



The major society for professional and amateur botanists dedicated to the study of the vascular plant flora (ferns, lycophytes, conifers and flowering plants) of Britain and Ireland



aims to:

- **educate**
- **inform**
- **record and research**
- **monitor and analyse**
- **interpret**
- **publish**

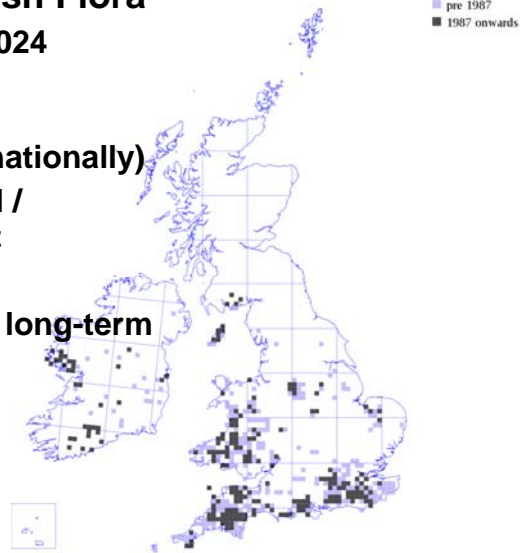
in the fields of plant taxonomy, field ID, biology, ecology and conservation



National Projects

Atlas of the British and Irish Flora

- Published in 1962, 2002, ?2024 (but WIP available online)
- Distribution at 10km scale (but working towards 2km nationally)
- BSBI's biggest professional / amateur collaborative effort
- Fieldwork 2012-2019
- Increasingly informative on long-term trends



National Projects

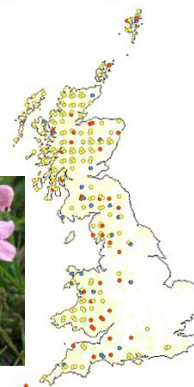
'Local Change'

- To monitor change by intensive, ostensibly repeatable recording in selected 2km squares across Great Britain
- Run in 1987-88 and 2003-04
- Some useful information, but constrained by weaknesses in methodology
- Destined to be replaced by new Surveillance Scheme (piloted in 2011-12)



Pedicularis sylvatica
Lousewort

Mapped Change	-8%	
Relative Change	-15%	± 7%
Weighted CF	-23%	± 10%
Tetrad Frequency	60%	



The decline of *Pedicularis sylvatica* has been more marked than that of the moorland with which it is largely associated. The losses are likely to be associated with the drying out of habitat fragments and with coniferisation.



National Projects

Threatened Plants Project

- To examine in detail the situation for individual populations of plants considered to be in decline
- a sample of 50 species selected
- a sample of sites across Britain selected
- data collection 2008-2013
- data analysis now in progress
- results to be widely published



National Projects

Threatened Plants Project

- Precise locations
- Environmental and habitat descriptions
- NVC communities and associate species
- Population sizes and histories
- Site management
- Perceived threats





National Projects

Threatened Plants Project Species of relevance to Avon catchment:

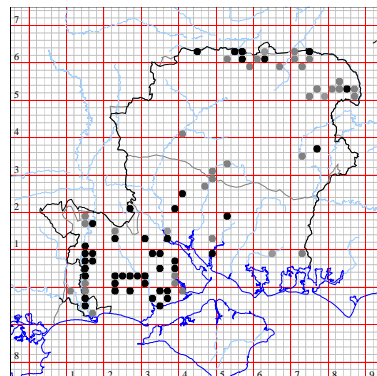
- *Stellaria palustris*
- *Oenanthe fistulosa*
- *Groenlandia densa*
- *Fallopia dumetorum*
- *Juncus compressus*
- *Scleranthus annuus*
- *Blysmus compressus*
- *Baldellia ranunculoides*
- *Persicaria minor*
- *Hypochaeris glabra*
- *Anacamptis morio*



County Projects

The County Database

- Over a million county records
- Shared with HBIC, Wildlife Trusts
- Posted nationally to BSBI and (selectively) to NBN
- Data available in full detail to conservation agencies and voluntary bodies...
- ...also on request to researchers and land managers
- All records now made to a minimum resolution of 1km (common species), 100m (scarce, threatened and invasive species)

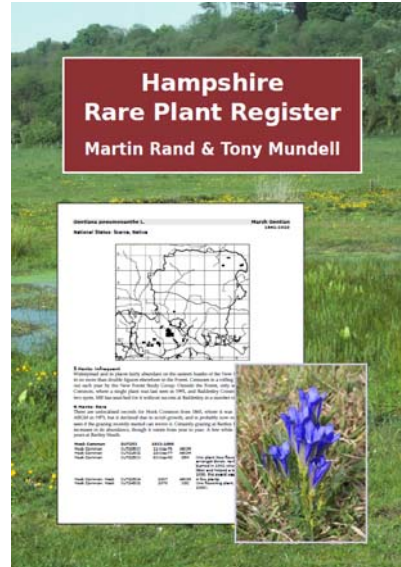




County Projects

Hampshire Rare Plant Register

- Inventory of precise locations of rare, scarce and threatened species
- Comments on history and status
- Book published late 2011
- Online updates (with expanded coverage) to be published on Web starting early 2014



County Projects

Online Supplement to 1996

Flora of Hampshire

- Groundwork in progress
- Incremental updates to appear from 2015 onwards
- All significant changes in status to documented species
- Much enhanced coverage of non-native species

