

Strategic Environmental Assessment Scoping Report

Review of the
Ayrshire Local Biodiversity Action Plan

**Ayrshire Local Biodiversity Action Plan
Steering Group
January 2007**

1. Introduction

- 1.1 The following report provides the scope and level of detail that will be given within an Environmental Report in relation to the proposed review of the Ayrshire Local Biodiversity Action Plan (ALBAP). The boundary of the Ayrshire LBAP covers North, South and East Ayrshire Council areas including the Isle of Arran.

2. Strategic Environmental Assessment

- 2.1 In February 2006 the Environment Assessment (Scotland) Act 2005 came into force, and transposes European Directive, 2001/42/EC (The Assessment of the Effects of Certain Plans and Programmes on the Environment), into Scots law.
- 2.2 The Act requires that certain policy, plans & strategies (P.P.S.) require to complete an assessment of the environmental effects of the implementation of the PPS.
- 2.3 The Ayrshire Local Biodiversity Action Steering Group has deemed that an environmental assessment is required in relation to the Ayrshire Local Biodiversity Plan Review and that under Section 8(1), as it is “likely to have significant environmental effect”, is exempt from screening.
- 2.4 To fulfil the requirements of Section 15(1) the Ayrshire Local Biodiversity Steering Group (Responsible Authority) must submit to the consultation authorities “such sufficient details of the qualifying plan or programme as will enable the Consultation Authority (Scottish Natural Heritage, Scottish Environment Protection Agency & Historic Scotland) to form a view on those matters”. The Scoping Report provides the consultation authorities with an overview of the extent and level of detail which the Environmental Report will contain and specifies the intended period of consultation.

3. Context

- 3.1 In recognition of the need to protect and conserve the earth’s biodiversity the United Kingdom Government, in 1992, signed the Convention on Biological Diversity at the Earth Summit in Rio de Janeiro, Brazil. Subsequently in 1994 the UK Action Plan for Biodiversity was published and local areas were encouraged to produce Local Biodiversity Action Plans, which related to the habitats and species in that local. By 1997 the Scottish Biodiversity Group had published “Biodiversity in Scotland: the way forward” and in 2000 the Scottish Executive had published “Action for Scotland’s Biodiversity”.
- 3.2 The Ayrshire Local Biodiversity Action Plan (ALBAP) was launched in January 2002 and detailed action plans for 7 local habitat and 11 species. A wide range of partners contributed to the development of this plan, with all three local authorities, East, South and North Ayrshire Council signing up to endorse the plan and the actions contained therein. Since the publication of the ALBAP a further review of priority species and habitats has taken place at a UK level.
- 3.3 Since the ALBAP, was written the context of biodiversity conservation in Scotland has changed, with the publication of the Scottish Biodiversity Strategy and the Nature Conservation (Scotland) Act in 2004. The Scottish Biodiversity Strategy sets out the framework for biodiversity conservation over the next 25 years, while the Act places a duty on all local authorities and public bodies to further the conservation of biodiversity in carrying out their functions. The ALBAP Review should be seen as a key document for guiding future actions and contributing towards the fulfilment of this duty within Ayrshire for the next five years.

- 3.4 In April 2006 a study by Biological Solutions was undertaken which highlighted the need to review of the ALBAP it identified:- Lack of prioritisation; over ambitious targets with little distinction between local and Scottish targets; lack of SMART (specific, measurable, achievable, relevant, time-based targets). Experience has also been gained in writing and progressing Action Plans, which will be beneficial in producing targeted deliverable plans.
- 3.5 The first stage of the ALBAP Review is to provide a framework for the document, which would include: -
- a) Identification of generic actions
 - b) Prioritisation of the habitats and species for Ayrshire
 - c) Provide a list of partner organisations who would be able to carry out actions and identify, in consultation with them, the role/commitment they are able to make
 - d) Identify a structure for the revised plan
 - e) Provide a draft implementation plan, which identifies a clear reporting procedure, including the use of BARS
- 3.6 There will be three key outputs from this project:
- a) A full project report covering work completed, findings and recommendations will be produced.
 - b) A draft review LBAP implementation plan will include outline plans for selected priority habitat and species and any relevant generic action plans.
 - c) All data collected on habitats and species will be presented in a database in either an Access or Excel format.
- 3.7 If the ALBAP review were **not** to be produced it would result in an unfocused and ill-defined approach to biodiversity at a strategic level and an inefficient use of resources by the various organisations involved in conserving, protecting and enhancing biodiversity within Ayrshire.
- 3.8 The problems that affect biodiversity within Ayrshire are, in the main, the same problems that affect Scotland's biodiversity. There are such challenges as climate change, pollution, transport, energy, loss of habitat from development, SSSI's and other protected sites in unfavourable conditions and invasive species. Some of these issues require to be tackled at an international and or national level while others can be considered at a local level. It is anticipated that the Environmental Report will consider the these issues and how they tackled while at the same time delivering the aims and objectives of the ALBAP Review.

4. Other Plans & Programmes

- 4.1 In relation to section 1 of Schedule 3 of the Environment Assessment (Scotland) Act 2005 a list of associated policy, plans & strategies (PPS) has been generated (see Appendix A). These PPS's may either effect or be affected by the ALBAP Review and as such will be considered more fully within the environmental report to explore the extent of influence, impact and or relationship to the ALBAP.

5. Baseline Environment

- 5.1 Ayrshire is comprised of the three unitary authorities of East, North and South Ayrshire and includes a number of islands e.g. islands of Arran, Greater Cumbrae, Little Cumbrae and Ailsa Craig. For the purpose of the ALBAP review Ayrshire refers to the area on the mainland and the islands, which are under the jurisdiction of the three authorities.

- 5.2 Ayrshire, with the exception of Arran, lies to the south of the Highland Boundary fault. Its character is a result of lying within the rift valley (Midland Valley) bounded by the Highland Boundary Fault to the north and the Southern Upland Fault to the south. It covers the entire western seaboard of the midland valley and extends beyond the Southern Upland Fault to include parts of the Southern Uplands. While Most of Ayrshire is lowland in character it does have areas of strong relief that give dramatic contrasts these include the remains of volcanic plugs such as Loudoun Hill and Ailsa Craig. Even more dramatic are the rugged peaks of Arran and the Loch Doon Mountains. While the islands, which range from small islands such as Little Cumbrae, Holy Island and Ailsa Craig to the larger islands such as Greater Cumbrae and Arran, comprise of important landscapes and habitats in their own right.
- 5.3 Ayrshire's natural heritage resource is made up of a range of habitats, containing many species of plants and animals. Some of these are protected through European and United Kingdom legislation and by a variety of non-statutory designations. In many cases protection of specific species is achieved through protection of habitats. Nationally, protection is given to sites through designation as a National Nature Reserve (NNR) or as a Site of Special Scientific Interest (SSSI) and there is a requirement through legislation to protect such sites from adverse development. In addition, the European Union also offers protection to sites through Special Protection Areas (SPA) under the Birds Directive and Special Areas of Conservation (SAC) under the Habitats Directive. These sites are collectively known as Natura 2000 sites. Appendix B details all protected sites within Ayrshire.
- 5.4 The establishment of a detailed baseline of the current state of the environment in Ayrshire is an essential component to enable more accurate forecasting and identifying potential monitoring indicators to ensure that the review is delivering the intended aims and objectives. The collation of baseline data will be as up to date as possible and only refer to those environmental issues that have a direct bearing on the ALBAP review. During this process it is expected that data gaps and other limitations will be identified and these will be detailed in the environmental report. Appendix C lists baseline information, though it should be noted that this list is not exhaustive and may be expanded upon within the environmental report.

6. Scoping & SEA Objectives

- 6.1 In relation to Schedule 3 para. 6 of the Act the following will be scoped in and further assessed for their potential to have significant effects within the environmental report: -
- Biodiversity
 - Fauna
 - Flora
 - Soil
 - Water
 - Landscape
 - Cultural heritage incl. architectural & archaeological heritage
- 6.2 In addition the following environmental issues, while not having a significant direct environmental effect, were identified as having the potential to have a synergistic and or cumulative relationship with those detailed in 6.1.
- Air
 - Climatic Factors
 - Human Health

- 6.3 It has been viewed that Population & Material Assets would be scoped out of the Environmental Report for the following reason(s);

Population - it was recognised that whilst population growth can affect biodiversity, for example increasing development pressure, which could exacerbate habitat loss, it is unlikely that revisions to the ALBAP will have an affect on population.

Material Assets - it was judged that again, in relation to the area of study, that material assets within Ayrshire were to be affected by the development of the ALBAP Review.

- 6.4 The potential environmental effects of the ALBAP Review on these SEA topics as detailed in 6.1 and 6.2, will be evaluated, assessed and reviewed as stipulated within Schedule 3 para 6 (a) (xiii), (b), (c), (d) and (e).

7. Alternative & Mitigation

- 7.1 While the production and implementation of the ALBAP Review is seen as being a positive environmental development and, that it is unlikely to cause a negative environmental impact within Ayrshire, to comply with the Environmental Assessment (Scotland) Act 2005 the subject of alternatives and mitigation must be considered. As such, to ensure that the ALBAP Review has been developed to deliver its aims and objectives in the soundest environmental manner the consideration of “reasonable alternatives” will be undertaken when developing the Review.
- 7.2 The alternatives will, as indicated within the SEA Directive, take into account the objectives and geographical area of the Review. There is potential for alternatives to be developed and assessed at a strategic level as well as at a more detailed action level. Within the Environmental Report will be the reason(s) why a specific alternative was or was not chosen.
- 7.3 As mentioned in 7.1 it is unlikely that this Review will result in a negative impact on the Ayrshire environment, so the need for mitigation is minimal. Where a proposed measure in the LBAP may have a negative affect on another aspect of the environment, an alternative measure may be substituted or a mitigating clause incorporated. Areas of study in terms of mitigation will include consideration and assessment of all alternatives; the technical and practical aspects of implementation and the potential influence on other PPS.
- 7.4 The revision of the LBAP means that there is the potential for biodiversity enhancement– that is to increase the positive aspects of this document beyond that which was originally identified

8. Approach to Assessment

- 8.1 In order to facilitate the assessment of the environmental issues the following are proposed as draft SEA objectives and indicators. These objectives and indicators allow for any effect on the environment to be identified, evaluated and assessed and will be reviewed as stipulated within Schedule 3 para 6 (a) (xiii), (b), (c), (d) and (e).

SEA Topic	Draft SEA Objective	Criteria	Draft Indicators
Biodiversity; Flora; Fauna	To conserve, protect & enhance biodiversity, flora & fauna at all levels and accord to the protection of statutory nature conservation sites.	<ul style="list-style-type: none"> ○ To what extent does the plan have significant implications for the conservation and or enhancement of biodiversity, flora & fauna 	<ul style="list-style-type: none"> • No. of action plans in ALBAP • No. of protected sites e.g. SPA, SSSI within Ayrshire • Condition of protected sites • Changes in No. of BAP Species within Ayrshire • Alteration of habitat areas within Ayrshire • No. / Area Country Parks, urban parks & open spaces of biodiversity, flora and or fauna importance
Soil	To safeguard the quality & quantity of the soil resource	<ul style="list-style-type: none"> ○ To what extent does the plan safeguard soil reserves 	<ul style="list-style-type: none"> • No. & condition of protected sites e.g. SPA, SSSI • No. of habitat action plans
Water	To conserve, protect & enhance the water courses	<ul style="list-style-type: none"> ○ To what extent does the plan encourage the conservation protection & enhancement of the existing water resource? 	<ul style="list-style-type: none"> • Quality of freshwater incl. rivers • Quality of sea water • No of protected sites with water courses • Nitrate levels in water courses • Compliance with EC bathing water directive • Net change in marine & freshwater protected species.
Landscape	To safeguard and where possible enhance the character, diversity and unique qualities of the landscape	<ul style="list-style-type: none"> ○ To what extent does the plan encourage the safeguard & enhancement of the landscape 	<ul style="list-style-type: none"> • No. of protected sites e.g. SPA, SSSI within Ayrshire • No. Area of sites designated for their international, national or local landscape importance • No. / Area of Country Parks within Ayrshire • No. / Area of urban parks & open spaces of landscape importance • No. of habitat action plans within ALBAP Review • Area & type of woodland
Cultural heritage incl. architectural & archaeological heritage	To safeguard historic, archaeological sites and conservation areas	<ul style="list-style-type: none"> ○ To what extent does the plan safeguard historic, archaeological sites and conservation areas 	<ul style="list-style-type: none"> • No. of protected sites that incl. architectural & archaeological sites • No. / Area of historic gardens and designed landscapes within Ayrshire

Air	To improve air quality	○ To what extent does the plan either directly or indirectly protect and or enhance air quality	<ul style="list-style-type: none"> • Concentration levels of Carbon dioxide and or Nitrogen dioxide and or Sulphur Dioxide
Climate Factors	To reduce CO2 within the atmosphere and the associated impacts of climate change	○ To what extent does the plan either directly or indirectly result in the reduction of CO2	<ul style="list-style-type: none"> • Concentration levels of Carbon dioxide • Area & type of woodland: noting new plantations and or loss of woodland • Area & Condition of bog
Human Health	To contribute to the development of a healthy population.	○ Is the plan likely to contribute to the improvement of human health?	<ul style="list-style-type: none"> • No. Area of sites designated for their international, national or local landscape importance • No. / Area of Country Parks within Ayrshire • No. / Area of urban parks & open spaces of landscape importance • Area & type of woodland • No. & or length of walks within the above

8.2 The Environmental Report will assess the ALBAP Review in relation to its potential to cause significant effect on the environment as required by section 14(2) & Schedule 3 of the Environmental Assessment (Scotland) Act 2005. The two main strands of assessment will comprise prediction and evaluation as stated in chapter nine of the Strategic Environmental Assessment Toolkit Version 1(Scot. Ex. 2006)

8.3 The proposed method of assessment, at this time, is to utilise the proformas as detailed in chapter nine of the Strategic Environmental Assessment Toolkit Version 1 produced by the Scottish Executive in 2006. Particular use will be made of matrix formats with which to illustrate assessment (s), see appendix D for example matrix formats.

9. Consultation

9.1 Article 6(2) of the Directive states that the public “Shall be given an early and effective opportunity within appropriate time frame to express their opinion on the draft plan...and the accompanying Environmental Report before the adoption of the plan”. The ALBAP Steering Group fully endorse this statement and as such an extensive programme of consultation is proposed.

9.2 The consultation will comprise of two parts, the first will be the submission of this Scoping Report to the Consultation Authorities; Scottish Natural Heritage, Scottish Environment Protection Agency & Historic Scotland. The second phase will be far more extensive and will

combine the Environmental Report and the draft ALBAP on which the Environmental Report was based being made available to all stakeholders inviting them to make observation.

- 9.3 It is anticipated that the draft ALBAP will be produced by the end of February at which time the Environmental Report will be developed. A period of 4-6 weeks, which is felt to be an appropriate timescale for this type of PPS, will be set aside to allow all those who may have an interest in this PPS to express their view and make comment in relation to the Environmental Report; all comments will be taken into account when producing the final ALBAP.

List of Other Plans & Programmes

International Level
United Nations Framework Directive on Climate Change 1992 (1994)
Kyoto Protocol 1997
Ramsar Convention – Convention of Wetlands of International Importance especially as Waterfowl Habitat 1971 (1975)
Bern Convention – Convention on the Conservation on European Wildlife & Natural Habitats 1979 (1982)
Birds Directive (79/409/ EEC Convention of Wild Birds) 1979
Habitats Directive (92/43/EEC Conservation of Natural Habitats and of Wild Flora and Fauna)
Bonn Convention – Convention on the Conservation of Migratory Species of Wild Animals 1979 (1985)
Convention on Biological Diversity 1992
Pan- European Biological & Landscape Diversity Strategy 1994
European Community Biodiversity Strategy 1998
European Biodiversity Action Plans 2001
European Union 6th Environment Action Programme 2002
Water Framework Directive 2000 (2000/60/EC A Framework for the Community Action in the field of Water Policy)
National Level
Wildlife & Countryside Act (1981 and as amended) [see Ramsar Bern & Bonn Convention] *
Natural Heritage (Scotland) Act 1991 *
The Conservation (Natural Habitats, &c.) Regulations 1994 *
Salmon Conservation (Scotland) Act 2001 *
Protection of Wild Mammals (Scotland) Act 2002 *
Water Environment & Water Services (Scotland) Act 2003 *
Land Reform (Scotland) Act 2003 *
Nature Conservation (Scotland) Act 2004 *
UK Biodiversity Action Plan 1994
Biodiversity in Scotland: the way forward 1997
Action for Scotland's Biodiversity 2000
Scottish Biodiversity Strategy – It's in your hands 2004
Meeting the Needs...Priorities, Actions and Targets for Sustainable Development in Scotland 2002
Scottish Climate Change Programme
Scotland's National Transport Strategy 2006
Appropriate Local Transport Strategies
The Scottish Sustainable Development Strategy – Choosing Our Future
National Planning Framework for Scotland
SPP 1 The Planning System
SPP 3 Planning for Housing
SPP 7 Planning for Flooding
SPP 17 Planning for Transport
SPP 21 Greenbelts
NPPG 6 Renewable Energy Developments

NPPG 10 Planning Waste Management
NPPG 13 Coastal Planning
NPPG 14 Natural Heritage
SNH Policy – Environmental Justice & the Natural Heritage
SNH Policy – National Scenic Areas
Regional & Local
Ayrshire Joint Structure Plan
Finalised Local Plan South Ayrshire
North Ayrshire Local Plan
East Ayrshire Local Plan
Relevant Authorities Community Plan
South Ayrshire Council's Wildlife Strategy
Ayrshire Dumfries & Galloway Area Waste Plan
Relevant authorities Sustainable Development Strategy
Relevant authorities Access Strategy

List of protected sites within Ayrshire

Special Protection Areas (SPA) & Special Areas of Conservation

Site name	Designation	Status	Local Authority
<u>Airds Moss</u>	SAC	Current	EAST AYRSHIRE
<u>Bankhead Moss, Beith</u>	SAC	Current	NORTH AYRSHIRE
<u>Cockinhead Moss</u>	SAC	Current	NORTH AYRSHIRE
<u>Dykeneuk Moss</u>	SAC	Current	NORTH AYRSHIRE
<u>Lendalfoot Hills Complex</u>	SAC	Current	SOUTH AYRSHIRE
<u>Ailsa Craig</u>	SPA	Current	SOUTH AYRSHIRE
<u>Arran Moors</u>	SPA	Current	NORTH AYRSHIRE
<u>Muirkirk And North Lowther Uplands</u>	SPA	Current	EAST AYRSHIRE/SOUTH LAN.;D & G

Sites of Special Scientific Interest

Site name	Designation	Status	Type	Local Authority
<u>Afton Lodge</u>	SSSI	Current	G	SOUTH AYRSHIRE
<u>Ailsa Craig</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Aldons Hill</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Ard Bheinn</u>	SSSI	Current	G	NORTH AYRSHIRE
<u>Ardrossan To Saltcoats Coast</u>	SSSI	Current	G	NORTH AYRSHIRE
<u>Arran Moors</u>	SSSI	Current	B	NORTH AYRSHIRE
<u>Arran Northern Mountains</u>	SSSI	Current	M	NORTH AYRSHIRE
<u>Ashgrove Loch</u>	SSSI	Current	B	NORTH AYRSHIRE
<u>Auchalton</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Ballantrae Shingle Beach</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Ballochmartin Bay</u>	SSSI	Current	B	NORTH AYRSHIRE
<u>Bankhead Moss, Beith</u>	SSSI	Current	B	NORTH AYRSHIRE
<u>Barlosh Moss</u>	SSSI	Current	B	EAST AYRSHIRE
<u>Benbeoch</u>	SSSI	Current	G	EAST AYRSHIRE
<u>Benlister Glen</u>	SSSI	Current	B	NORTH AYRSHIRE
<u>Bennane Head Grasslands</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Blair Farm</u>	SSSI	Current	G	SOUTH AYRSHIRE
<u>Blood Moss And Slot Burn</u>	SSSI	Current	M	EAST AYRSHIRE
<u>Bogside Flats</u>	SSSI	Current	B	NORTH AYRSHIRE
<u>Bogton Loch</u>	SSSI	Current	B	EAST AYRSHIRE
<u>Byne Hill</u>	SSSI	Current	G	SOUTH AYRSHIRE
<u>Clauchlands Point - Corrygills</u>	SSSI	Current	M	NORTH AYRSHIRE
<u>Cockinhead Moss</u>	SSSI	Current	B	NORTH AYRSHIRE
<u>Corrie Foreshore And Limestone Mines</u>	SSSI	Current	G	NORTH AYRSHIRE
<u>Craig Wood</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Craighead Quarry</u>	SSSI	Current	M	SOUTH AYRSHIRE
<u>Dalmellington Moss</u>	SSSI	Current	B	EAST AYRSHIRE
<u>Dippin Head</u>	SSSI	Current	G	NORTH AYRSHIRE
<u>Drumadoon - Tormore</u>	SSSI	Current	G	NORTH AYRSHIRE
<u>Dunaskin Glen</u>	SSSI	Current	G	EAST AYRSHIRE

<u>Dundonald Burn</u>	SSSI	Current	G	NORTH AYRSHIRE
<u>Dundonald Wood</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Dunrod Hill</u>	SSSI	Current	G	NORTH AYRSHIRE
<u>Dykeneuk Moss</u>	SSSI	Current	B	NORTH AYRSHIRE
<u>Fountainhead</u>	SSSI	Current	G	EAST AYRSHIRE
<u>Garpel Water</u>	SSSI	Current	G	EAST AYRSHIRE
<u>Girvan To Ballantrae Coast Section</u>	SSSI	Current	G	SOUTH AYRSHIRE
<u>Gleann Dubh</u>	SSSI	Current	B	NORTH AYRSHIRE
<u>Greenock Mains</u>	SSSI	Current	G	EAST AYRSHIRE
<u>High Smithstone Quarry</u>	SSSI	Current	G	NORTH AYRSHIRE
<u>Howford Bridge</u>	SSSI	Current	G	EAST AYRSHIRE
<u>Kames Bay</u>	SSSI	Current	B	NORTH AYRSHIRE
<u>Knockdaw Hill</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Knockdolian Hill</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Knockgardner</u>	SSSI	Current	G	SOUTH AYRSHIRE
<u>Knockormal</u>	SSSI	Current	G	SOUTH AYRSHIRE
<u>Laggan</u>	SSSI	Current	G	NORTH AYRSHIRE
<u>Laggan Burn</u>	SSSI	Current	G	SOUTH AYRSHIRE
<u>Largs Coast Section</u>	SSSI	Current	G	NORTH AYRSHIRE
<u>Littleton And Balhamie Hills</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Loch Doon</u>	SSSI	Current	B	EAST AYRSHIRE
<u>Lugar Sill</u>	SSSI	Current	G	EAST AYRSHIRE
<u>Lynn Spout</u>	SSSI	Current	G	NORTH AYRSHIRE
<u>Maidens To Doonfoot</u>	SSSI	Current	M	SOUTH AYRSHIRE
<u>Martnaham Loch And Wood</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Millenderdale</u>	SSSI	Current	G	SOUTH AYRSHIRE
<u>Muirkirk Uplands</u>	SSSI	Current	B	EAST AYRSHIRE/SOUTH LANARKSHIRE
<u>Ness Glen</u>	SSSI	Current	B	EAST AYRSHIRE
<u>Nith Bridge</u>	SSSI	Current	G	EAST AYRSHIRE
<u>North Newton Shore</u>	SSSI	Current	G	NORTH AYRSHIRE
<u>Penwhapple Burn</u>	SSSI	Current	G	SOUTH AYRSHIRE
<u>Pinbain Burn To Cairn Hill</u>	SSSI	Current	M	SOUTH AYRSHIRE
<u>Portencross Coast</u>	SSSI	1949 ACT SSSI	B	NORTH AYRSHIRE
<u>River Ayr Gorge</u>	SSSI	Current	B	EAST AYRSHIRE
<u>Roughneuk Quarry</u>	SSSI	Current	G	SOUTH AYRSHIRE
<u>Sgavoch</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Skelmorlie Glen</u>	SSSI	Current	B	NORTH AYRSHIRE
<u>South Coast Of Arran</u>	SSSI	Current	M	NORTH AYRSHIRE
<u>South Threave</u>	SSSI	Current	G	SOUTH AYRSHIRE
<u>Stairhill</u>	SSSI	Current	G	SOUTH AYRSHIRE
<u>Trearne Quarry</u>	SSSI	Current	G	NORTH AYRSHIRE
<u>Troon Golf Links And Foreshore</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Turnberry Dunes</u>	SSSI	Current	B	SOUTH AYRSHIRE
<u>Turnberry Lighthouse To Port Murray</u>	SSSI	Current	G	SOUTH AYRSHIRE
<u>Western Gailes</u>	SSSI	Current	B	NORTH AYRSHIRE

Type:- G =Geological Site

B = Biological

M = Mixed

Wildlife Sites

Name	Wildlife Site Status
Ailsa Craig SSSI	Wildlife Site
Aldons Hill and River Stinchar	Provisional WS
Aldons Hill SSSI	Wildlife Site
Alloway Railway Track	Wildlife Site
Auchalton Meadows SWT Reserve	Provisional WS
Auchalton SSSI	Wildlife Site
Auchincruive Marsh	Provisional WS
Ayr Gorge Woodlands SWT Reserve	Provisional WS
Baldrongan Burn	Provisional WS
Ballantrae Shingle Beach SSSI	Wildlife Site
Ballantrae Shingle Spit	Provisional WS
Bargany	Provisional WS
Barnshean Loch and Loch Croot	Provisional WS
Barquhey Wood	Provisional WS
Beneraird Moorland	Provisional WS
Bennane Head Grasslands SSSI	Wildlife Site
Black Loch and Kirkie Loch	Provisional WS
Blairbowie Flushes	Provisional WS
Blairquhan	Provisional WS
Camregan Hill and Penwhapple Burn	Provisional WS
Carcluie Loch	Provisional WS
Carcluie Reservoirs	Provisional WS
Carnell and Cessnock Water Woodlands	Provisional WS
Carrick Hills	Provisional WS
Chapelton Burn	Provisional WS
Chapelton Loch	Provisional WS
Clune	Provisional WS
Coodham	Provisional WS
Corwar Estate	Provisional WS
Craig Wood SSSI	Wildlife Site
Craigdow Loch	Wildlife Site
Craigenreoch and Eldrick Hill	Provisional WS
Craighead Bank Wood	Provisional WS
Craighead Quarry SSSI	Wildlife Site
Craigs of Kyle	Provisional WS
Culroy Burn and Pinmore Burn	Provisional WS
Culzean Country Park	Wildlife Site
Cunning Park	Provisional WS
Darley Wood	Provisional WS
Doonfoot and Greenan	Wildlife Site
Drumlamford Lochs	Provisional WS
Drumore Loch	Provisional WS
Dundonald Hills	Provisional WS
Dundonald Wood SSSI	Wildlife Site
Dunure to Drumbane Burn	Wildlife Site
Dyrock and Backglen Burn	Provisional WS
Fail Moss	Provisional WS
Feoch Burn	Provisional WS
Feoch Meadows SSSI	Wildlife Site
Feoch Meadows SWT Reserve	Provisional WS
Fergus Loch	Provisional WS
Fullarton Wood	Provisional WS
Gadgirth	Provisional WS
Galloway Burn to Downan Point	Provisional WS
Girvan Mains to Balkenna	Provisional WS

Girvan to Ballantrae	Provisional WS
Glen Doune and Troweir Hill	Provisional WS
Glen Tig, Loch Meraddie and Dunnack Burn	Provisional WS
Glenapp	Provisional WS
Glenapp and Galloway Moors SSSI	Wildlife Site
Glenapp Castle Woodland	Provisional WS
Goatsgreen to Katie Gray's Rocks	Provisional WS
Dyrock Wood	Provisional WS
Heart Loch	Provisional WS
Kilantringan Loch	Provisional WS
Kildonan	Provisional WS
Kilkerran	Provisional WS
Kirkbride Glen	Provisional WS
Kirkmichael House	Provisional WS
Knockdaw Hill & Knockormal Hill	Provisional WS
Knockdaw Hill SSSI	Wildlife Site
Knockdolian Hill	Provisional WS
Knockdolian Hill SSSI	Wildlife Site
Laggan Loch	Provisional WS
Lindsayston Burn	Provisional WS
Lindston Loch	Provisional WS
Loch Breckowie	Provisional WS
Loch Duisk	Provisional WS
Loch Lig	Provisional WS
Loch Spallander and Cloncaird Moor	Provisional WS
Lochend Loch	Provisional WS
Lochspouts and Ghaist Glen	Provisional WS
Maidens to Doonfoot SSSI	Wildlife Site
Martnaham Fen	Provisional WS
Martnaham Loch and Wood SSSI	Wildlife Site
Mochrum Hill	Provisional WS
Mochrum Loch	Provisional WS
Muck Water	Provisional WS
Penwhapple Reservoir	Provisional WS
Pinbain Burn to Cairn Hill SSSI	Wildlife Site
Pow Mill Wood	Wildlife Site
Raith Burn and Ladykirk	Provisional WS
River Ayr (Annbank to Stair)	Provisional WS
River Ayr (Craigie Park to Mainholm)	Provisional WS
River Ayr (Oswald Bridge to Tarholm Bridge)	Provisional WS
River Ayr (Stair to Barskimming)	Provisional WS
River Ayr Gorge SSSI	Wildlife Site
River Doon (Dalrymple to Patna)	Provisional WS
River Doon (Doonholm to Brae of Auchendrane)	Provisional WS
River Doon (Monkwood to Dalrymple Wood)	Provisional WS
River Stinchar (Colmonell to Poundland)	Provisional WS
River Stinchar (Knockenfinnick to Knockdolian)	Provisional WS
River Stinchar (Milton to Black Hill)	Provisional WS
River Stinchar (Minuntion to Pingerrach Burn)	Provisional WS
Rottenrow	Provisional WS
Rozelle	Wildlife Site
Shalloch on Minnoch and Tarfessock	Provisional WS
Shankston Loch	Provisional WS
Shentulloch Knowe and Black Clauchrie	Provisional WS
Shewalton Moss	Provisional WS
Straiton Hills	Provisional WS
Tarbolton Loch	Wildlife Site
Tranew Flushes	Provisional WS

Trochrague	Provisional WS
Troon Golf Links and Foreshore SSSI	Wildlife Site
Troon North Foreshore	Provisional WS
Troon South Wood	Provisional WS
Turnberry Castle to Maidens	Provisional WS
Turnberry Dunes SSSI	Wildlife Site
Water of Assel	Provisional WS
Water of Coyle (Bridgend to Mill of Sheil)	Provisional WS
Water of Coyle (River Ayr to the Cusharts)	Provisional WS
Water of Fail and Montgomerie Castle	Provisional WS
Water of Girvan (Dailly to Kilkerran)	Provisional WS
Water of Girvan (Hamilton Bridge to Carsloe)	Provisional WS
Water of Lendal to Byne Hill	Provisional WS
Whitehill Woods	Provisional WS

Local Nature Reserves

Catrine Voes
Stevenston Beach

Ayrshire Local Biodiversity Action Plan

Habitats

Coastal & Marine

Open Water & Sea –bed
Inlets & Enclosed Bays
Inter-tidal Zone
Above the tide-line
Rivers & Streams
Fen, Carr, Marsh, Swamp &
Reedbed
Raised Bog
Standing Open Water
Coastal & Floodplain Grazing
Marsh

Wetland

Farmland

Grassland

Acid Grassland
Purple Moor Grass & Rush
Pasture
Base-rich Grassland
Unimproved Neutral Grassland

Urban

Woodland

Native Woodland
Parkland & Policy Woodland
Planted Coniferous Woodland

Upland

Upland Heath
Blanket Bog
Montane

Species

Black Grouse

Brown Hare

Corncrake

Hen Harrier

Lesser Whitethroat

Northern Brown Argus

Oyster Plant

Pink Meadowcap

Pipistrelle Bat

Song Thrush

Water Vole

Summery List of Baseline Environmental Information

Baseline Environmental Data	Source of Information	Related Environmental Issues- incl. direct, secondary, cumulative & synergistic
Air & Climate Change		
Air Quality	Local Authority; SEPA; SNIFFER	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
CO2 Emissions	Local Authority; SNIFFER	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
GHG Emissions	Local Authority; SEPA; SNIFFER	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Water		
Water Quality (both fresh & sea)	SEPA	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Bathing Water Quality	SEPA	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
No. Rivers, Quality & Length	SEPA; Ayrshire Rivers Trust	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Flooding Information	Local Authority; SEPA	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Landscape, Soil, Flora, Fauna, Biodiversity		
Landscape & Geological Information	Local Authority; British Geological Survey	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Agricultural Land - categorisation	Local Authority; Macaulay Land Institute	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Greenbelt; Brownfield; Vacant Ground	Local Authority	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Lowland Raised Bogs & Blanket	Local Authority; SNH	Biodiversity; population; human health; flora; fauna; soil; water; air;

Bogs		climatic factors; cultural heritage; landscape
Country Parks	Local Authority;	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Amenity & Recreational Open Space	Local Authority	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Special Protected Areas	Local Authority; SNH	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Special Areas of Conservation	Local Authority; SNH	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Local Nature Reserve	Local Authority; SNH	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Wildlife sites (both confirmed & provisional)	Local Authority; SWT	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Tree Preservation Orders	Local Authority	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Areas of Ancient or Semi Natural Woodland	Local Authority; SNH; Ayrshire & Arran Woodland Partnership	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Woodland Cover	Local Authority; Ayrshire & Arran Woodland Partnership	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Fauna (incl. birds, butterflies, moths, invertebrates, molluscs, fish, mammals, reptiles and marine)	SNH; RSPB; SOC; Deer Commission; Fisheries Research Service;	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Wildflowers	SNH	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Invasive species	SNH; Local Authority	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape
Cultural Heritage incl. Architectural & Archaeological		
Historic buildings	Local Authority; Historic Scotland; RCAHMS	Population; human health; flora; fauna; water; air; climatic factors; cultural heritage; landscape
Conservation Areas	Local Authority	Biodiversity; population; human health; flora; fauna; soil; water; air;

		climatic factors; cultural heritage; landscape
Scheduled Ancient Monuments	Local Authority; West of Scotland Archaeological Services; Historic Scotland; RCAHMS	Population; human health; flora; fauna; water; air; climatic factors; cultural heritage; landscape
Archaeological Sites & Landscapes	Local Authority; West of Scotland Archaeological Services; RCAHMS	Population; human health; flora; fauna; water; air; climatic factors; cultural heritage; landscape
Human Health		
Human Health	Ayrshire & Arran Health Board	Biodiversity; population; human health; flora; fauna; soil; water; air; climatic factors; cultural heritage; landscape

Illustration of documentation of effects. (Source : the SEA Practical Guide (ODPM et al, September 2005))						
SEA objectives	Targets (where available)	Can the effect be quantified? (if yes, insert data)	Effects over time 0= Neutral effect += positive effect - = negative effect			Comments/ explanation (e.g. significance, reversibility etc.)
			short term	medium term	long term	
Protect biodiversity at ecosystem, species and genetic levels	10% increase per 10 year period in sites with land managed to wildlife		0	+	++	
Additional information on changes to the option, proposals for mitigation, etc:						

Example table for assessment of alternatives against SEA objectives (Source : the SEA Practical Guide (ODPM et al, September 2005))				
SEA Objective	Option A		Option B	
	Performance	Commentary / explanation	Performance	Commentary / explanation
SEA Objective 1				
SEA Objective 2				
SEA Objective 6				
SEA Objective 7				
<i>Etc</i>				
Additional Comments (including changes to the alternative) and Preferred Option				
<p>Key for performance: + positive - negative O neutral? uncertain + minor ++ major A distinction could also be made between short, medium and long term, if appropriate</p>				

Example of comparison of alternatives

Scale: + positive, - negative, +/- range of positive and negative effects

(Source : the SEA Practical Guide (ODPM et al, September 2005)

	Option 1: multi-function waste treatment facilities (management, storage and processing) in each population centre with >25,000 inhabitants				Option 2: limited function waste treatment facilities (management, recycling, and some treatment) dotted around the county provided on a basis of one facility per 10,000 inhabitants			
SEA Objective	Short term	Med term	Long term	Comments/ explanation	Short term	Med term	Long term	Comments/ explanation
Limit air pollution to levels that do not damage natural systems	+/-	+/-	+/-	Operating conditions may reduce amount of pollution from waste treatment, but more vehicle trips needed to bring waste to the limited number of sites	+	++	+++	Easier access to treatment facilities should reduce the number and length of trips to assemble waste at the site. Effect is cumulative
Reduce the need to travel		+/-	-	Limited number of treatment sites results in more and longer trips. Effect accumulates as the volume of waste produced per capita rises	+	++	+++	As above
Preserve historic buildings, and other culturally important features				Has no obvious impact	-	-	-	Potential impact if new treatment sites affect valued or protected localities or sites. Unquantifiable at present