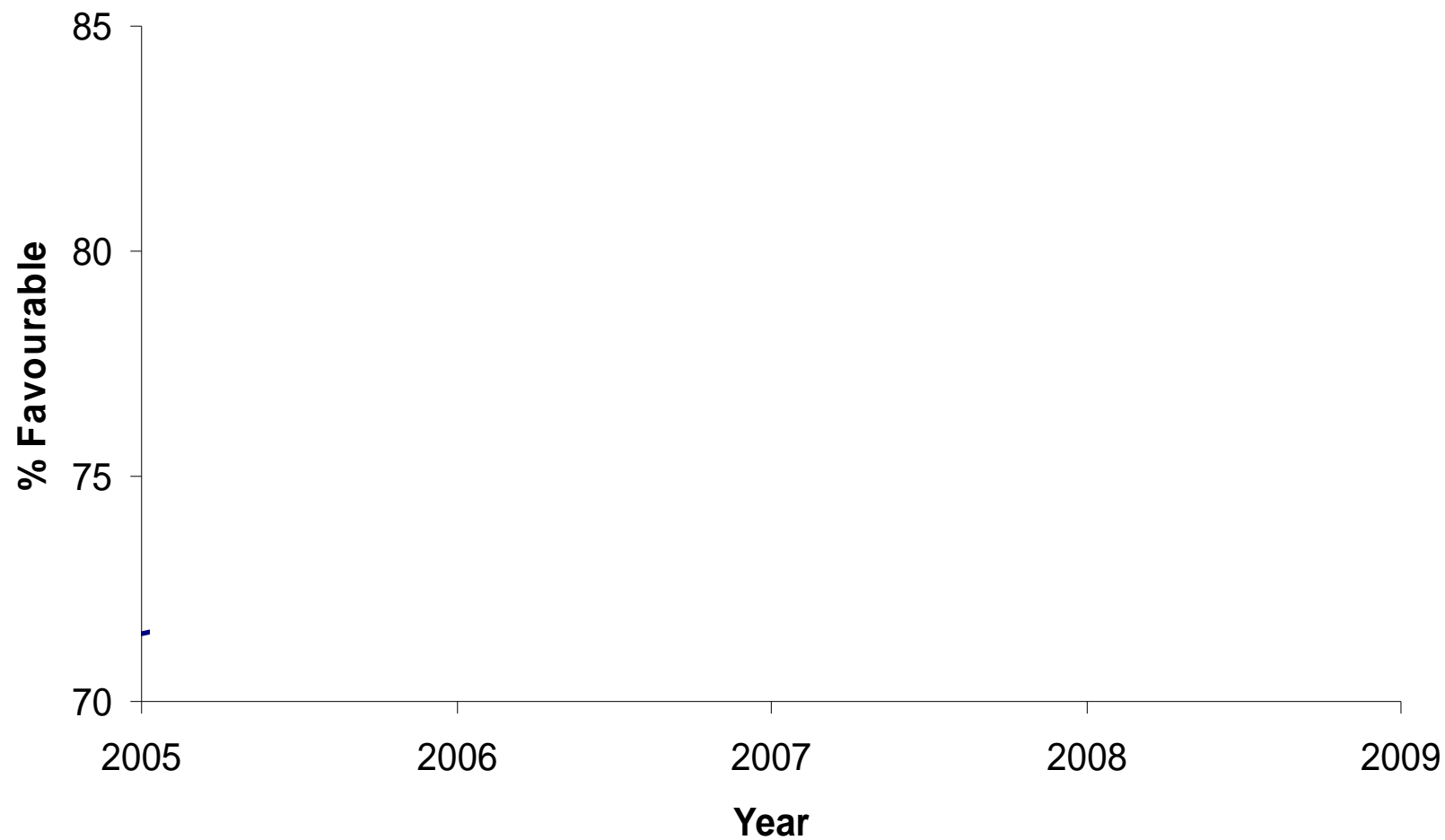
70% species

55% habitats





Notified Features 2005 - 2009





rural biodiversity



SCOTLAND'S BIODIVERSITY INDICATORS



Notified species in favourable condition
Notified habitats in favourable condition



Priority Species 2005

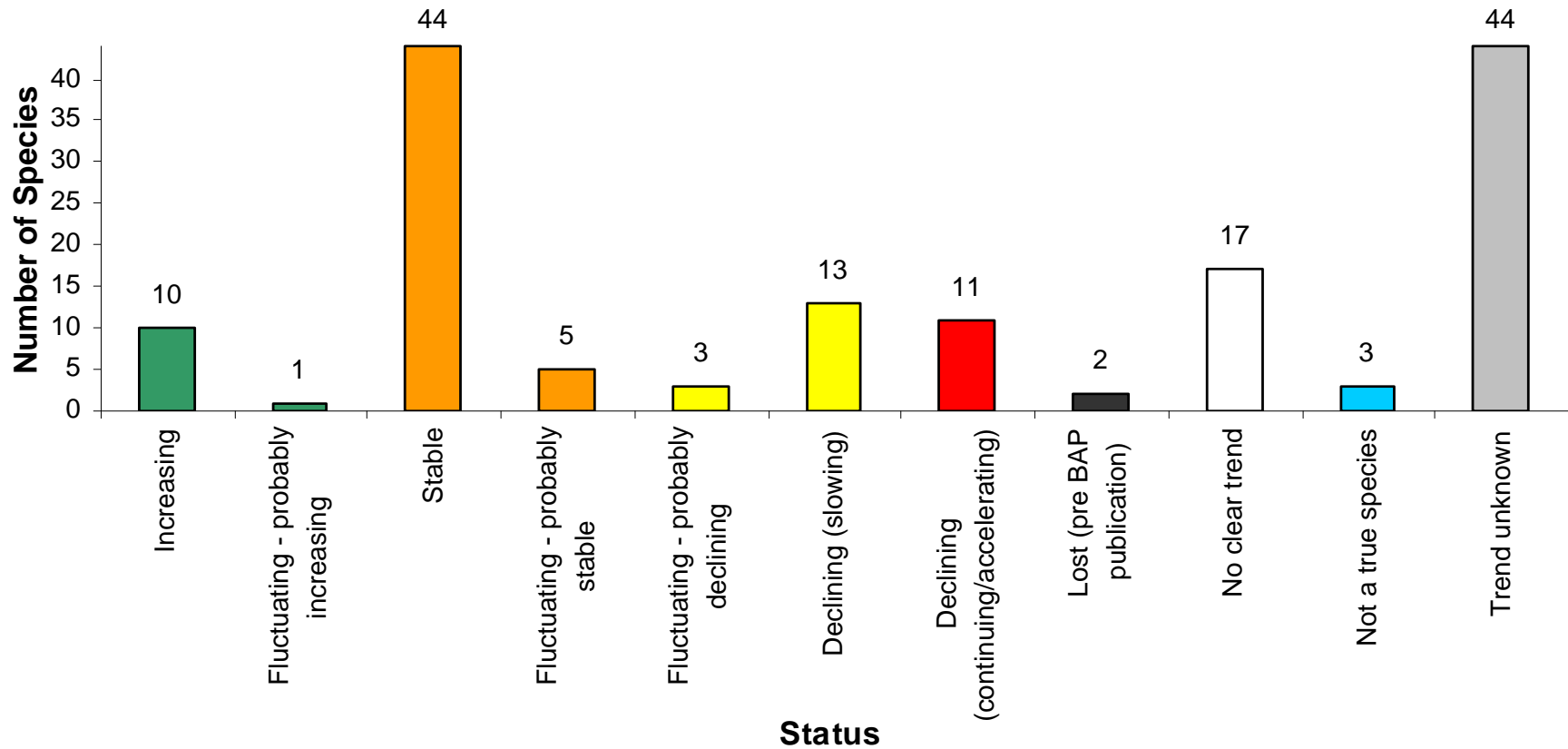


% 7

32

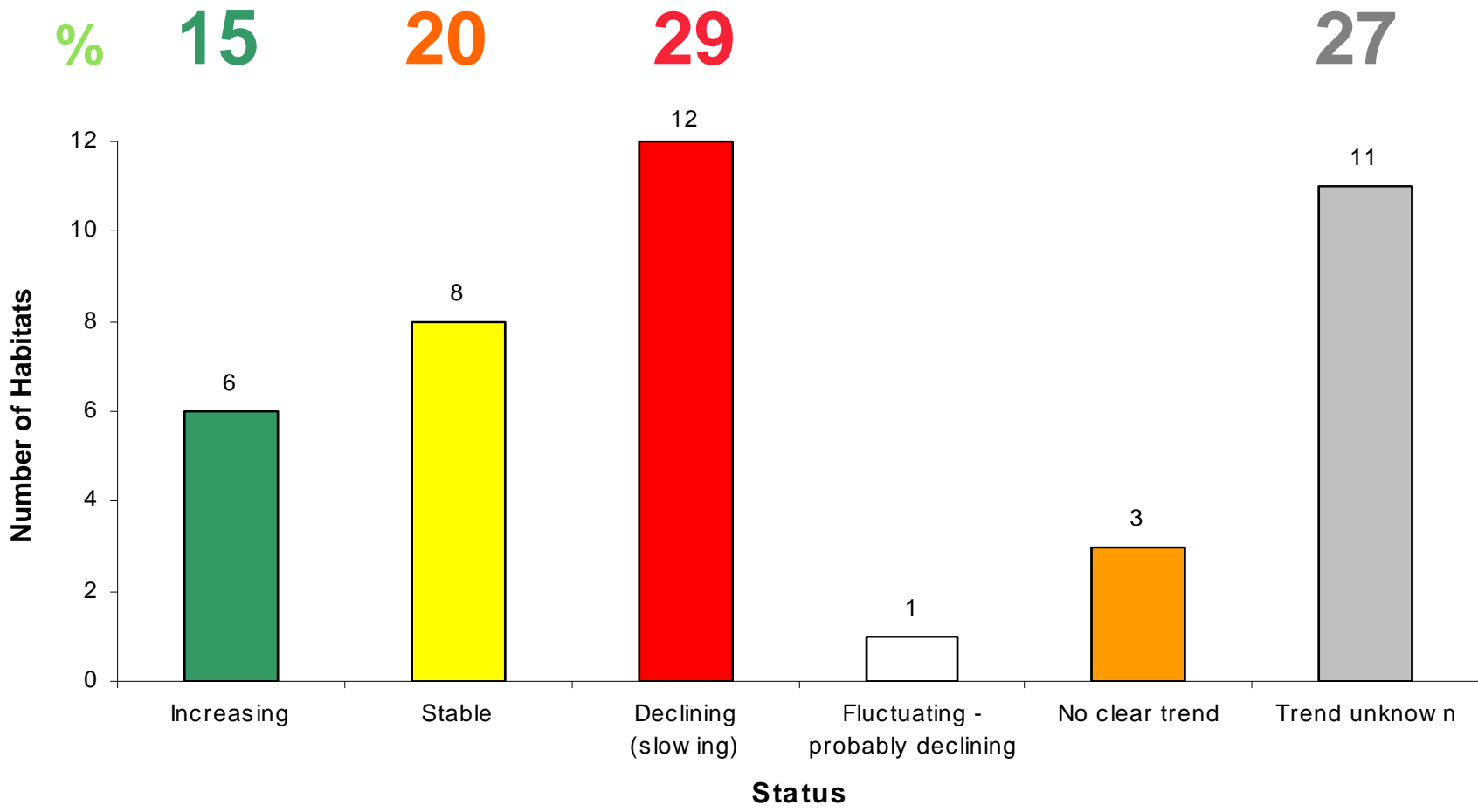
18

29



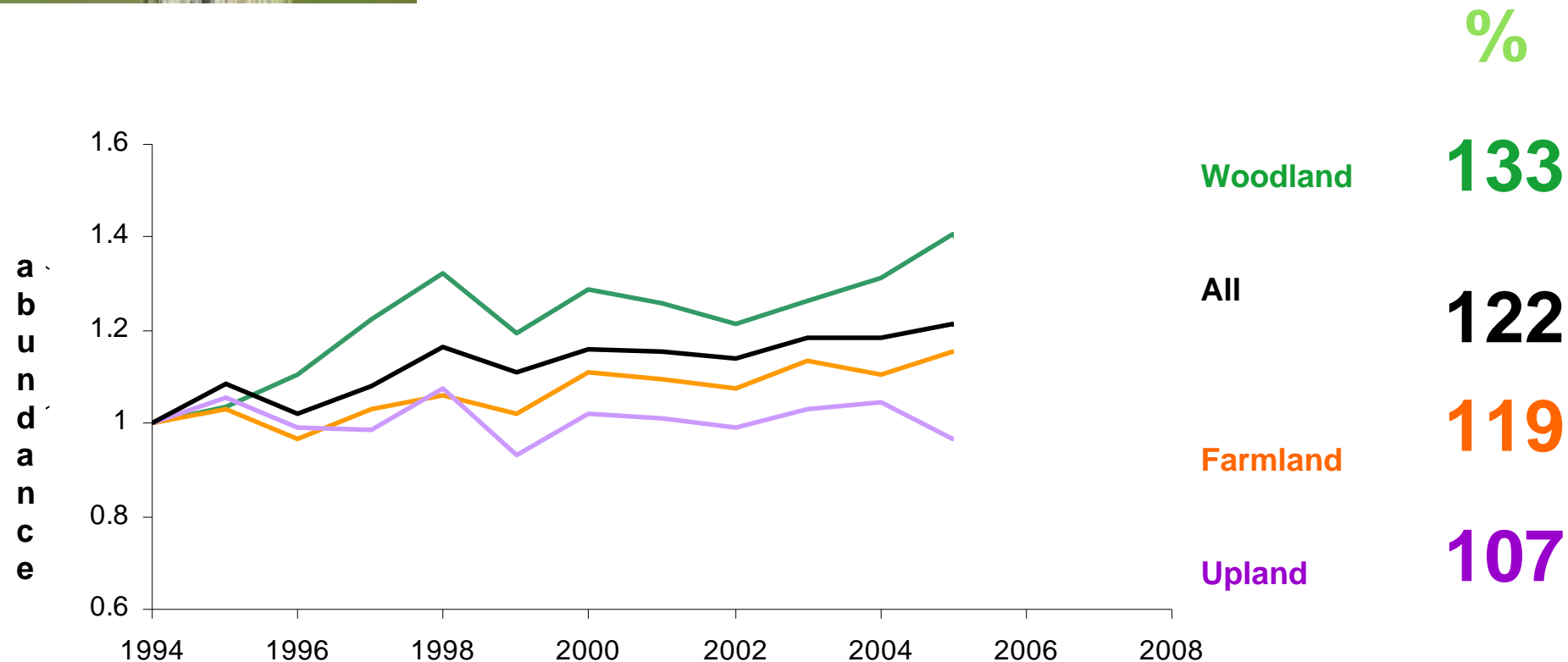


Priority Habitats 2005



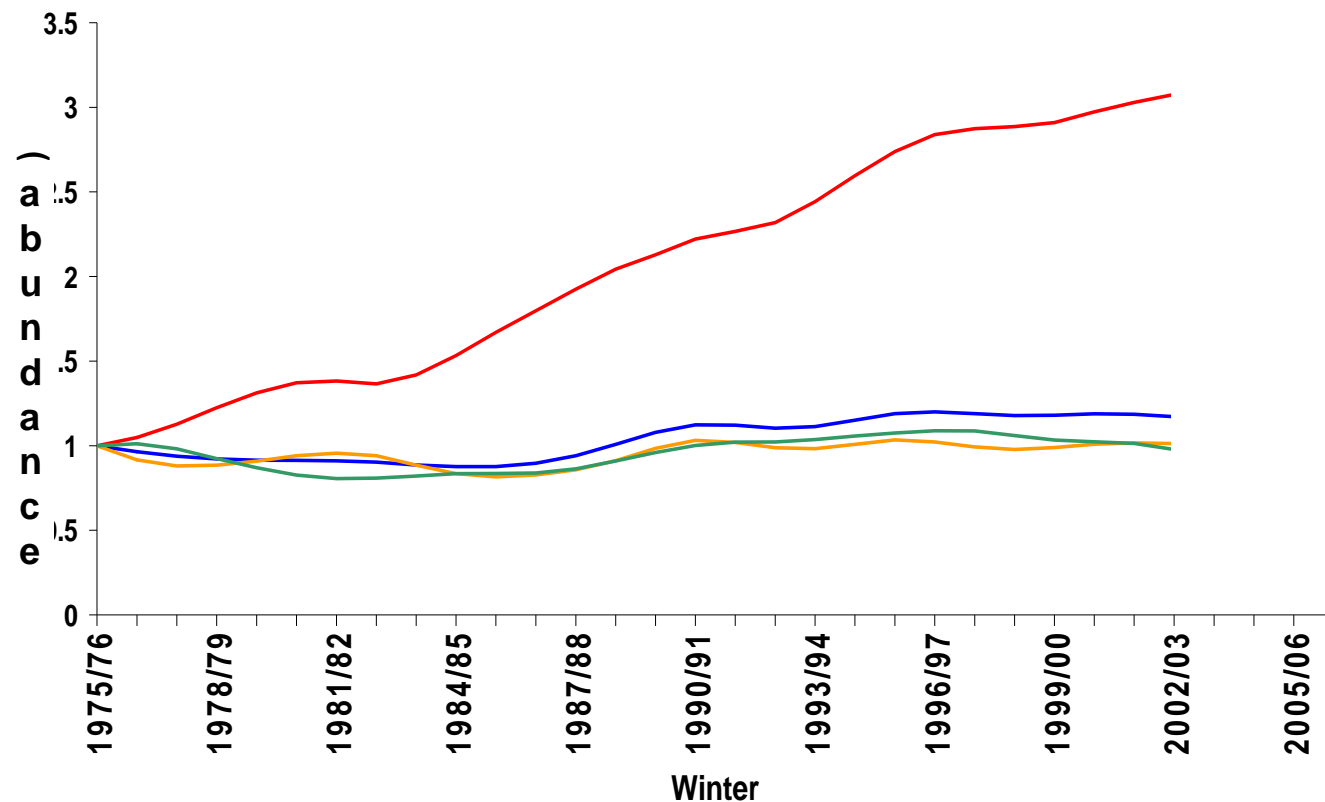


Terrestrial Breeding Birds 1994 - 2007





Wintering Waterbirds 1975 - 2007



%

Goose **294**

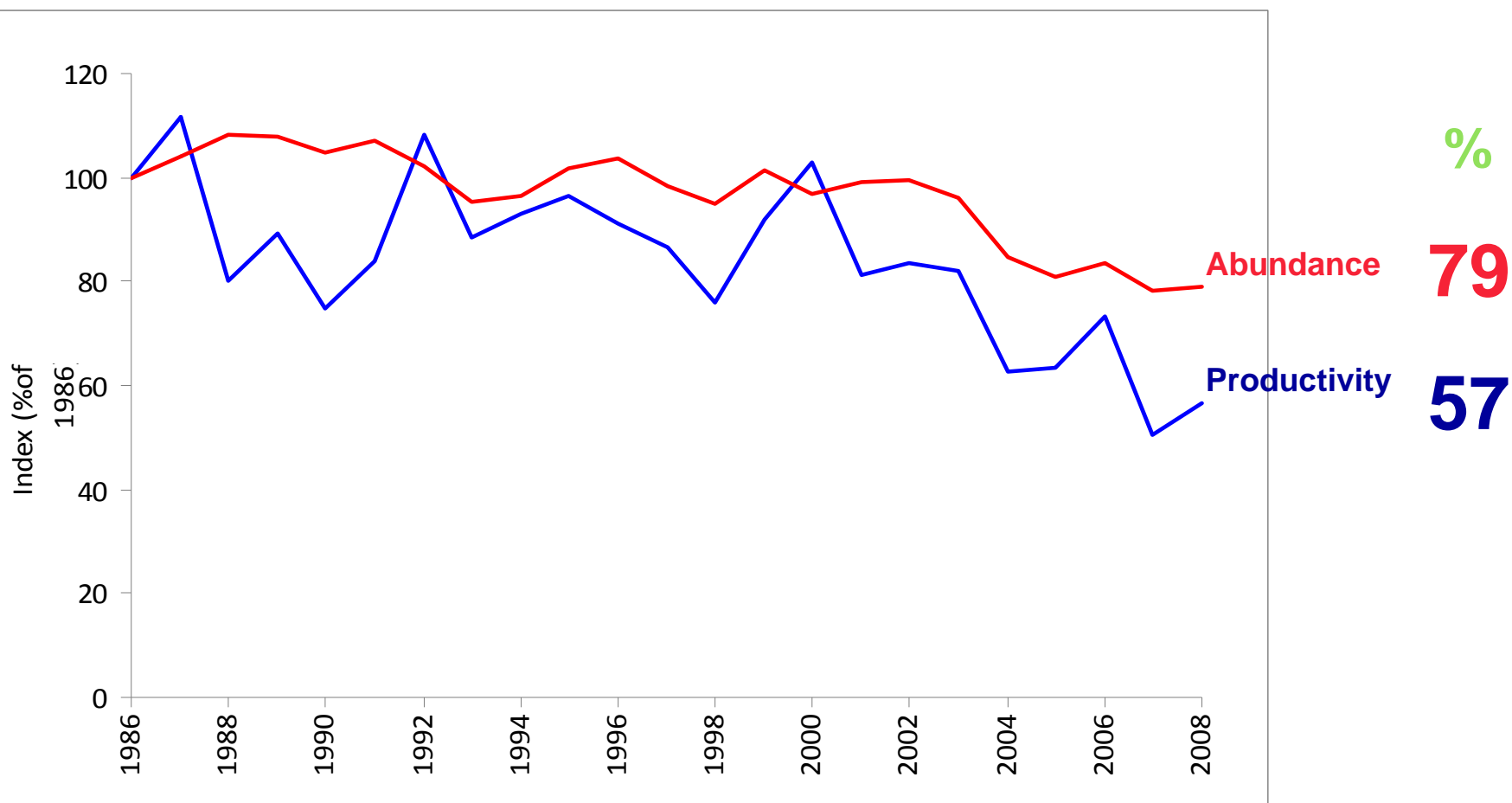
Waterbird (all) **107**

Wildfowl **99**

Wader **78**

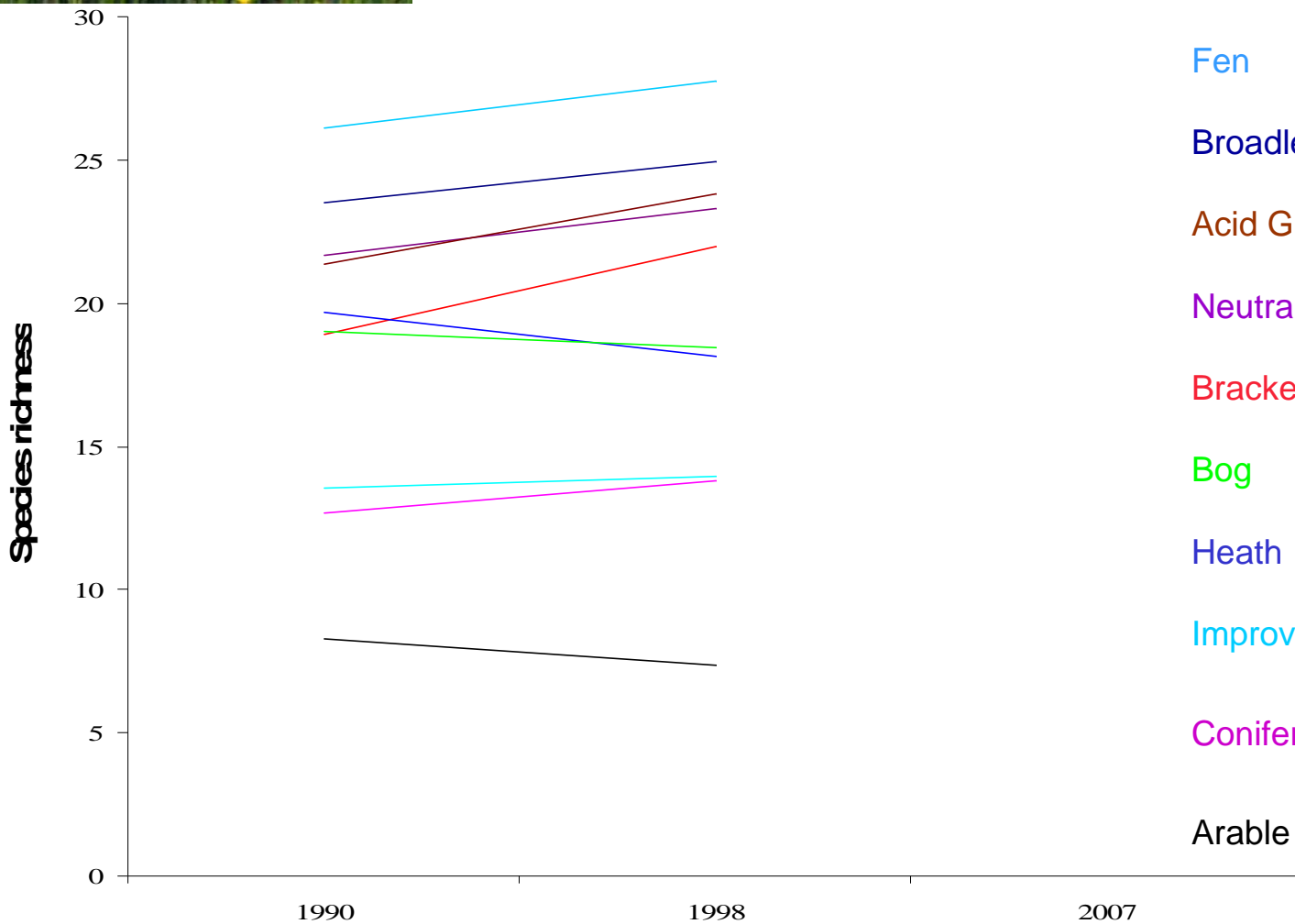


Seabirds 1986 - 2008





Plant Diversity 1990 - 2007



%

Fen	80
Broadleaved Woodland	87
Acid Grassland	95
Neutral Grassland	88
Bracken	101
Bog	92
Heath	88
Improved Grassland	93
Coniferous Woodland	93
Arable	92



Woodland Diversity 1999

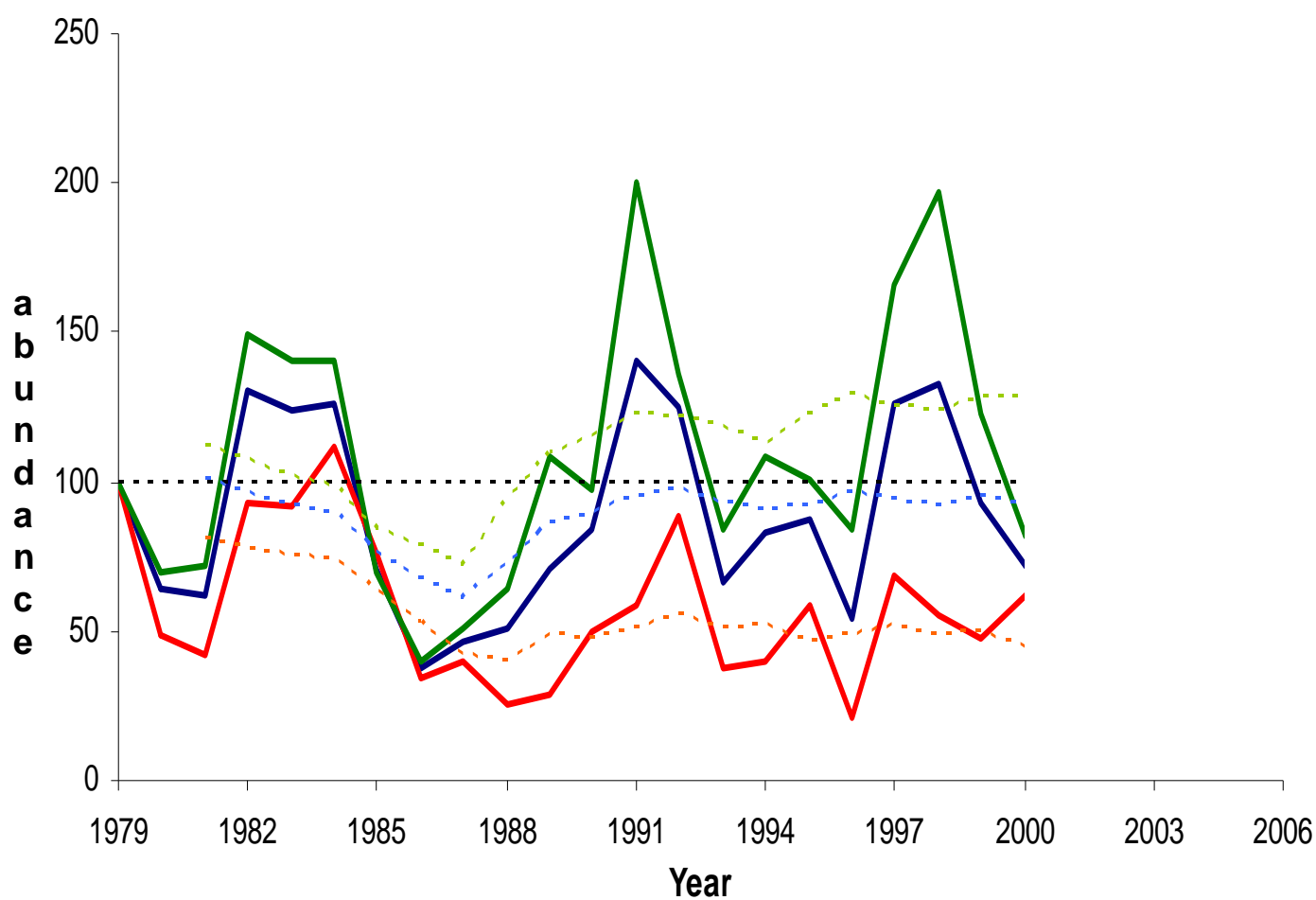


shrub layer cover	17.0 %
# tree & shrub species	2.2 / 0.25 ha
deadwood	4.4 m³ / ha
old-growth stage	4.8 %



Butterflies

1979 - 2006



%

Generalist 174

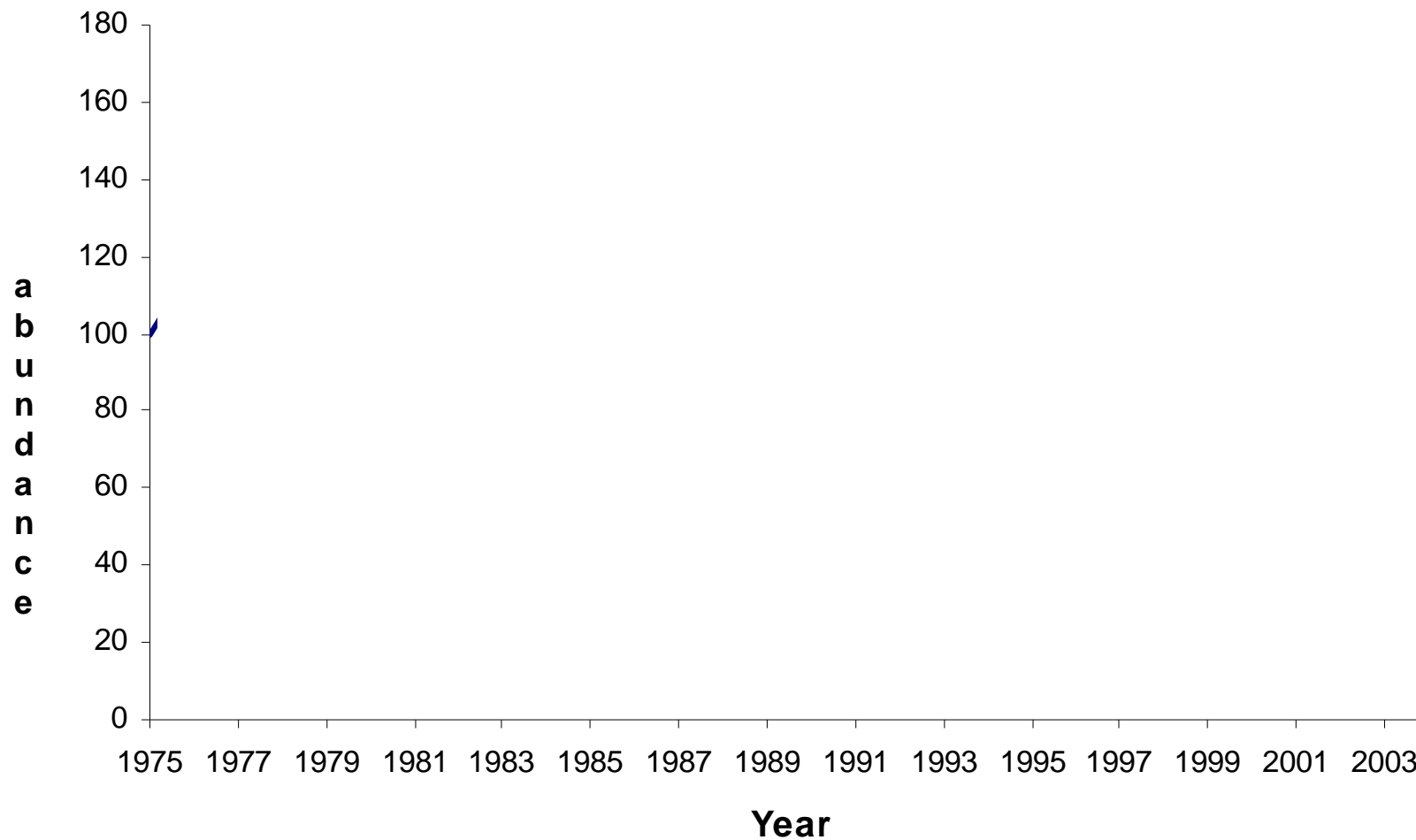
All 129

Specialist 61



Moths

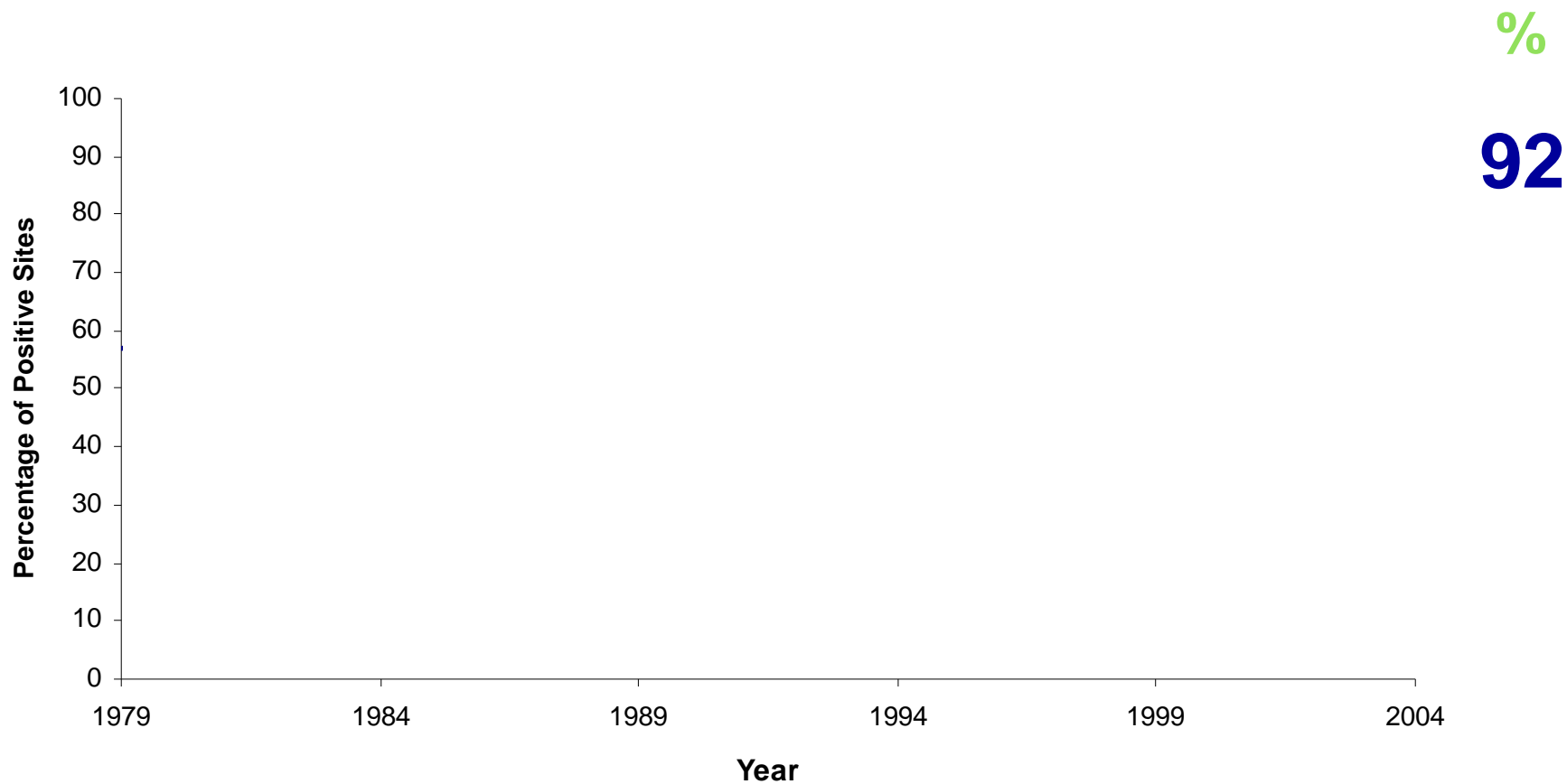
1975 - 2004





Otters

1979 - 2004



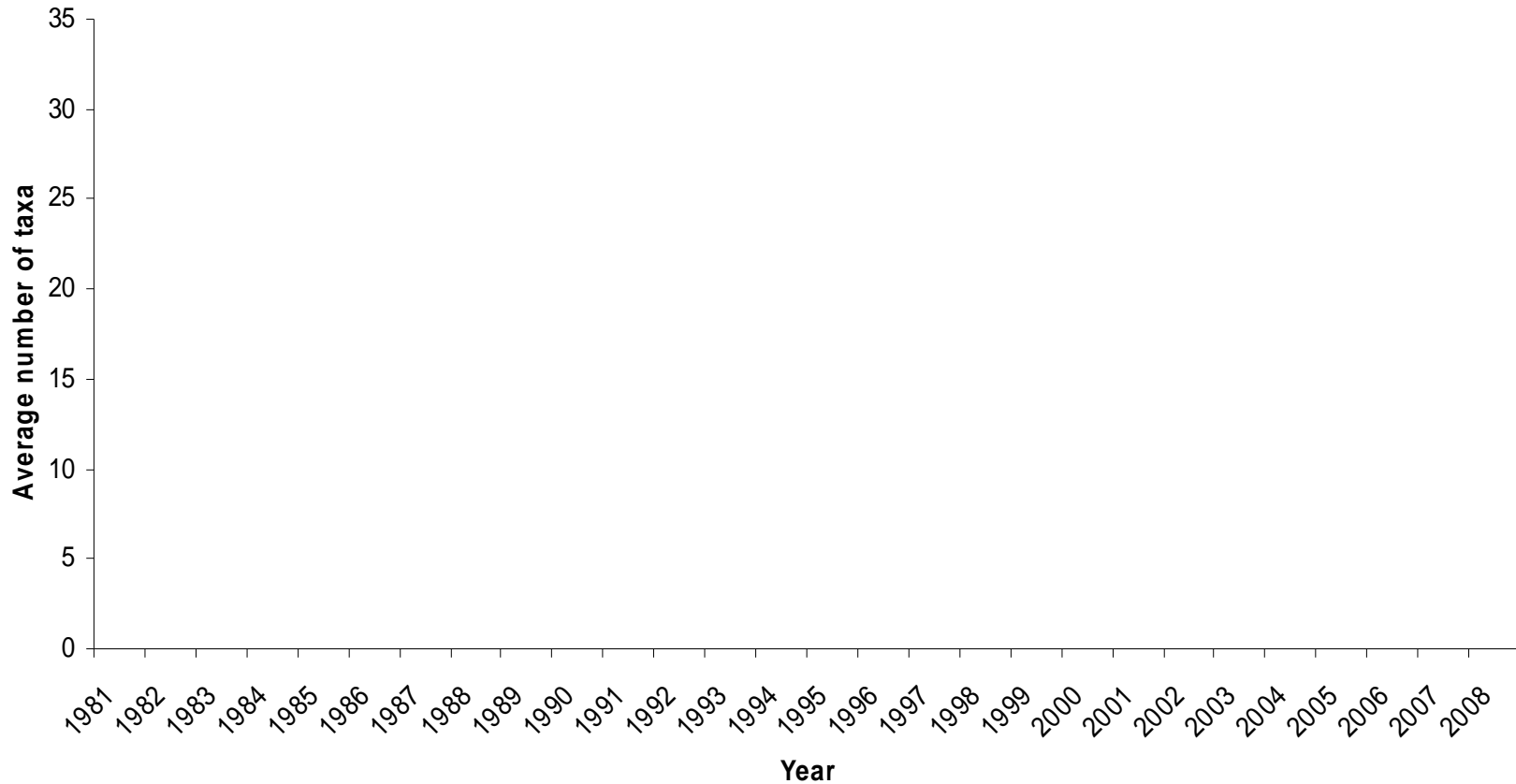


Freshwater Macroinvertebrates 1981 - 2008



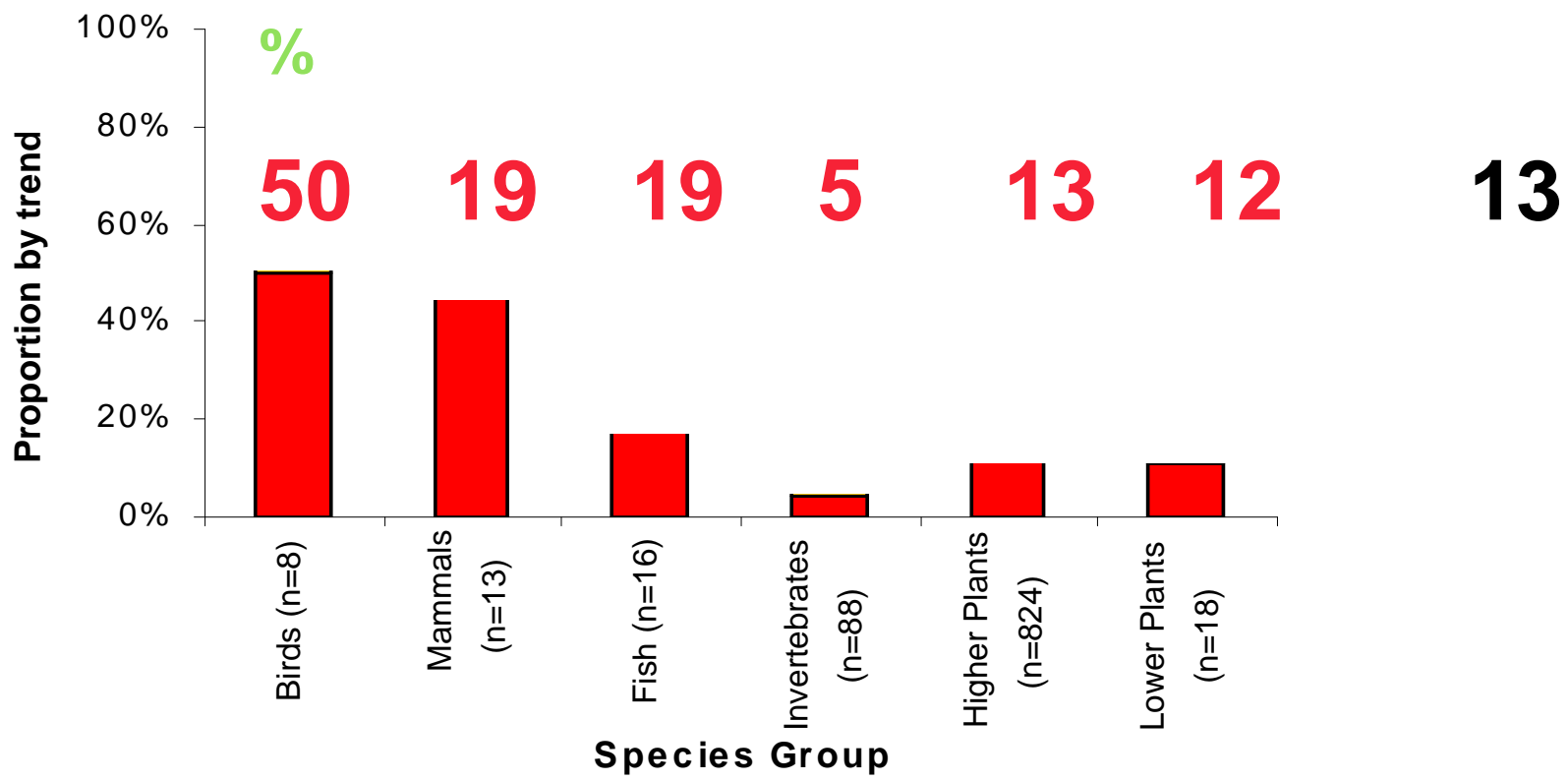
%

193





Non-native Species 1950s – 1990s





Number	Title
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State Indicators	
S1	BAP priority species
S2	BAP priority habitats
S3	Terrestrial breeding birds
S4	Wintering waterbirds
S5	Breeding seabirds
S6	Vascular plant diversity
S7	Woodland structure
S8	Terrestrial insect abundance – butterflies
S9	Terrestrial insect abundance – moths
S10	Notified species in favourable condition
S11	Notified habitats in favourable condition
S12	Otter status
S13	Freshwater macro invertebrates



Management

Environment

S17	Invasive non-native species
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Looking ahead



Surveillance

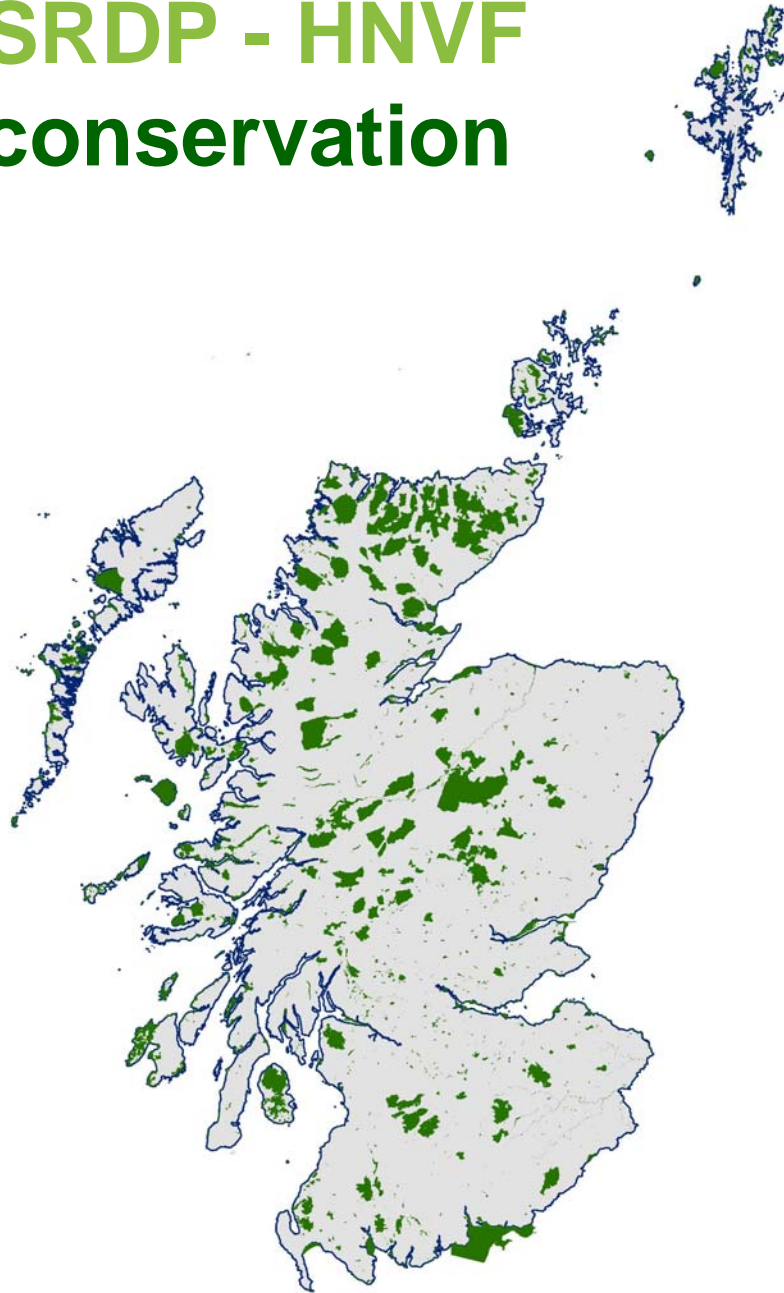
Habitats Regulations (as amended 2009) Surveillance strategy

Sites, wider countryside & surrounding seas

- Habitats and species of European importance
- 2010 reporting
- Scottish Rural Development Programme
- Climate Change Strategy
- National indicators & Single Outcome Agreements
- Environmental assessment, education & casework
- Inshore & offshore waters

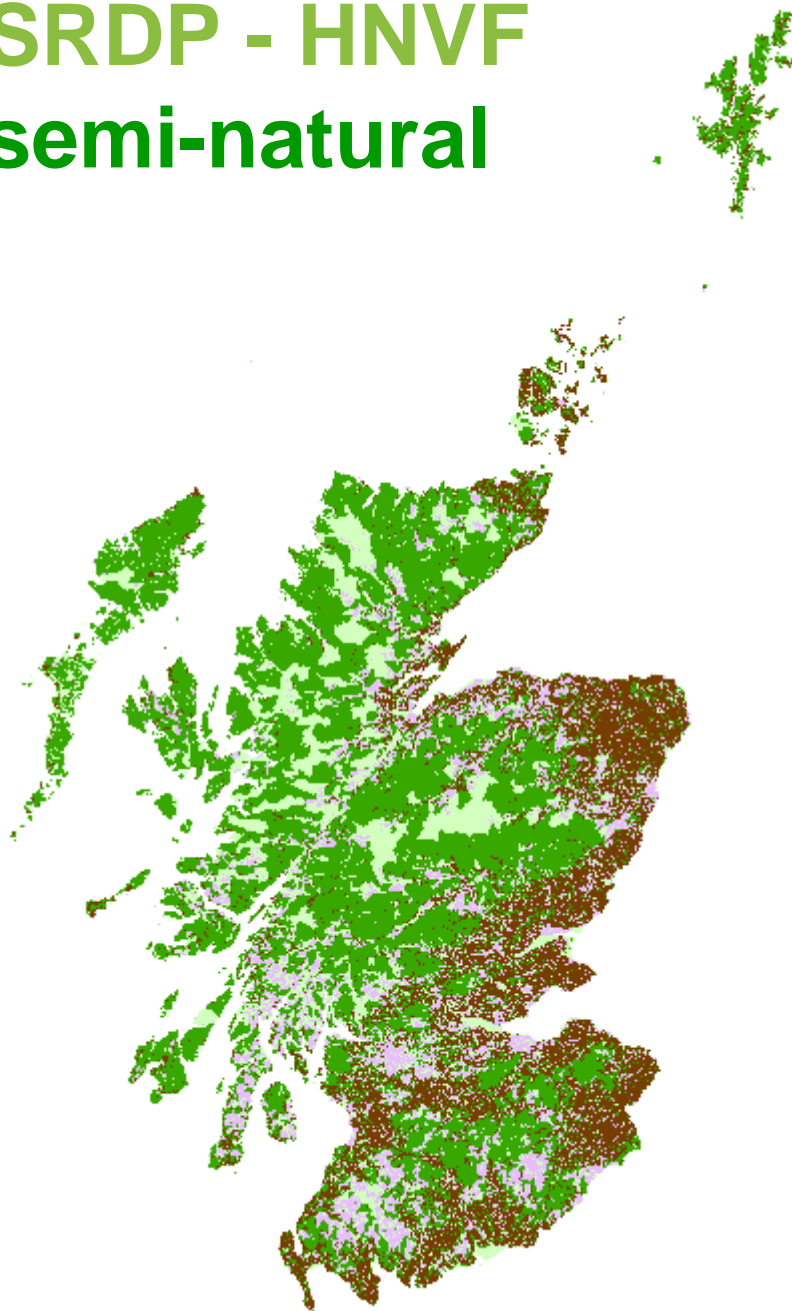


SRDP - HNVF conservation



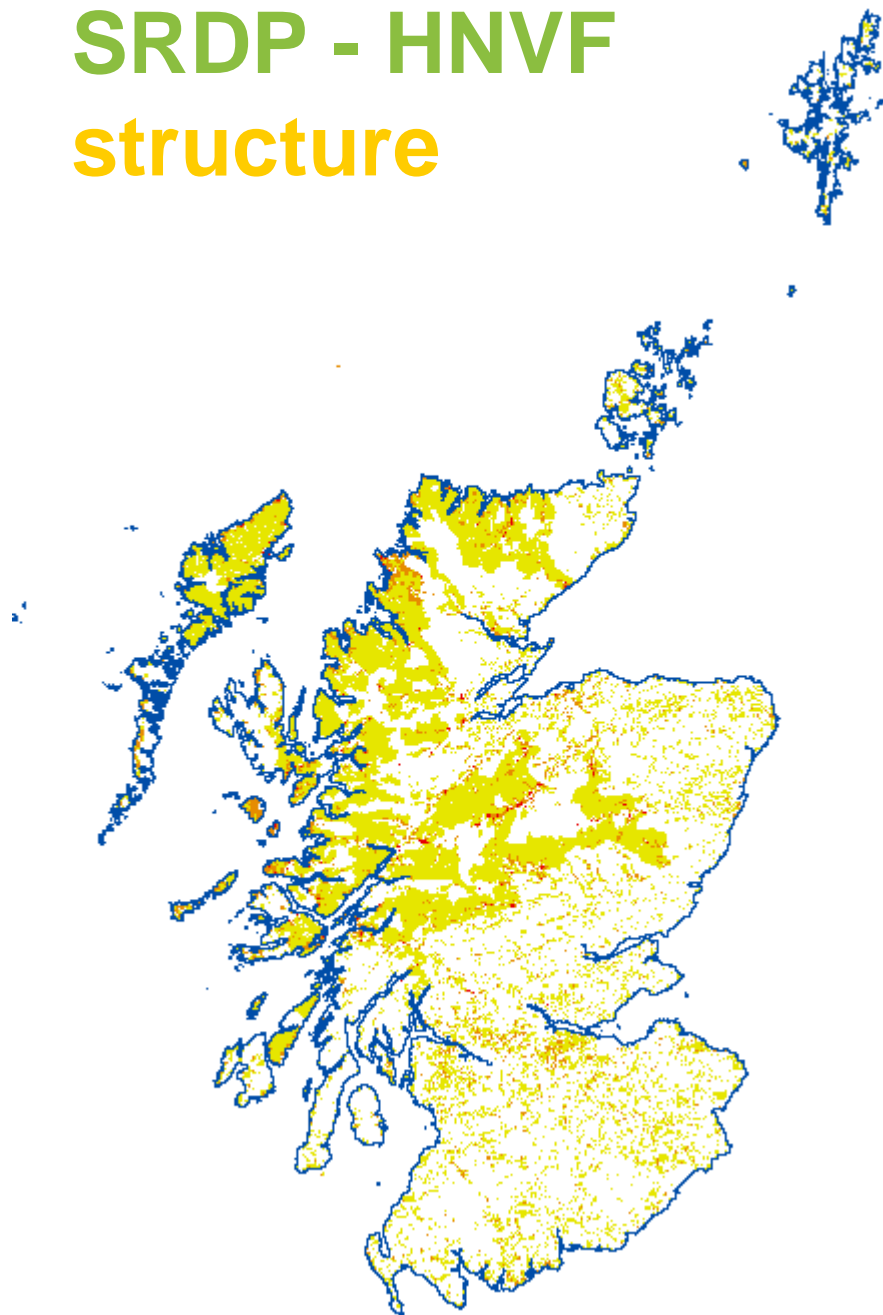


SRDP - HNMF semi-natural





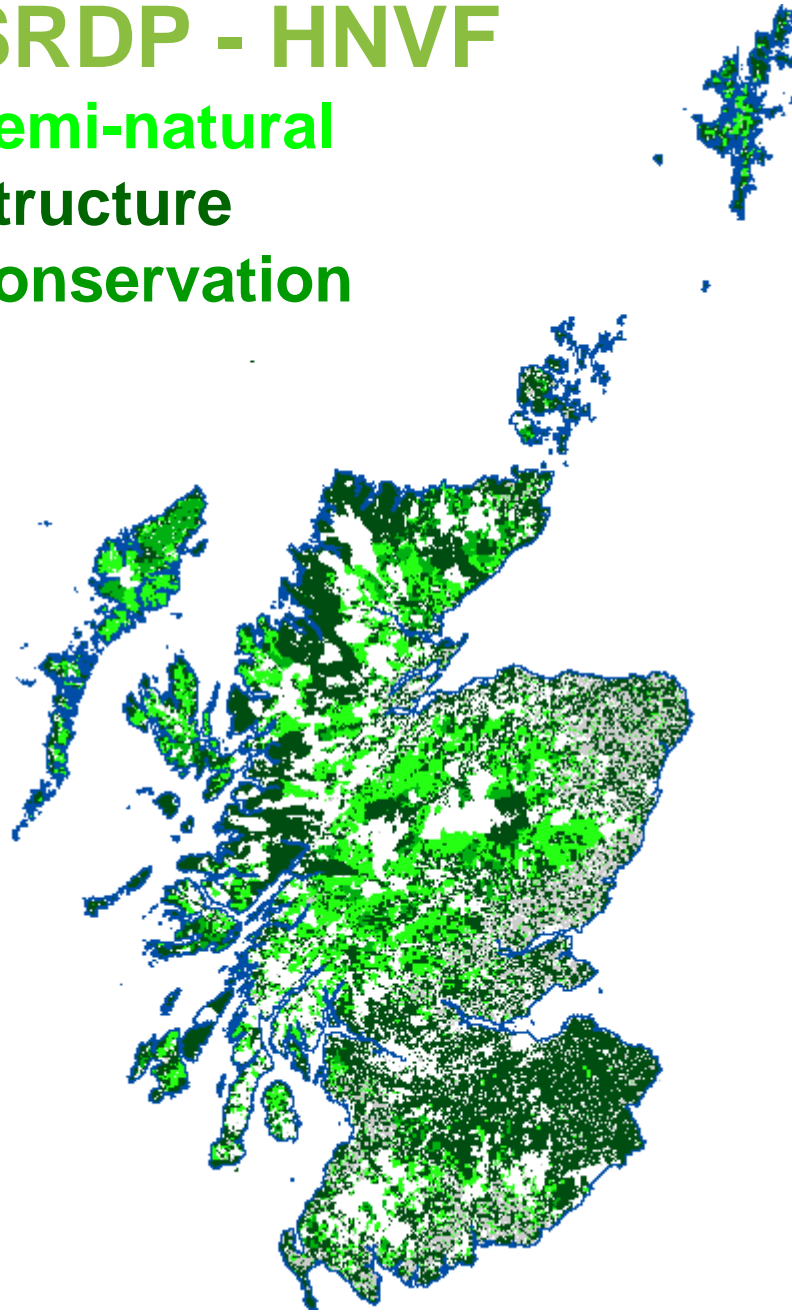
SRDP - HNVF structure





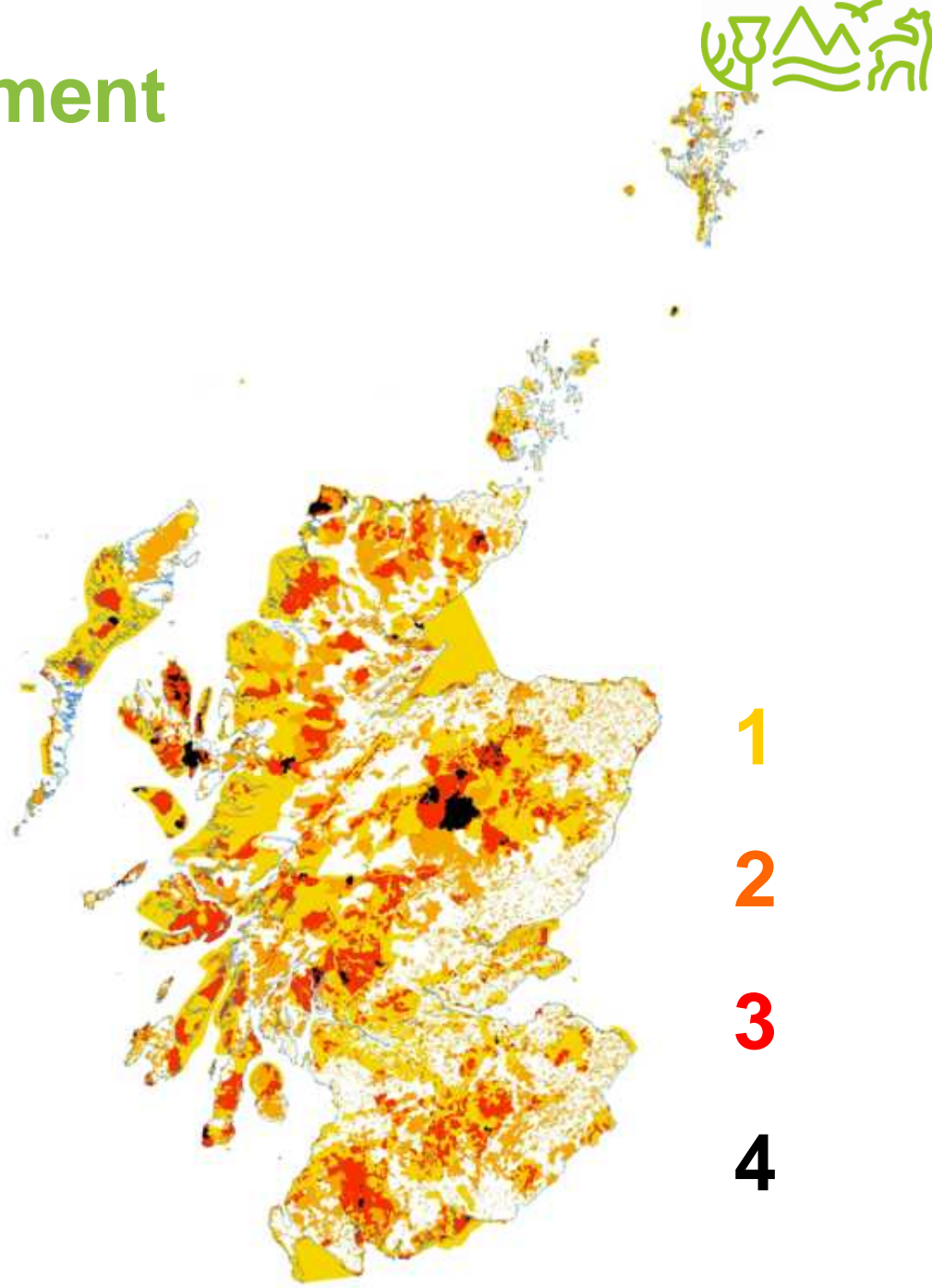
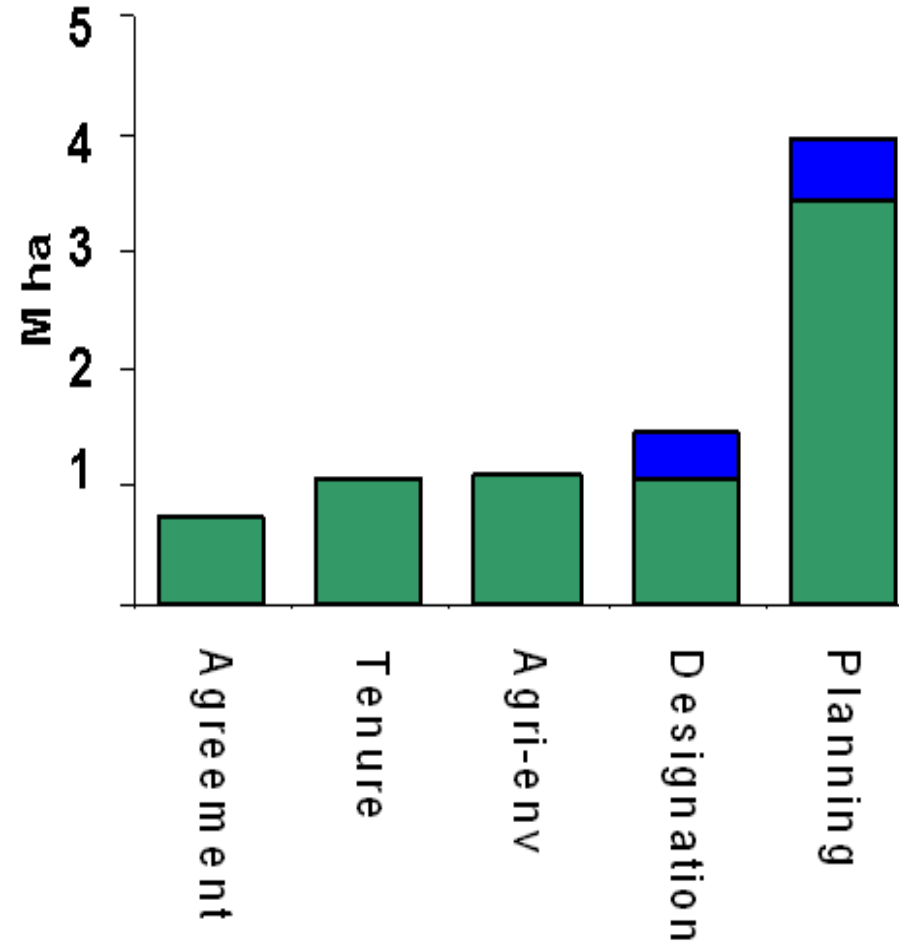
SRDP - HNVF

semi-natural
structure
conservation





Management 2008



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The Changing Nature of Scotland

Perth Concert Hall, Mill Street, Perth, PH1 5HZ, Scotland
17th – 18th September 2009

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