



LORNE GILL/SNH

Appendix 1 Acronyms	1
Appendix 2 Glossary	2
Appendix 3 References and Further Information	4
Appendix 4 Priority Species List	8
Appendix 5 Species of Conservation Concern List	9
Appendix 6 Who's Who	13
Registration of Interest (reply slip)	

Tayside Biodiversity Partnership



BIODIVERSITY  
THE VARIETY OF LIFE

## APPENDIX 1 - ACRONYMS

AC	Angus Council	Ramsar 1971	Ramsar Convention on Conservation of Wetlands and Waterfowl
AGRS	Angus Glens Ranger Service	RIGS	Regionally Important Geological and Geomorphological Site
ATBs	Area Tourist Boards	RSPB	Royal Society for the Protection of Birds
BAP	Biodiversity Action Plan	RSS	Rural Stewardship Scheme
BASC	British Association for Shooting and Conservation	SAC	Scottish Agricultural Colleges
BASIS	British Agrochemical Safety Inspection Standards	SAC	Special Area of Conservation under the EU Habitats Directive
BC	Butterfly Conservation	pSAC	proposed Special Area of Conservation
BFEP	Broughty Ferry Environment Project	SANA	Scottish Anglers National Association
BSBI	Botanical Society of the British Isles	SAP	Species Action Plan
BTCV	British Trust for Conservation Volunteers (Scotland)	SCM	Site Condition Monitoring (6-year species monitoring programme undertaken on SSSIs by SNH)
BTO	British Trust for Ornithology	SE	Scottish Executive
CAP	Common Agricultural Policy	SEERAD	Scottish Executive Environment and Rural Affairs Department
CBB	Cairngorm Biodiversity Board	SEPA	Scottish Environmental Protection Agency
CBD	Convention on Biological Diversity	SEPA (HEI)	SEPA Habitat Enhancement Initiative
CfS(S)	Concern for Swifts (Scotland)	SET	Scottish Enterprise Tayside
CPB	Cairngorms Partnership Board	SGCWG	Scottish Golf Course Wildlife Group
CPS	Countryside Premium Scheme	SLF	Scottish Landowners' Federation
DCC	Dundee City Council	SMP	Shoreline Management Plan
DCS	Deer Commission for Scotland	SNH	Scottish Natural Heritage
DMGs	Deer Management Groups	SNW	Scottish Native Woods
DSFBs	District Salmon Fishery Boards (Tay DSFB, Esk DSFB)	SOC	Scottish Ornithologists' Club
DSWA	Dry Stone Walling Association	SPA	Special Protection Area under the European Union Birds Directive
EU	European Union	SSSI	Site of Special Scientific Interest
EGDMG	East Grampian Deer Management Group	SW	Scottish Water
ESA	Environmentally Sensitive Area	SWT	Scottish Wildlife Trust
FC	Forestry Commission	TBAP	Tayside Biodiversity Action Plan
FE	Forest Enterprise	TBP	Tayside Biodiversity Partnership
FWAG	Farming and Wildlife Advisory Group	TEF	Tay Estuary Forum
GCR	Geological Conservation Review	TIBRE	Targeted Inputs for a Better Rural Environment
GCT	Game Conservancy Trust	UK	United Kingdom
HAP	Habitat Action Plan	UN	United Nations
HS	Historic Scotland	WGDMG	West Grampian Deer Management Group
IACS	Integrated Administration and Control System	WGS	Woodland Grant Scheme
JNCC	Joint Nature Conservation Committee	WT	Woodland Trust
LA	Local Authority	WWT	Wildfowl and Wetlands Trust
LBAP	Local Biodiversity Action Plan		
LERAP	Local Environmental Risk Assessment for Pesticides		
LNR	Local Nature Reserve		
MCS	Marine Conservation Society		
MLURI	Macauley Land Use Research Institute		
MoD	Ministry of Defence		
NERC	National Environmental Research Council		
NFUS	National Farmers' Union Scotland		
NGO	Non-governmental organisation		
NNR	National Nature Reserve		
NTS	National Trust for Scotland		
NVC	National Vegetation Classification		
PKC	Perth and Kinross Council		
PWLO	Police Wildlife Liaison Officer		

## APPENDIX 2 - GLOSSARY

2

**acidification** - increased levels of acid (lowered pH) in waterbodies which can be a result of changes in land use e.g. forestry.

**Action Plan** - a plan for the conservation of a habitat, species, area or subject of local or national importance which outlines the key issues and actions needed to protect and enhance the biodiversity of the chosen subject.

**afforestation** - the planned planting of trees.

**agri-environment** - schemes which make payment for environmental work on farms.

**alluvial** - fertile deposit of clay, silt and sand left by river floodwater.

**altitude** - height above sea level; measured in metres.

**amphibian** - a member of the vertebrate class Amphibia, e.g. frog or newt.

**arthropod** - a species having an articulated external skeleton such as an insect, spider or crustacean.

**arctic-alpine** - plants adapted to living in high altitude/ cold climates.

**base-rich or base-poor** - soil rich or poor in calcium/ magnesium carbonates.

**bat roost** - hibernation, feeding or maternity colony.

**BERN Convention** - The Bern Convention on the Conservation of European Wildlife and Natural Habitats (1992). This imposes obligations to conserve wild plants, birds and other animals with particular emphasis on endangered and vulnerable species and their habitats. Provisions of this Convention underlie the EC Habitats Directive and the UK's wildlife legislation.

**biodiversity (biological diversity)** - the variety of all living things, or the total variety of life on Earth. It includes all plants and animals, their genetic diversity, habitats, eco-systems and humans.

**biogeographical** - geographical distribution of plants and animals.

**biomass** - the total weight of living organisms in a particular area, such as all the algae in a pond.

**bioregion** - a continuous natural area such as a mountain range or river system large enough to extend beyond political boundaries.

**boreal** - of the north or the Arctic.

**brackish** - slightly salty water.

**bivalve mollusc** - any aquatic mollusc with a laterally compressed body enclosed within two hinged shells.

**bryophytes** - a major group of plants that includes mosses and liverworts.

**calcareous** - of the nature, or composed of, lime(-stone).

**calcareous grassland** - grasslands found in soils rich in calcium carbonate.

**cereal** - crop producing edible grain.

**Convention of Biological Diversity** - the international document signed by 153 world leaders, including the UK government, at the 'Earth Summit' in 1992 to 'develop national strategies, plans or programmes for the conservation and sustainable use of biodiversity'.

**community** - all the organisms (including plants, animals and micro-organisms) living in a particular habitat and which affect one another as part of the food web or through their influences on the physical environment.

**Compensation Flow** - this is the agreed minimum water flow required below intake or dam structures. The compensation flows are produced in a number of different ways. At certain locations the flow is produced by passing water through a small generator, at others water comes from regulating valves or via overshot gates.

**corries and arêtes** - **corrie** - steep-sided hollow at the head of a valley or on a mountainside; **arête** - a sharp mountain ridge.

**dolerite** - a dark igneous rock typically occurring in dykes and sills.

**Dykes and sills** - **dyke** - an intrusion of igneous rock cutting across existing strata; **sill** - a sheet of igneous rock intruded between and parallel with existing strata.

**dyke** - stone wall.

**Earth Summit** - the popular name for the United Nations Conference on Environment and Development which took place in Rio de Janeiro, Brazil, in 1992.

**ecology** - the scientific study of the interaction of organisms with their environment, including the physical environment and the other organisms living in it.

**eco-system** - the organisms living in a particular environment such as a forest or loch and the physical part of the environment that impinges on them (the organisms alone are called 'the community').

**eco-tourism** - tourism which takes into consideration many aspects of sustainable living and development and encourages the enjoyment of an area's unique landscape, fauna and flora without damaging or disturbing it.

**endangered** - referring to a species, habitat or eco-system so reduced or fragile that it is near extinction or extremely vulnerable.

**endemic species** - a species confined to a particular region and having, so far as is known, originated there.

**epiphyte** - a plant that grows on another, e.g. ferns and lichens that grow on trees.

**eutrophication** - the process of nutrient enrichment.

**exotic species** - non-native, alien or introduced species.

**fauna** - all the animals found in a particular place.

**fault** - an extended break in a rock formation marked by the displacement and discontinuity of layers on either side.

**fen** - low marshy land, often waterlogged or covered with water.

**flora** - all the plants found in a particular place.

**floodplain** - flat area beside a river prone to periodic flooding.

**fish counters** - a device, often located within a fish ladder, for recording the passage of fish.

**fish ladders** - a man-made route up an otherwise impassable section of watercourse to allow the upstream migration of fish (the longest one in the UK is in the River Gaur, upstream of Loch Rannoch, Perthshire).

**freshet** - artificial spate designed to be released from a dam or intake in order to encourage upstream migration of salmon and/or sea trout.

**geodiversity (geological diversity)** - the diversity of rocks, soils, landforms and active physical processes.

**glochidia** - the juvenile larvae of a bivalve mollusc such as *Margaritifera*.

**habitat** - the area in which different species (inc. plants and animals) are present, e.g. woodland, wetland.

**Habitat Action Plan** - a plan outlining the current status and extent of a specific habitat (such as Upland Oakwood, Standing Open Water), known factors causing loss or decline of the habitat, and current and proposed action to safeguard or enhance the habitat.

**Habitats Convention** - The EC Council Directive on the Conservation of Natural Habitats of Wild Fauna and Flora adopted by the Council in 1992 - the Habitats and Species Directive. This contributes to the conservation of biodiversity by requiring Member States to take measures to maintain or restore natural habitats and wild species at a favourable conservation status giving effect to both site and species protection objectives.

Tayside Biodiversity Partnership



BIODIVERSITY  
THE VARIETY OF LIFE

**hectare** - metric unit of area – equal to 2.47 acres.

**igneous rocks** - rocks formed by volcanic processes.

**insecticides** - chemicals used to destroy insect pests.

**intrusion** - igneous rock forced into a pre-existing rock formation.

**invertebrate** - an animal lacking a backbone (i.e. insects).

**kilometre** - 1,000 metres – equal to 0.62 miles.

**lime-rich** - soil rich in calcium carbonate.

**Local Agenda 21** - LA21 has the same roots as the Biodiversity Action Plan in the Rio Earth Summit 1992. It describes the local actions needed to promote sustainability.

**Local Biodiversity Action Plan** - an LBAP is a process rather than a plan in the conventional sense. Focussing on local action, it is a mechanism to ensure both nationally and locally important species and habitats are conserved and enhanced in a specific area.

**Local Nature Reserve** - a reserve designated by the local authority to safeguard habitats and species and for enjoyment by the public. Montrose Basin, Angus, is an LNR.

**macrophyte** - larger aquatic plants, i.e. flowering plants.

**mammal** - an animal characterised by production of milk in the female mammary gland and possession of a body covering of hair.

**mesotrophic** - a body of water with a medium nutrient content.

**montane habitats** - areas above the natural level of tree development (600m), including heath and areas which are snow-covered for part of the year

**National Nature Reserve** - a reserve declared under law and managed either by one of the statutory nature conservation agencies or by an approved body. Loch Leven, Kinross-shire, is an NNR.

**nitrogenous fertiliser** - nitrogen-based fertiliser,

**nutrient enrichment** - increased levels of nutrients, in particular those resulting in lowered oxygen levels in waterbodies.

**oligotrophic** - a nutrient-poor body of water

**passerine** - order of birds characterised by the perching habit, i.e. larks, finches, etc.

**pesticides** - chemicals used for killing undesirable plants, insects and fungi.

**podzol** - a soil community found under coniferous forests which tends to consist of poorly decomposed organic layers with some organic matter in the sub-soil.

**population** - in biology, a group of organisms belonging to the same species at the same time and place.

**Priority habitat** - a habitat identified by the UK Biodiversity Group as being a priority for action. These are habitats under particular threat from decline or are of particular importance for priority species.

**Priority species** - a species identified by the UK Biodiversity Group as being a priority for action. These are species for which the UK has international obligations and which are under particular threat or are suffering a high rate of decline.

**quartzite** - a compact, hard, granular rock consisting mainly of quartz.

**riparian** - the area on or around riverbanks, burns and lochs.

**rodenticide** - a pesticide designed to kill rodents (mice, rats, etc.).

**salmonid** - a migratory fish of the family Salmonidae, especially Salmon and Trout.

**schist** - a coarse-grained metamorphic rock consisting of layers of different minerals and which can be split into thin irregular plates.

**siltstone** - fine-grained sedimentary rock consisting of consolidated silt.

**species** - a group of organisms (living things) capable of reproducing to give fertile off-spring.

**Species Action Plan** - a plan outlining the current status and extent of an individual species or group of species (such as Grey Partridge or Bat spp.), known factors causing loss or decline of the species, and current and proposed action to safeguard or enhance it.

**Species of Conservation Concern** - a species identified by the UK Biodiversity Group as threatened or declining in range. These species are the next level of concern after those identified as Priority Species.

**species-rich** - a grassland supporting a high proportion of wildflowers to grasses and/ or a wide range of wildflower species.

**spp.** - species.

**stakeholders** - the audience to whom the Action Plan is relevant.

**stratigraphy** - layers of sediment deposited over a period of time.

**substrate** - the surface or material on which an organism lives, grows or feeds.

**sustainable development** - development which meets the needs of the present without compromising the ability of future generations to meet their own needs. Sustainable development uses land and water to sustain production indefinitely without environmental deterioration and, ideally, without the loss of native biodiversity.

**terpene** - any of a large group of hydrocarbons found in essential oils, especially in conifers and other plants.

**topography** - a description of natural and artificial features of an area, including altitudinal variations.

**tranche** - in the context of biodiversity planning - a set of Action Plans.

**treeline** - this LBAP uses the term in two ways: in the 'montane' sense - the highest altitude at which trees naturally occur (approximately 600m); in the 'lowland' sense – a row of standard trees growing in a hedgerow or as a separate row or avenue of trees.

**UK Biodiversity Action Plan** - with its roots in the Rio Earth Summit 1992, the UK BAP, produced by the UK government, consists of various UK documents which detail actions necessary to safeguard and enhance a wide range of habitats and species. The UKBAP is the basis for all Local Biodiversity Action Plans.

**vertebrate** - any animal with a backbone. There are five major groups of living vertebrates: fishes, amphibians, reptiles, birds and mammals.

**wildlife corridor** - linking habitats within a wider landscape or urban context to enable species to travel to feeding or breeding areas, or to aid in the dispersal of young to set up new breeding areas. Such 'green corridors' can include series of private gardens, or be linear in nature, i.e. hedgerows, dykes and ditches, treelines or roadside verges joining separated habitats.

## APPENDIX 3 - REFERENCES AND FURTHER INFORMATION

It is proposed that an Appendix will be added to the Second Tranche listing a variety of local and national contacts. If you need contact details in the meantime, please contact the Biodiversity Co-ordinator direct or check the list below for a variety of organisations' websites.

<b>Angus Council</b>	<a href="http://www.angus.gov.uk">www.angus.gov.uk</a>
<b>Bat Conservation Trust</b>	<a href="http://www.bats.org.uk">www.bats.org.uk</a>
<b>British Association of Nature Conservationists</b>	<a href="http://www.banc.org.uk">www.banc.org.uk</a>
<b>British Dragonfly Society</b>	<a href="http://www.dragonflysoc.org.uk">www.dragonflysoc.org.uk</a>
<b>British Herpetological Society</b>	<a href="http://www.thebhs.org">www.thebhs.org</a>
<b>British Hedgehog Preservation Society</b>	<a href="http://www.software-technics.co.uk/bhps">www.software-technics.co.uk/bhps</a>
<b>Botanical Society of the British Isles</b>	<a href="http://www.rbge.org.uk/BSBI">www.rbge.org.uk/BSBI</a>
<b>BTCV Scotland</b>	<a href="mailto:Stirling@btcv.org.uk">Stirling@btcv.org.uk</a>
<b>BTO</b>	<a href="http://www.bto.org.uk">www.bto.org.uk</a>
<b>Butterfly Conservation (Scotland)</b>	<a href="http://www.butterfly-conservation.org">www.butterfly-conservation.org</a>
<b>DETR</b>	<a href="http://www.environment.detr.gov.uk">www.environment.detr.gov.uk</a>
<b>Dry Stone Walling Association</b>	<a href="http://www.dswa.org.uk/index.html">www.dswa.org.uk/index.html</a>
<b>Dundee City Council</b>	<a href="http://www.dundee.gov.uk">www.dundee.gov.uk</a>
<b>Earthwatch Institute (Europe)</b>	<a href="http://www.uk.earthwatch.org">www.uk.earthwatch.org</a>
<b>Farming and Wildlife Advisory Group</b>	<a href="http://www.fwag.org.uk">www.fwag.org.uk</a>
<b>Fisheries Research Services</b>	<a href="http://www.marlab.ac.uk">www.marlab.ac.uk</a>
<b>Forestry Commission Scotland</b>	<a href="http://www.forestry.gov.uk">www.forestry.gov.uk</a>
<b>Froglife</b>	<a href="http://www.froglife.org">www.froglife.org</a>
<b>British Geological Survey</b>	<a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>
<b>Green Tourism (Scotland)</b>	<a href="http://www.greentourism.org.uk">www.greentourism.org.uk</a>
<b>Grounds for Learning</b>	<a href="mailto:gflscotland@stir.ac.uk">gflscotland@stir.ac.uk</a>
<b>Mammal Society</b>	<a href="http://www.abdn.ac.uk/mammal">www.abdn.ac.uk/mammal</a>
<b>National Biodiversity Network</b>	<a href="http://www.nbn.org.uk">www.nbn.org.uk</a>
<b>NFUS</b>	<a href="http://www.nfus.org.uk">www.nfus.org.uk</a>
<b>National Trust for Scotland</b>	<a href="http://www.nts.org.uk">www.nts.org.uk</a>
<b>Perth and Kinross Council</b>	<a href="http://www.pkc.gov.uk">www.pkc.gov.uk</a>
<b>Plantlife</b>	<a href="http://www.plantlife.org.uk">www.plantlife.org.uk</a>
<b>Royal Society for the Protection of Birds</b>	<a href="http://www.rspb.org.uk">www.rspb.org.uk</a>
<b>River Restoration Centre</b>	<a href="http://www.qest.demon.co.uk/rrc/rrc.htm">www.qest.demon.co.uk/rrc/rrc.htm</a>
<b>Scottish Agricultural Colleges</b>	<a href="http://www.sac.ac.uk">www.sac.ac.uk</a>
<b>Scottish Badgers</b>	<a href="http://www.scottishbadgers.org.uk">www.scottishbadgers.org.uk</a>
<b>Scottish Biodiversity Forum</b>	<a href="http://www.scotland.gov.uk/biodiversity">www.scotland.gov.uk/biodiversity</a>
<b>Scottish Environment Protection Agency</b>	<a href="http://www.sepa.org.uk">www.sepa.org.uk</a>
<b>Scottish Executive Environment and Rural Affairs Dept.</b>	<a href="http://www.scotland.gov.uk">www.scotland.gov.uk</a>
<b>Scottish Lowland Native Woods</b>	<a href="http://www.snw.btinternet.com">www.snw.btinternet.com</a>
<b>Scottish Natural Heritage</b>	<a href="http://www.snh.org.uk">www.snh.org.uk</a>
<b>Scottish Ornithologists' Club</b>	<a href="http://www.soc.org.uk">www.soc.org.uk</a>
<b>Scottish Wildlife Trust</b>	<a href="http://www.swt.org.uk">www.swt.org.uk</a>
<b>Tayside RIGS (c/o BGS)</b>	<a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>
<b>UK Biodiversity Group</b>	<a href="http://www.ukbap.org.uk">www.ukbap.org.uk</a>
<b>WWF in Scotland</b>	<a href="http://www.wwf-uk.org">www.wwf-uk.org</a>
<b>Wildfowl and Wetlands Trust</b>	<a href="http://www.wwt.org.uk">www.wwt.org.uk</a>



## GENERAL INTRODUCTION REFERENCES

- Professor Chris Baines. *Environment Action*. Environment Agency, Oct. 2001
- Biodiversity Challenge Group. *Biodiversity Counts – Delivering a Better Quality of Life*. 2001
- McKirdy A.P. and Crofts, R. *Scotland – The Creation of its Natural Landscape. A Landscape Fashioned by Geology*. Scottish Natural Heritage. 1999
- F. Fraser Darling. *Natural History of the Highlands and Islands*. Collins. 1947
- Scottish Biodiversity Group. *Action for Scotland's Biodiversity*. ISBN 1-84268-010-2. 2000
- Scottish Biodiversity Group. *A Flying Start – Local Biodiversity Action in Scotland*. ISBN 0-7559-0183-5. 2001
- Scottish Biodiversity Group. *Local Biodiversity Action Plans in Scotland: Sector Guidance Note 1 (Geodiversity)*
- Scottish Executive. *Meeting the Needs (Priorities, Actions and Targets for Sustainable Development in Scotland)*. Paper 2002/14. 2002
- Scottish Executive. *Scotland's Native Trees and Shrubs – Designer's Guide to their Selection, Procurement and Use in Road Landscape*. 2002
- David Suzuki. *The Sacred Balance – Rediscovering our Place in Nature*. ISBN 0-553-81273-4. Bantam. 1997
- Tree Warden News. *50 Great British Trees*. Tree Council and National Grid. Summer 2002
- Wackernagel, Mathias et al. *Ecological Footprints of Nations*. 1997. [www.ecouncil.ac.cr/rio/focus-report/english/footprint/](http://www.ecouncil.ac.cr/rio/focus-report/english/footprint/)
- E.O.Wilson. *The Diversity of Life*. ISBN 0-14-029161-X. 1992 and Penguin reprint 2001
- WWF International. *Living Planet Report*. ISBN 2-88085-241-2. 2000

## COAST AND ESTUARIES REFERENCES

- Buck, A. L. *An inventory of UK estuaries*. JNCC. Peterborough 1993
- Dargie, T. 2000. *Sand Dune Vegetation Survey of Scotland*. Scottish Natural Heritage
- Davidson, N.C. et al. *Nature Conservation and Estuaries in Great Britain*. NCC Peterborough 1991
- Eds J.Doody, C.Johnston, B.Smith. (1993) *Directory of the North Sea Coastal Margin*. JNCC
- G.Lees, K.Duncan. *Coasts*. Scottish Natural Heritage
- Maitland, P. and Lyle, A. *The Smelt (Osmerus eperlanus) in Scotland* source unknown
- Maitland, P. et al (eds) *The Fresh Waters of Scotland: A National Resource of International Significance* John Wiley and Sons Ltd 1994
- Rafaelli, D. *Conservation of Scottish Estuaries*. Proceedings of the Royal Society of Edinburgh 100B pp55-76 1992
- Usher, M (ed) *Action for Scotland's Biodiversity* Scottish Biodiversity Group 2000
- *Biodiversity: the UK Steering Group Report, Volume 2: Action Plans* HMSO 1995

## FARMLAND REFERENCES

- Countryside Commission for Scotland. *National Countryside Monitoring Scheme*. 1988
- Drystone Walling Association. *Survey of Dyke Condition in Central Scotland 2000*
- Farming and Wildlife Advisory Group. *Hedges and Field Boundaries*. 1989
- Farming and Wildlife Advisory Group. *The Good Hedge Guide*. Bayer plc Agricultural Division
- HMSO. *Biodiversity: The UK Steering Group Report, Vol. 2: Action Plans*. 1995
- Ministry of Agriculture, Fisheries and Food. *Survey of Environmental Management on Farms*. 2000
- Newson, M.D. *Inventory of Potential Breeding Wader Sites, contract report to RSPB Conservation Planning and Reserves Departments*. 1991
- RSPB, ITE, EN. *The Wet Grassland Guide: Managing Floodplain and Coastal Wet Grassland for Wildlife*. RSPB Sandy. 1997

## UPLAND REFERENCES

- Cairngorms Partnership. *The Cairngorms Partnership Work Plan 1999 – 2001*
- Damian Aubrey, Cairngorms Partnership. *Research and Monitoring in the Cairngorms*. SNH. April 2000
- DCS, SNH, FC, ADMG, BASC, BDS. *Collaborative Deer Management – Guidelines for a Deer Management Plan*. Deer Commission for Scotland. 1999
- Fiona E Stewart, Sarah G. Eno. *Grazing Management Planning for Upland Natura 2000 Sites – A practical manual*. The National Trust for Scotland. 1998
- Genevieve Leaper. *Biodiversity of Cairngorms - A Preliminary Assessment of Priority Habitats and Species*. Cairngorms Partnership. 1999
- Genevieve Leaper. *Biodiversity of Tayside - A Preliminary Assessment of Priority Habitats and Species*. 1999
- Michael Scott – Montane Scrub Action Group. *Montane Scrub – Natural Heritage Management*. SNH. 2000
- Neil A Mackenzie. *Low Alpine, Sub-alpine & Coastal Scrub Communities in Scotland*. Highland Birchwoods. 2000
- The Macaulay Land Use Research Institute. *The Land Cover of Scotland*. Scottish Executive. 1988

## URBAN REFERENCES

- Angus Council. *APSE performance figures - recreation stats*.
- Barratt, M. *On Course for Change*. The Royal and Ancient Golf Club, St. Andrews. 2000
- Emery, M. *Promoting Nature in Cities and Towns, A Practical Guide*. Ecological Parks Trust / Croom Helm Ltd. 1986 ISBN 0-7099-0970-5
- Environment Agency. *Guidance for the Control of Invasive Plants near Water Courses*. 1996
- ITE/IFE. *Countryside Survey*. 1990
- Open Space Survey, 1996. *Dundee's Public Open Space Strategy*. 1999
- Pond Conservation Trust. *The Pond Book – a Guide to the Management and Creation of Ponds*. 1999 ISBN 0-9537971-0-4
- ed. Rodwell. *British Plant Communities Volume 5*. Cambridge University Press, Cambridge. 2000
- Scottish Executive. *Statistical Bulletin ENV/2001: Derelict and Vacant land statistics*. (figures for Dundee - 1999 survey; figures for Angus - 2000 survey; P&K statistics unknown).
- Scottish Golf Course Wildlife Group. *The Old Course St. Andrews*. 2000
- Scottish Golf Course Wildlife Group. *Producing Management Plans for Golf Courses: a Manual*. 2000
- Scottish Golf Course Wildlife Group. *Nature conservation and Golf Course Development: Best Practice Advice*. 2000
- Scottish Golf Course Wildlife Group. *The Golf Bag*. 1999
- SEPA Habitat Enhancement Initiative. *Ponds, pools and lochans* ISBN 1-901322-16-5. 2000
- SEPA Habitat Enhancement Initiative. *Watercourses in the Community*. ISBN 1-901322-15-7. 2000

## WATER AND WETLAND REFERENCES

- Cairngorms Rivers Project. *Phase 1 Report: February 2000*
- CIRIA/SUDS Scottish Working Party. *Sustainable Urban Drainage Systems: design manual for Scotland and Northern Ireland*. CIRIA, London. 2000. ISBN 0 86017 5219
- Environment Agency. *Restoration of Riverine Salmon Habitats technical report W44*.
- Forestry Commission *Forest and Water Guidelines*. 1993
- MAFF. *The Green Code - code of good practice for the safe use of pesticides on farms and holdings* PB3528. 1998
- Maitland P.S., Boon P.J. and McLusky D.S. (eds.) *The Freshwaters of Scotland*. John Wiley and Sons. 1994. ISBN 0-471-94462-9
- *Notes for guidance on the provision of fish passes and screens for the safe passage of salmon*. ISBN 0 7480 3105 Y
- Parrot J., and MacKenzie N. *Restoring and Managing Riparian Woodlands*. Scottish Native Woods. 2000. ISBN 0 9529283 2 9
- *Planning guidelines e.g. NPPG No.7 Planning and flooding*.
- *River Habitat Quality - the physical character of rivers and streams in the UK and Isle of Man*. ISBN 1 873160 42 9
- RoSPA. *Safety at Inland Water Sites*.
- Scottish Executive and SNH. *Protecting and Promoting Scotland's Freshwater Fish and Fisheries*.
- SNH. *Natural Heritage Futures*.
- *The New Rivers and Wildlife Handbook*. ISBN 0-903138-70-0
- *Wild and Farmed Salmon in Scotland*. 1989. ISBN 0 86139 545 X.



SEPA has a wide selection of documents and guidance notes available; a few are listed here:

- *Aquatic pollution – various leaflets and documents.*
- *Environmental Strategy. 1998*
- *Improving Scotland's Water Environment. State of the Environment Report. 1999. ISBN 1-901322-11-3*
- *Policy No. 4 (the Consent Conditions Manual).*
- *Policy No. 15 (regulation on urban drainage).*
- *Policy No. 16 (Total Phosphorus Water Quality Standards for Scottish Freshwater Lochs).*
- *Policy No. 21 (Strategy for Implementing Actions under the UK Biodiversity Action Plan).*
- *Policy No. 22 (flood risk assessment strategy).*
- *Ponds, Pools and Lochans: Guidance on good practice in the management and creation of small waterbodies in Scotland. (SEPA HEI). 2000. ISBN 1-901322-16-5*
- *The Natural Heritage Handbook and Information Annex.*
- *Watercourses in the Community. 2000. ISBN 1-901322-15-7*

## WOODLAND REFERENCES

- **Forestry Commission.** *The Native Woodland Resource of Scotland. A Review 1993 – 1998.* Forestry Commission Scotland. 1999
- **Forestry Commission Scotland.** *Caledonian Pinewood Inventory. 1998*
- **Forestry Commission Scotland.** *Forestry Practice Guides 1-8.*
- **Forestry Commission.** *National Inventory of Woodland and Trees. 1995*
- **Forestry Commission.** *Upland Oakwoods – Forestry Practice Note Guide 5.* Forestry Commission Edinburgh.
- **Forestry Commission.** *The UK Forestry Standard (1998).*
- **Hall J.E. & Kirby K.J.** *Ecological Classification of National Woodland Habitat Action Plan Types.* Joint Nature Conservation Committee Report 288. JNCC, Peterborough. 1998
- **Humphrey J.W., Ferris R., Jukes M.R., Peace A.J.** *Forest Research Annual Report: The Potential Contribution of Conifer Plantations to the UK Biodiversity Action Plan. 2000*
- **Leaper, G.** *Biodiversity of Tayside, A Preliminary Assessment Of Priority Habitats And Species. 1999*
- **Mackenzie, N.A.** *The Native Woodland Resource of Scotland. A Review 1993 – 1998. Technical Paper 30.* Forestry Commission, Edinburgh. 1999
- **Rodwell, J.S. (Editor).** *British Plant Communities, vol. 1: Woodlands and Scrub.* Cambridge University Press, Cambridge. 1991
- **Rodwell, J.S. and Patterson G.** *Creating New Native Woodlands. Forestry Commission Bulletin 112.* HMSO London. 1994
- **Steven, H M and Carlisle, A.** *The Native Pinewoods of Scotland. 1959*
- **Tayside Native Woodland Initiative.** *The Future for Tayside's Native Woodlands.* TNWI, Perth. 1995
- **Tayside Native Woodland Initiative.** *Native Woodland Action Plan for Tayside.* TNWI, Perth. 1997
- **UKBG.** *Final Draft (v5) for UKBG Endorsement. 1999*

## APPENDIX 4 - PRIORITY SPECIES

species occurring (or known to have occurred) in Tayside for which either a national Species Action Plan or Species Statement has been published.

### Vertebrates

Mammal	brown hare	<i>Lepus europaeus</i>
Mammal	European otter	<i>Lutra lutra</i>
Mammal	pipistrelle bat	<i>Pipistrellus pipistrellus</i>
Mammal	bottle-nosed dolphin	<i>Tursiops truncatus</i>
Mammal	harbour porpoise	<i>Phocoena phocoena</i>
Mammal	minke whale	<i>Balaenoptera acutorostrata</i>
Mammal	red squirrel	<i>Sciurus vulgaris</i>
Mammal	water vole	<i>Arvicola terrestris</i>
Bird	black grouse	<i>Tetrao tetrix</i>
Bird	bullfinch	<i>Pyrrhula pyrrhula</i>
Bird	capercaillie	<i>Tetrao urogallus</i>
Bird	common scoter	<i>Melanitta nigra</i>
Bird	corn bunting	<i>Miliaria calandra</i>
Bird	grey partridge	<i>Perdix perdix</i>
Bird	linnet	<i>Carduelis cannabina</i>
Bird	reed bunting	<i>Emberiza schoeniclus</i>
Bird	Scottish crossbill	<i>Loxia scotica</i>
Bird	skylark	<i>Alauda arvensis</i>
Bird	song thrush	<i>Turdus philomelos</i>
Bird	spotted flycatcher	<i>Muscicapa striata</i>
Bird	tree sparrow	<i>Passer montanus</i>
Amphibian	great crested newt	<i>Triturus cristatus</i>
Fish	allis shad	<i>Alosa alosa</i>
Fish	commercial marine fish stocks - cod, hake, herring, plaice, saithe, sole, whiting	
Fish	common skate	<i>Raja batis</i> *
Fish	twaite shad	<i>Alosa fallax</i>

### Invertebrates

Ant	narrow-headed wood ant	<i>Formica exsecta</i>
Ant	northern wood ant	<i>Formica lugubris</i>
Ant	Scottish wood ant	<i>Formica aquilonia</i>
Ant	shining guest ant	<i>Formicoxenus nitidulus</i>
Bee	a mason bee	<i>Osmia inermis</i>
Bee	a mason bee	<i>Osmia parietina</i>
Beetle	a diving beetle	<i>Hydroporus rufifrons</i>
Beetle	a leaf beetle	<i>Cryptocephalus primarius</i>
Beetle	ten-spotted pot beetle	<i>Cryptocephalus decemmaculatus</i>
Butterfly	northern brown argus	<i>Aricia artaxerxes</i>
Butterfly	pearl-bordered fritillary	<i>Boloria euphrosyne</i>
Fly	a cranefly	<i>Lipsothrix errans</i>
Fly	a cranefly	<i>Rhabdomastrix laeta</i>
Fly	a stiletto fly	<i>Spiriverpa lunulata</i>
Mollusc	a freshwater pearl mussel	<i>Margaritifera margaritifera</i>
Mollusc	Geyer's whorl snail	<i>Vertigo geyeri</i>
Mollusc	native oyster	<i>Ostrea edulis</i>
Mollusc	round-mouth whorl snail	<i>Vertigo genesii</i>
Moth	cousin german	<i>Paradiarsia sobrina</i>
Moth	northern dart	<i>Xestia alpica alpina</i>
Moth	square-spotted clay	<i>Xestia rhomboidea</i> *
Moth	sword grass	<i>Xylena exsoleta</i>
Spider	a spider	<i>Clubiona subsultans</i>
Wasp	cuckoo wasp	<i>Chrysura hirsuta</i>

### Vascular Plants

Vascular plant	juniper	<i>Juniperus communis</i>
Vascular plant	marsh clubmoss	<i>Lycopodiella inundata</i>
Vascular plant	mountain scurvy-grass	<i>Cochlearia micacea</i>
Vascular plant	Newman's lady fern	<i>Athyrium flexile</i>
Vascular plant	oblong woodsia	<i>Woodsia ilvensis</i>
Vascular plant	pillwort	<i>Pilularia globulifera</i>
Vascular plant	slender naiad	<i>Najas flexilis</i>
Vascular plant	small cow-wheat	<i>Melampyrum sylvaticum</i>
Vascular plant	twinflower	<i>Linnaea borealis</i>
Vascular plant	woolly willow	<i>Salix lanata</i>

### Lower Plants

Moss	pict moss	<i>Pictus scoticus</i>
Moss	rigid apple moss	<i>Bartramia stricta</i> *
Moss	Scottish beard moss	<i>Bryoerythrophyllum caledonicum</i>
Moss	Matted bryum	<i>Bryum calophyllum</i>
Moss	sea bryum	<i>Bryum warneum</i>
Moss	slender green feather-moss	<i>Hamatocaulis vernicosus</i>
Moss	Spruce's bristle moss	<i>Orthotrichum sprucei</i>
Liverwort	Stabler's rustwort	<i>Marsupella stableri</i>
Stonewort	slender stonewort	<i>Nitella gracilis</i>

### Fungi & Lichens

Fungus	blue corky spine fungus	<i>Hydnellum caeruleum</i>
Fungus	brown corky spine fungus	<i>Hydnellum peckii</i>
Fungus	concretescent corky spine fungus	<i>Hydnellum concretescens</i>
Fungus	date-coloured waxcap	<i>Hygrocybe spadicea</i>
Fungus	drab tooth fungus	<i>Bankera fuligineoalba</i>
Fungus	goblet scented pine fungus	<i>Phellodon tomentosus</i>
Fungus	scaly tooth	<i>Sarcodon imbricatus</i>
Lichen	a lichen	<i>Bacidia incompta</i>
Lichen	a lichen	<i>Biatoridium monasteriense</i>
Lichen	a lichen	<i>Gyalideopsis scotica</i>
Lichen	a lichen	<i>Halecania rhyodiza</i>
Lichen	a lichen	<i>Opegrapha paraxanthodes</i>
Lichen	ear-lobed dog-lichen	<i>Peltigera lepidophora</i>
Lichen	elm gyalecta	<i>Gyalecta ulmi</i>
Lichen	orange fruited elm-lichen	<i>Caloplaca luteoalba</i>
Lichen	river jelly lichen	<i>Collema dichotomum</i>
Lichen	snow caloplaca	<i>Caloplaca nivalis</i>
Lichen	stump lichen	<i>Cladonia botrytes</i>
Lichen	tree catapyrenium	<i>Catapyrenium psoromoides</i>
Lichen	warty wax lichen	<i>Thelenella modesta</i>

\* Species that are possibly extinct in Tayside.

Species that have not been recorded in Tayside for at least thirty years have in most cases been omitted from this list. For the majority of these it is unclear whether they still persist and little is known about them. Vagrant species and rare passage migrants have also been excluded.

List prepared by Perth Museum Biological Records Centre.

Based on Leaper, G. (1999) "Biodiversity of Tayside - A Preliminary Assessment of Priority Habitats" and species and data supplied by SNH Natural Heritage Data Unit.

## APPENDIX 5 - SPECIES OF CONSERVATION CONCERN

Species identified by the UK Biodiversity Group as threatened or declining in range and occurring (or known to have occurred) in Tayside.

### Vertebrates

Mammal	badger	<i>Meles meles</i>	Bird	great skua	<i>Stercorarius skua</i>
Mammal	brown long-eared bat	<i>Plecotus auritus</i>	Bird	great spotted woodpecker	<i>Dendrocopos major</i>
Mammal	common seal	<i>Phoca vitulina</i>	Bird	great tit	<i>Parus major</i>
Mammal	common shrew	<i>Sorex araneus</i>	Bird	green woodpecker	<i>Picus viridis</i>
Mammal	Daubenton's bat	<i>Myotis daubentonii</i>	Bird	greenfinch	<i>Carduelis chloris</i>
Mammal	fallow deer	<i>Dama dama</i>	Bird	greenshank	<i>Tringa nebularia</i>
Mammal	grey seal	<i>Halichoerus grypus</i>	Bird	grey plover	<i>Pluvialis squatarola</i>
Mammal	hedgehog	<i>Erinaceus europaeus</i>	Bird	grey wagtail	<i>Motacilla cinerea</i>
Mammal	mountain hare	<i>Lepus timidus</i>	Bird	greylag goose	<i>Anser anser</i>
Mammal	Natterer's bat	<i>Myotis nattereri</i>	Bird	guillemot	<i>Uria aalge</i>
Mammal	pine marten	<i>Martes martes</i>	Bird	hawfinch	<i>Coccothraustes coccothraustes</i>
Mammal	pygmy shrew	<i>Sorex minutus</i>	Bird	hen harrier	<i>Circus cyaneus</i>
Mammal	red deer	<i>Cervus elaphus</i>	Bird	herring gull	<i>Larus argentatus</i>
Mammal	roe deer	<i>Capreolus capreolus</i>	Bird	house martin	<i>Delichon urbica</i>
Mammal	stoat	<i>Mustela erminea</i>	Bird	kestrel	<i>Falco tinnunculus</i>
Mammal	water shrew	<i>Neomys fodiens</i>	Bird	kingfisher	<i>Alcedo atthis</i>
Mammal	weasel	<i>Mustela nivalis</i>	Bird	kittiwake	<i>Rissa tridactyla</i>
Mammal	white-beaked dolphin	<i>Lagenorhynchus albirostris</i>	Bird	knot	<i>Calidris canutus</i>
Mammal	wild cat	<i>Felis silvestris</i>	Bird	lapwing	<i>Vanellus vanellus</i>
Bird	Arctic skua	<i>Stercorarius mollissima</i>	Bird	lesser black-backed gull	<i>Larus fuscus</i>
Bird	Arctic tern	<i>Sterna paradisaea</i>	Bird	lesser redpoll	<i>Carduelis flammea</i>
Bird	barn owl	<i>Tyto alba</i>	Bird	little ringed plover	<i>Charadrius dubius</i>
Bird	bar-tailed godwit	<i>Limosa lapponica</i>	Bird	little tern	<i>Sterna albifrons</i>
Bird	bearded tit	<i>Panurus biarmicus</i>	Bird	long-eared owl	<i>Asio otus</i>
Bird	blackcap	<i>Sylvia atricapilla</i>	Bird	mallard	<i>Anas platyrhynchos</i>
Bird	black-necked grebe	<i>Podiceps nigricollis</i>	Bird	marsh harrier	<i>Circus aeruginosus</i>
Bird	black-tailed godwit	<i>Limosa limosa</i>	Bird	meadow pipit	<i>Anthus pratensis</i>
Bird	black-throated diver	<i>Gavia arctica</i>	Bird	merlin	<i>Falco columbarius</i>
Bird	blue tit	<i>Parus caeruleus</i>	Bird	mute swan	<i>Cygnus olor</i>
Bird	brambling	<i>Fringilla montifringilla</i>	Bird	osprey	<i>Pandion haliaetus</i>
Bird	buzzard	<i>Buteo buteo</i>	Bird	oystercatcher	<i>Haematopus ostralegus</i>
Bird	chiffchaff	<i>Phylloscopus collybita</i>	Bird	peregrine	<i>Falco peregrinus</i>
Bird	coal tit	<i>Parus ater</i>	Bird	pie'd flycatcher	<i>Ficedula hypoleuca</i>
Bird	common crossbill	<i>Loxia curvirostra</i>	Bird	pie'd wagtail	<i>Motacilla alba</i>
Bird	common gull	<i>Larus canus</i>	Bird	pink-footed goose	<i>Anser brachyrhynchus</i>
Bird	common tern	<i>Sterna hirundo</i>	Bird	pintail	<i>Anas acuta</i>
Bird	cormorant	<i>Phalacrocorax carbo</i>	Bird	pochard	<i>Aythya ferina</i>
Bird	curlew	<i>Numenius arquata</i>	Bird	ptarmigan	<i>Lagopus mutus</i>
Bird	dipper	<i>Cinclus cinclus</i>	Bird	puffin	<i>Fratercula arctica</i>
Bird	dotterel	<i>Charadrius morinellus</i>	Bird	purple sandpiper	<i>Calidris maritima</i>
Bird	dunlin	<i>Calidris alpina</i>	Bird	quail	<i>Coturnix coturnix</i>
Bird	duncock	<i>Prunella modularis</i>	Bird	razorbill	<i>Alca torda</i>
Bird	eider	<i>Somateria mollissima</i>	Bird	red grouse	<i>Lagopus lagopus</i>
Bird	fieldfare	<i>Turdus pilaris</i>	Bird	red-breasted merganser	<i>Mergus serrator</i>
Bird	gadwall	<i>Anas strepera</i>	Bird	red-necked grebe	<i>Podiceps grisegena</i>
Bird	garden warbler	<i>Sylvia borin</i>	Bird	redshank	<i>Tringa totanus</i>
Bird	goldcrest	<i>Regulus regulus</i>	Bird	redstart	<i>Phoenicurus phoenicurus</i>
Bird	golden eagle	<i>Aquila chrysaetos</i>	Bird	red-throated diver	<i>Gavia stellata</i>
Bird	golden plover	<i>Pluvialis apricaria</i>	Bird	redwing	<i>Turdus iliacus</i>
Bird	goldeneye	<i>Bucephala clangula</i>	Bird	ring ouzel	<i>Turdus torquatus</i>
Bird	goldfinch	<i>Carduelis carduelis</i>	Bird	ringed plover	<i>Charadrius hiaticula</i>
Bird	goosander	<i>Mergus merganser</i>	Bird	rock pipit	<i>Anthus petrosus</i>
Bird	goshawk	<i>Accipiter gentilis</i>	Bird	sand martin	<i>Riparia riparia</i>
Bird	grasshopper warbler	<i>Locustella naevia</i>			
Bird	great crested grebe	<i>Podiceps cristatus</i>			

Bird	sanderling	<i>Calidris alba</i>	Butterfly	small pearl bordered fritillary	<i>Boloria selene</i>
Bird	scaup	<i>Aythya marila</i>	Damsel/ Dragonfly	northern damselfly	<i>Coenagrion hastulatum</i>
Bird	sedge warbler	<i>Acrocephalus schoenobaenus</i>	Fly	a crane fly	<i>Arcticoconopa melampodia</i>
Bird	shag	<i>Phalacrocorax aristotelis</i>	Fly	a crane fly	<i>Molophilus pusillus</i>
Bird	shelduck	<i>Tadorna tadorna</i>	Fly	a crane fly	<i>Tipula laetabilis</i>
Bird	short-eared owl	<i>Asio flammeus</i>	Fly	a dance fly	<i>Hilaria medeteriformis</i>
Bird	shoveler	<i>Anas clypeata</i>	Fly	a dance fly	<i>Hilaria submaura</i>
Bird	siskin	<i>Carduelis spinus</i>	Fly	a dung fly	<i>Eroneura argus</i>
Bird	Slavonian grebe	<i>Podiceps auritus</i>	Fly	a fungus gnat	<i>Boletina silvatica</i>
Bird	snipe	<i>Gallinago gallinago</i>	Fly	a hoverfly	<i>Cheilosia sahlbergi</i>
Bird	snow bunting	<i>Plectrophenax nivalis</i>	Fly	a hoverfly	<i>Parasyrphus nigritarsis</i>
Bird	sparrowhawk	<i>Accipiter nisus</i>	Fly	a hoverfly	<i>Sphaerophoria loewi</i>
Bird	stonechat	<i>Saxicola torquata</i>	Fly	a muscid fly	<i>Spilogona alpica</i>
Bird	swallow	<i>Hirundo rustica</i>	Fly	a muscid fly	<i>Thricops separ</i>
Bird	tawny owl	<i>Strix aluco</i>	Millipede	a millipede	<i>Nanogona polydesmoides</i>
Bird	teal	<i>Anas crecca</i>	Mollusc	dog whelk	<i>Nucella lapillus</i>
Bird	tree pipit	<i>Anthus trivialis</i>	Mollusc	horse mussel	<i>Modiolus modiolus</i>
Bird	tree creeper	<i>Certia familiaris</i>	Mollusc	silky snail	<i>Ashfordia granulata</i>
Bird	tufted duck	<i>Aythya fuligula</i>	Mollusc	slender slug	<i>Malacolimax tenellus</i>
Bird	turnstone	<i>Arenaria interpres</i>	Mollusc	small amber snail	<i>Succinea oblonga</i>
Bird	twite	<i>Carduelis flavirostris</i>	Moth	a micro-moth	<i>Ancylis tineana</i>
Bird	velvet scoter	<i>Melanitta fusca</i>	Moth	a micro-moth	<i>Aphelia unitana</i>
Bird	water rail	<i>Rallus aquaticus</i>	Moth	a micro-moth	<i>Apotomis infida</i>
Bird	waxwing	<i>Bombycilla garrulus</i>	Moth	a micro-moth	<i>Callisto coffeella</i>
Bird	wheatear	<i>Oenanthe oenanthe</i>	Moth	a micro-moth	<i>Depressaria silesiaca</i>
Bird	whinchat	<i>Saxicola rubetra</i>	Moth	a micro-moth	<i>Dichomeris juniperella</i>
Bird	whitethroat	<i>Sylvia communis</i>	Moth	a micro-moth	<i>Eana argentana</i>
Bird	whooper swan	<i>Cygnus cygnus</i>	Moth	a micro-moth	<i>Elachista orstadii</i>
Bird	wigeon	<i>Anas penelope</i>	Moth	a micro-moth	<i>Exaeretia ciniflonella</i>
Bird	willow warbler	<i>Phylloscopus trochilus</i>	Moth	a micro-moth	<i>Pancalia schwarzeella</i>
Bird	wood warbler	<i>Phylloscopus sibilatrix</i>	Moth	a micro-moth	<i>Rhigognostis incarnatella</i>
Bird	woodcock	<i>Scolopax rusticola</i>	Moth	a micro-moth	<i>Stigmella dryadella</i>
Bird	yellowhammer	<i>Emberiza citrinella</i>	Moth	a micro-moth	<i>Xystophora pulveratella</i>
Reptile	adder	<i>Vipera berus</i>	Moth	a plume-moth	<i>Pselnophorus heterodactyla</i>
Reptile	common lizard	<i>Lacerta vivipara</i>	Moth	broad-bordered white underwing	<i>Anarta melanopa</i>
Reptile	slow-worm	<i>Anguis fragilis</i>	Moth	broom-tip	<i>Chesias rufata</i>
Amphibian	common frog	<i>Rana temporaria</i>	Moth	grey scalloped bar	<i>Dyscia fagara</i>
Amphibian	common toad	<i>Bufo bufo</i>	Moth	northern arches	<i>Apamea zeta</i>
Amphibian	palmate newt	<i>Triturus helveticus</i>	Moth	Kentish glory	<i>Endromis versicolora</i>
Amphibian	smooth newt	<i>Triturus vulgaris</i>	Moth	Rannoch brindled beauty	<i>Lycia lapponaria</i>
Fish	Arctic charr	<i>Salvelinus alpinus</i>	Moth	Rannoch sprawler	<i>Brachionycha nubeculosa</i>
Fish	Atlantic salmon	<i>Salmo salar</i>	Moth	slender striped rufous	<i>Coenocalpe lapidata</i>
Fish	brook lamprey	<i>Lampetra planeri</i>	Moth	small dark yellow underwing	<i>Anarta cordigera</i>
Fish	common goby	<i>Pomatoschistus microps</i>	Moth	Welsh clearwing	<i>Synanthedon scoliaeformis</i>
Fish	river lamprey	<i>Lampetra fluviatilis</i>	Spider	a money spider	<i>Rhaebothorax paetulus</i>
Fish	sand goby	<i>Pomatoschistus minutus</i>	Spider	a spider	<i>Dictyna major</i>
Fish	sea lamprey	<i>Petromyzon marinus</i>	Spider	a spider	<i>Dipoea torva</i>
Fish	sparling	<i>Osmerus eperlanus</i>	Spider	a spider	<i>Haplodrassus soerenseni</i>
			Spider	a spider	<i>Robertus scoticus</i>
<b>Invertebrates</b>			<b>Vascular Plants</b>		
Beetle	a carrion beetle	<i>Thanatophilus dispar</i>	Vascular plant	alpine catchfly	<i>Lychnis alpina</i>
Beetle	a click beetle	<i>Ampedius tristis</i>	Vascular plant	alpine fleabane	<i>Erigeron borealis</i>
Beetle	a click beetle	<i>Negastrius pulchellus</i>	Vascular plant	alpine forget-me-not	<i>Myosotis alpestris</i>
Beetle	a riffle beetle	<i>Stenelmis canaliculata</i>	Vascular plant	alpine gentian	<i>Gentiana nivalis</i>
Bug	a cixiid bug	<i>Cixius caledonicus</i>	Vascular plant	alpine milk-vetch	<i>Astragalus alpinus</i>
Butterfly	large heath	<i>Coenonympha tullia</i>			
Butterfly	mountain ringlet	<i>Erebia epiphron</i>			
Butterfly	small blue	<i>Cupido minimus</i>			

Vascular plant	alpine pearlwort	<i>Sagina saginoides</i>	Moss	Lawers feather-moss	<i>Brachythecium trachypodium</i>
Vascular plant	alpine sow-thistle	<i>Cicerbita alpina</i>	Moss	Lawers thread-moss	<i>Bryum lawersianum</i>
Vascular plant	alpine woodsia	<i>Woodsia alpina</i>	Moss	lesser squirrel-tail moss	<i>Habrodon perpusillus</i>
Vascular plant	blue heath	<i>Phyllodoce caerulea</i>	Moss	long-leaved tail-moss	<i>Anomodon longifolius</i>
Vascular plant	bog hair grass	<i>Deschampsia setacea</i>	Moss	many-fruited dog-tooth	<i>Cynodontium polycarpon</i>
Vascular plant	bog orchid	<i>Hammarbya paludosa</i>	Moss	Norway screw-moss	<i>Syntrichia norvegica</i>
Vascular plant	bristle sedge	<i>Carex microglochin</i>	Moss	revolute plait-moss	<i>Hypnum revolutum</i>
Vascular plant	brown bog-rush	<i>Schoenus ferrugineus</i>	Moss	river thread-moss	<i>Bryum riparium</i>
Vascular plant	close-headed alpine sedge	<i>Carex norvegica</i>	Moss	robust tufa-moss	<i>Hymenostylium insigne</i>
Vascular plant	Dickie's bladder fern	<i>Cystopteris dickieana</i>	Moss	rugged collar-moss	<i>Splachnum vasculosum</i>
Vascular plant	drooping saxifrage	<i>Saxifraga cernua</i>	Moss	slender tail-moss	<i>Anomodon attenuatus</i>
Vascular plant	eelgrass	<i>Zostera marina</i>	Moss	Starke's feather-moss	<i>Brachythecium starkei</i>
Vascular plant	greater yellow-rattle	<i>Rhinanthus angustifolius</i>	Moss	Stirton's thread-moss	<i>Bryum stirtonii</i>
Vascular plant	heath cudweed	<i>Gnaphalium sylvaticum</i>	Moss	tongue-leaved gland-moss	<i>Tayloria lingulata</i>
Vascular plant	Issleri's clubmoss	<i>Diphasiastrum issleri</i>	Moss	turgid scorpion-moss	<i>Scorpidium turgescens</i>
Vascular plant	ivy-leaved crowfoot	<i>Ranunculus hederaceus</i>	Moss	Vaucher's plait-moss	<i>Hypnum vaucheri</i>
Vascular plant	purple colt's-foot	<i>Homogyne alpina</i>	Moss	Warburg's moss	<i>Molendoa warburgii</i>
Vascular plant	purple oxytropis	<i>Oxytropis halleri</i>	Moss	waved fork-moss	<i>Dicranum bergeri</i>
Vascular plant	Rannoch rush	<i>Scheuchzeria palustris</i>	Moss	rugged stonewort	<i>Chara rudis</i>
Vascular plant	river water-crowfoot	<i>Ranunculus fluitans</i>	Stonewort		
Vascular plant	rock speedwell	<i>Veronica fruticans</i>			
Vascular plant	slender creeping spearwort	<i>Ranunculus reptans</i>			
Vascular plant	snow pearlwort	<i>Sagina nivalis</i>			
Vascular plant	sticky catchfly	<i>Lychnis viscaria</i>			
Vascular plant	whorled Solomon's seal	<i>Polygonatum verticillatum</i>			
Vascular plant	wild hyacinth	<i>Hyacinthoides non-scripta</i>			
Vascular plant	Wilson's filmy-fern	<i>Hymenophyllum wilsonii</i>			
Vascular plant	yellow oxytropis	<i>Oxytropis campestris</i>			
<b>Lower Plants</b>					
Liverwort	British featherwort	<i>Plagiochila britannica</i>	Fungus	a bolete fungus	<i>Boletus citrinovirens</i>
Liverwort	channelled crystalwort	<i>Riccia canaliculata</i>	Fungus	a bolete fungus	<i>Boletus junquilleus</i>
Liverwort	ciliate earwort	<i>Scapania praetervisata</i>	Fungus	a bolete fungus	<i>Leccinum vulpinum</i>
Liverwort	fragile frillwort	<i>Fossombronina fimbriata</i>	Fungus	a bracket fungus	<i>Hapalopilus salmonicolor</i>
Liverwort	Hooker's flapwort	<i>Haplomitrium hookeri</i>	Fungus	a fairy club	<i>Clavaria zollingeri</i>
Liverwort	Pearson's fingerwort	<i>Lepidozia pearsonii</i>	Fungus	a false morel	<i>Gyromitra infula</i>
Liverwort	straw prongwort	<i>Herbertus stramineus</i>	Fungus	a milk cap	<i>Lactarius musteus</i>
Liverwort	Western frostwort	<i>Gymnomitrium crenulatum</i>	Fungus	a milk cap	<i>Lactarius terenopus</i>
Moss	alpine comb-moss	<i>Ctenidium procerrimum</i>	Fungus	a russula fungus	<i>Russula amethystina</i>
Moss	alpine pottia	<i>Tortula leucostoma</i>	Fungus	a russula fungus	<i>Russula aurantiaca</i>
Moss	archangelic thread-moss	<i>Bryum archangelicum</i>	Fungus	a russula fungus	<i>Russula badia</i>
Moss	Baltic bryum	<i>Bryum marrattii</i>	Fungus	a russula fungus	<i>Russula cessans</i>
Moss	bent-stem hook-moss	<i>Callialaria curvicaulis</i>	Fungus	a russula fungus	<i>Russula decolorans</i>
Moss	black mountain grimmia	<i>Schistidium atrofusum</i>	Fungus	a russula fungus	<i>Russula lundellii</i>
Moss	blue dew-moss	<i>Saelania glaucescens</i>	Fungus	a russula fungus	<i>Russula nana</i>
Moss	bog moss	<i>Sphagnum spp</i>	Fungus	a russula fungus	<i>Russula polychroma</i>
Moss	bristle-leaf	<i>Brachydontium trichodes</i>	Fungus	a russula fungus	<i>Russula scotica</i>
Moss	dimorphous tamarisk-moss	<i>Heterocladium dimorphum</i>	Fungus	a russula fungus	<i>Russula vinosa</i>
Moss	dingy grimmia	<i>Grimmia unicolor</i>	Fungus	a russula fungus	<i>Russula violaceoides</i>
Moss	Dixon's thread-moss	<i>Bryum dixonii</i>	Fungus	a rust	<i>Nyssopsora echinata</i>
Moss	dwarf blindia	<i>Blindia caespiticia</i>	Fungus	a rust	<i>Puccinia oxyriae</i>
Moss	dwarf bristle-moss	<i>Orthotrichum pumilum</i>	Fungus	a slime mould	<i>Dianema nivale</i>
Moss	dwarf mouse-tail moss	<i>Myurella tenerrima</i>	Fungus	a slime mould	<i>Diderma lyalli</i>
Moss	flat-rock grimmia	<i>Grimmia ovalis</i>	Fungus	a slime mould	<i>Diderma trevelyanii</i>
Moss	Haller's feather-moss	<i>Campylophyllum halleri</i>	Fungus	a slime mould	<i>Lamproderma carestiae</i>
Moss	Himalayan fringe-moss	<i>Racomitrium himalayenum</i>	Fungus	a slime mould	<i>Lamproderma sauteri</i>
Moss	Knowlton's thread-moss	<i>Bryum knowltonii</i>	Fungus	a slime mould	<i>Lepidoderma carestianum</i>
Moss	large white-moss	<i>Leucobryum glaucum</i>	Fungus	a slime mould	<i>Physarum mucosum</i>
			Fungus	a smut	<i>Urocystis trientalis</i>
			Fungus	an agaric fungus	<i>Amanita nivalis</i>
			Fungus	an agaric fungus	<i>Calocybe onychina</i>
			Fungus	an agaric fungus	<i>Collybia acervata</i>
			Fungus	an agaric fungus	<i>Cortinarius allutus</i>
			Fungus	an agaric fungus	<i>Cortinarius caledoniensis</i>
			Fungus	an agaric fungus	<i>Cortinarius claricolor</i>
			Fungus	an agaric fungus	<i>Cortinarius crassus</i>
			Fungus	an agaric fungus	<i>Cortinarius cyanites</i>

## Tayside Biodiversity Partnership



**BIODIVERSITY**  
THE VARIETY OF LIFE



Fungus	an agaric fungus	<i>Cortinarius decolorans</i>	Lichen	a lichen	<i>Lecanora frustulosa</i>
Fungus	an agaric fungus	<i>Cortinarius fervidus</i>	Lichen	a lichen	<i>Lecidella wulfenii</i>
Fungus	an agaric fungus	<i>Cortinarius laniger</i>	Lichen	a lichen	<i>Leptogium saturninum</i>
Fungus	an agaric fungus	<i>Cortinarius limonius</i>	Lichen	a lichen	<i>Micarea crassipes</i>
Fungus	an agaric fungus	<i>Cortinarius saginus</i>	Lichen	a lichen	<i>Pachyphiale fagicola</i>
Fungus	an agaric fungus	<i>Cortinarius scaurus</i>	Lichen	a lichen	<i>Parmelia acetabulum</i>
Fungus	an agaric fungus	<i>Cortinarius violaceus</i>	Lichen	a lichen	<i>Peltigera venosa</i>
Fungus	an agaric fungus	<i>Entoloma bloxamii</i>	Lichen	a lichen	<i>Pertusaria glomerata</i>
Fungus	an agaric fungus	<i>Fayodia bisphaerigera</i>	Lichen	a lichen	<i>Phaeophyscia endococcinea</i>
Fungus	an agaric fungus	<i>Galerina antheliae</i>	Lichen	a lichen	<i>Polyblastia sendtneri</i>
Fungus	an agaric fungus	<i>Galerina myriadophylla</i>	Lichen	a lichen	<i>Protoparmelia atriseda</i>
Fungus	an agaric fungus	<i>Inocybe jacobi</i>	Lichen	a lichen	<i>Psora globifera</i>
Fungus	an agaric fungus	<i>Mycena purpureofusca</i>	Lichen	a lichen	<i>Schadonia fecunda</i>
Fungus	an agaric fungus	<i>Mycena rosella</i>	Lichen	a lichen	<i>Sclerophora nivea</i>
Fungus	an agaric fungus	<i>Pholiota astragalina</i>	Lichen	a lichen	<i>Strangospora deplanata</i>
Fungus	an agaric fungus	<i>Porpoloma metapodium</i>	Lichen	a lichen	<i>Toninia coelestina</i>
Fungus	an agaric fungus	<i>Psathyrella caput-medusae</i>	Lichen	a lichen	<i>Toninia rosulata</i>
Fungus	an agaric fungus	<i>Psathyrella rannochii</i>	Lichen	<b>Caledonian pannaria</b>	<i>Pannaria ignobilis</i>
Fungus	an agaric fungus	<i>Stagnicola perplexa</i>	Lichen	<b>reindeer lichen</b>	<i>Cladonia sub-genus Cladina</i>
Fungus	an agaric fungus	<i>Tephroclype fuscipes</i>	Lichen	<b>rusty alpine psora</b>	<i>Psora rubiformis</i>
Fungus	an agaric fungus	<i>Tricholoma focale</i>			
Fungus	an agaric fungus	<i>Tricholoma robustum</i>			
Fungus	an agaric fungus	<i>Tricholoma stans</i>			
Fungus	an agaric fungus	<i>Xeromphalia campanella</i>			
Fungus	an agaric fungus	<i>Xeromphalia caulicinalis</i>			
Fungus	an ascomycete fungus	<i>Cudonia circinans</i>			
Fungus	an ascomycete fungus	<i>Flavoscypha cantharella</i>			
Fungus	an ascomycete fungus	<i>Flavoscypha phlebobhora</i>			
Fungus	an ascomycete fungus	<i>Microglossum atropurpureum</i>			
Fungus	an ascomycete fungus	<i>Sarcoleotia turficola</i>			
Fungus	golden russula	<i>Russula aurea</i>			
Fungus	pale chanterelle	<i>Cantharellus pallens</i>			
Fungus	pedicelled puffball	<i>Lycoperdon caudatum</i>			
Lichen	a lichen	<i>Acrocordia cavata</i>			
Lichen	a lichen	<i>Amelia andreaeicola</i>			
Lichen	a lichen	<i>Amelia grisea</i>			
Lichen	a lichen	<i>Anaptychia ciliaris</i> subsp. <i>ciliaris</i>			
Lichen	a lichen	<i>Bacidia subincompta</i>			
Lichen	a lichen	<i>Biatorella hemisphaerica</i>			
Lichen	a lichen	<i>Biatoridium monasteriense</i>			
Lichen	a lichen	<i>Bryonora curvescens</i>			
Lichen	a lichen	<i>Buellia insignis</i>			
Lichen	a lichen	<i>Caloplaca cinnamomea</i>			
Lichen	a lichen	<i>Catapyrenium daedaleum</i>			
Lichen	a lichen	<i>Catillaria gilbertii</i>			
Lichen	a lichen	<i>Chaenotheca gracilenta</i>			
Lichen	a lichen	<i>Chaenotheca xyloxena</i>			
Lichen	a lichen	<i>Cladonia mitis</i>			
Lichen	a lichen	<i>Cladonia uncialis</i> ssp. <i>uncialis</i>			
Lichen	a lichen	<i>Collema ceranicum</i>			
Lichen	a lichen	<i>Collema parvum</i>			
Lichen	a lichen	<i>Halecania alpivaga</i>			
Lichen	a lichen	<i>Halecania bryophila</i>			
Lichen	a lichen	<i>Halecania micacea</i>			
Lichen	a lichen	<i>Japewia tornoensis</i>			
Lichen	a lichen	<i>Lecanora atromarginata</i>			
Lichen	a lichen	<i>Lecanora epibryon</i>			

Species that have not been recorded in Tayside for at least thirty years have in most cases been omitted from this list. For the majority of these it is unclear whether they still persist and little is known about them. Vagrant species and rare passage migrants have also been excluded.

List prepared by Perth Museum Biological Records Centre.

Based on Leaper, G. (1999) "Biodiversity of Tayside - A Preliminary Assessment of Priority Habitats" and species and data supplied by SNH Natural Heritage Data Unit.



## APPENDIX 6 - WHO'S WHO IN TAYSIDE BIODIVERSITY

### Chairman

Until April 2000	John Milne, Director of Environment Services, Perth and Kinross Council
April 2000 – Sept. 2002	Alex Anderson, Director of Planning and Transport, Angus Council
From September 2002	Merrill Smith, Leisure & Arts Development Manager, Dundee City Council

### CURRENT STEERING GROUP

Pam Coutts	AC
Stewart Roberts	AC
Alison Anderson	DCC
Lesley Hutchison	DCC
Lindsay Bissett	FC
Carol Littlewood	FWAG (Angus)
Richard Lockett	FWAG (Perth)
Brian Henderson	NFUS
Karl Munday	NTS
Bruce Reekie	PKC
Mark Simmons	PKC
Bruce Anderson	RSPB
Christine Hall	SAC
Alan Hendry	SEERAD
Jo Long	SEPA
Judith Oates	Scottish Field Studies Association
Gordon Jubb	SLF
Liz Garson	SNH
David Mitchell	SNH
Uwe Stoneman	SWT

Past members have included

<i>Richard Brinklow</i>	<i>DCC</i>
<i>Campbell Ferguson</i>	<i>FWAG (Angus)</i>
<i>Sophie Milner</i>	<i>FWAG (Angus)</i>
<i>Syd House</i>	<i>Forestry Commission</i>
<i>James McDougall</i>	<i>Forestry Commission</i>
<i>Ben Notley</i>	<i>NTS</i>
<i>Steve Townsend</i>	<i>NTS</i>
<i>Grace MacDonald</i>	<i>PKC</i>
<i>Hamish MacDonald</i>	<i>SEERAD</i>
<i>Brian Clelland</i>	<i>SEPA</i>
<i>Robin Guthrie</i>	<i>SEPA</i>
<i>Rachel Hellings</i>	<i>SNH</i>
<i>Rick Goater</i>	<i>SWT</i>
<i>Brenda Roddy</i>	<i>SWT</i>
<i>Tony Weir</i>	<i>SWT</i>
<i>Debbie Cowen</i>	<i>Tayside Native Woodlands</i>

Tayside Biodiversity Co-ordinator – Catherine Lloyd

### HABITAT SUB-GROUPS (past members in italics)

#### Coasts and Estuaries Sub-Group

Sub-Group Leader	Liz Garson, SNH
Neil Morrison	AC
Alistair McGugan	BASC
David Ferguson	DCC
Major Colin Markie	MoD
Karl Munday	NTS
Graham Esson	PKC
Alistair Godfrey	PKC
Jo Long	SEPA
Gordon Jubb	SLF
Shona Hill	SNH
Catherine Lloyd	TBP
Katriona Finnan	Tay Estuary Forum
Graham Craig	Tay Reed Company
<i>Sam Long</i>	<i>Aggregate Industries</i>
<i>Andrew Wood</i>	<i>Bidwells (Crown Estates Commission)</i>
<i>Sandy Lonie</i>	<i>NoSWA</i>
<i>Darren Hemsley</i>	<i>SNH</i>
<i>Rick Goater</i>	<i>SWT</i>
<i>Becky Taylor</i>	<i>Tay Estuary Forum</i>

#### Farmland Sub-Group

Sub-Group Co-Leaders	Christine Hall, SAC
	Richard Lockett, Perth FWAG
Mr and Mrs Baird	Farmers
Carol Littlewood	FWAG (Angus)
Brian Henderson	NFUS
Karl Munday	NTS
Bruce Anderson	RSPB
Jack Fleming	RSPB
Jennifer Kinnaird	SEERAD
Gordon Jubb	SLF
David Souter	Strathmore Farming Company
Catriona Burns	SNH
Catherine Lloyd	TBP
<i>Mr D Green</i>	<i>Angus Council</i>
<i>Campbell Ferguson</i>	<i>FWAG (Angus)</i>
<i>Sophie Milner</i>	<i>FWAG (Angus)</i>
<i>Liz Pawley</i>	<i>SNH</i>

#### Upland Sub-Group

Sub-Group Leader	Bruce Anderson, RSPB
	(until June 2002)
Ken Slater	Angus Ranger Service
Alistair McGugan	BASC
Peter Cosgrove	Cairngorms Biodiversity Partnership
Ian Hope	Deer Commission for Scotland
Innes Smith	Farmer
Ian Duncan-Millar	NFUS
David Mardon	NTS
Andy Paterson	SEERAD
	Scottish Gamekeepers' Association
Gordon Jubb	SLF
Catherine Lloyd	TBP
Wendy Mattingly	Tayside Raptors Group
John Phillips	The Heather Trust
<i>Campbell Ferguson</i>	<i>FWAG (Angus)</i>
<i>Richard Lockett</i>	<i>FWAG (Perth)</i>
<i>Hamish MacDonald</i>	<i>SEERAD</i>
<i>Liz Pawley</i>	<i>SNH</i>
<i>Rick Goater</i>	<i>SWT</i>
<i>Karen Blake</i>	<i>Tayside Black Grouse Project</i>

#### Urban Sub-Group

Sub-Group Leader	Alison Anderson, DCC
Craig Borland	AC
Pam Coutts	AC
Tom McGrath	AC
Richard Burton	Angus College
Ann Lolley	BFEP
Kate Farrar	DCC
Bruce Reekie	PKC
Mark Simmons	PKC
David Mitchell	SNH
Catherine Lloyd	TBP
<i>Richard Brinklow</i>	<i>DCC</i>
<i>John Whyman</i>	<i>DCC</i>
<i>Rick Goater</i>	<i>SWT</i>

Tayside Biodiversity Partnership

### Water and Wetland Sub-Group

<b>Sub-Group Leader</b>	Jo Long, SEPA
John Whyman	DCC
Ross Gardiner	Fisheries Research Services
Christine Hall	SAC
Peter McPhail	SNH
Iona McDonald	SNH
Alastair Stephen	Scottish and Southern Energy
Susan Manson	Scottish Water
Uwe Stoneman	SWT
Catherine Lloyd	TBP
David Summers	Tay District Salmon Fisheries Board
<i>Ronald Daalman</i>	<i>North of Scotland Water</i>
<i>Robin Guthrie</i>	<i>SEPA</i>
<i>Alan Barclay</i>	<i>SWT</i>

### Woodland Sub-Group

<b>Sub-Group Leader</b>	Lindsay Bisset, Forestry Commission
Andrew Barbour	Atholl Estates
Eric Hamilton	DCC
Harold Jackson	Farmer
June Braithwaite	Farmer
Chris Ford	FE
Brian Service	SEERAD
John Burrow	SNH
Catherine Lloyd	TBP
<i>James McDougall</i>	<i>FC</i>
<i>Sophie Milner</i>	<i>FWAG (Angus)</i>
<i>Richard Lockett</i>	<i>FWAG (Perth)</i>
<i>Mairi Stewart</i>	<i>Highland Perthshire Native Woods</i>
<i>Stewart Pritchard</i>	<i>SNH</i>
<i>Karen Blake</i>	<i>Tayside Black Grouse Project</i>
<i>Emma-Jane Clarke</i>	<i>Tayside Native Woodlands</i>
<i>Debbie Cowen</i>	<i>Tayside Native Woodlands</i>

### Species Sub-Group

Craig Borland	Angus Bat Group
Alan Ross	Angus Squirrel Group
Hugh Rose	British Deer Society
George Ballantyne	BSBI
Dr Rosalind Smith	BSBI
Norman Elkins	BTO
Chris Stamp	Butterfly Conservation
Clare Darlestone	Concern for Swifts (Scotland)
Richard Brinklow	DCC
Chris Ford	FE
Richard Odey	Fife & Kinross Badger Network
Peter Collen	Fisheries Research Services
Frank Bowles	Froglife
Ian McCall	Game Conservancy Trust
David Mardon	NTS
Brian Boag	Perth Bat Group
Ron Youngman	Perth & Kinross Bird Recorder
Polly Freeman	Perth and Kinross Squirrel Group
Alistair Godfrey	PKC
Mark Simmons	PKC
Bruce Anderson	RSPB
Neale Taylor	SNH
Ian Hutchison	Tayside Badger Group
Catherine Lloyd	TBP
Wendy Mattingley	Tayside Raptor Study Group
Steve Moyes	Tay Ringing Group
Dr Brian Ballinger	
David Bell	
Dr Mike V Bell	
Dr Barry Colville	
Jim Cook	
Dr Kery Dalby	
Paul Kirkland	
Harriet Lindsay	
Karl Munday	
Martin Robinson	
Innes Smith	

### Education and Awareness-Raising Sub-Group

This group will soon re-convene. Past members include:

<i>Pam Coutts</i>	<i>AC</i>
<i>Richard Burton</i>	<i>Angus College</i>
<i>Karen Delaney</i>	<i>PKC</i>
<i>Sue Warbrick</i>	<i>SNH</i>
<i>David Mitchell</i>	<i>SNH</i>
<i>Hilary Parkes</i>	<i>SWT</i>
<i>Catherine Lloyd</i>	<i>TBP</i>

### Barn Owl Interest Group

Carol Littlewood	FWAG (Angus)
Richard Lockett	FWAG (Perth)
Karl Munday	NTS
Christine Hall	SAC
Catherine Lloyd	TBP
<i>Campbell Ferguson</i>	<i>Angus FWAG</i>

### Hirundine Interest Group (Swifts, Swallows and Martins)

Pam Coutts	AC
Ann Lolley	BFEP
Clare Darlestone	Concern for Swifts (Scotland)
Alison Anderson	DCC
Kate Farrar	DCC
Karl Munday	NTS
Mark Simmons	PKC
Andy Wight	RSPB
David Mitchell	SNH
Catherine Lloyd	TBP
Charlie Macpherson	Scone Resident

Membership of the Habitat Sub-Groups, Education Sub-Group, Species and Species Interest Groups is open to anyone with a wish to contribute towards the work of the appropriate group. If you would like further information about any of the groups, or would like to suggest the setting up of a new one, please contact the Biodiversity Co-ordinator.

# Tayside Biodiversity - Registration of Interest

## Every Action Counts!

Please let us know your interests in biodiversity by completing and returning this form to the Biodiversity Co-ordinator.

You may be contributing towards some of the targets already listed in the current Action Plans just by carrying out local environmental work or by your particular interests in specific habitats or species. We need to hear from you as every Action counts!

Additional Habitat Action Plans and a series of Species Action Plans will also be prepared in due course. If you would like to find out more about new Action Plans - or to receive copies of the consultative drafts when they become available - let us know. We would welcome your input whether you are a specialist, a member of a local environmental group or someone in the local community.

Name .....

Organisation, School, or Environmental Group (if applicable)

.....

Address .....

..... Post Code .....

Tel. No. .... E-mail .....

My/our specific interests are .....

.....

.....

I am/ we are helping with carrying out improvements to the natural environment at:

.....

Please keep me/us informed of the Second Tranche Habitat and Species Action Plans.

I/we may be already contributing towards an Action listed in the First Tranche - please contact me/us.

My/ our organisation/group may be able to offer a public event for a future Scottish Biodiversity Week: please contact me/us at the appropriate time.

Please keep me/ us informed generally of the biodiversity process within Tayside.

*Any information supplied will be used only within the Tayside Biodiversity Partnership. Your name and address details may be stored on computer but they will not be passed to anyone else without permission. If you do not wish your details to be kept on a database, please tick here*

Tayside Biodiversity Partnership





*Fold here and seal with sellotape before posting*

AFFIX  
POSTAGE  
STAMP

Tayside Biodiversity Co-ordinator  
The Tayside Biodiversity Partnership  
c/o Environment Services  
Perth and Kinross Council  
Pullar House  
35 Kinnoull Street  
Perth  
PH1 5GD

Tayside Biodiversity Partnership

