Strategic Environmental Assessment - Sources of Data











Title Page
Table of Contentsii
Introduction
Explanation of the Guidance
Biodiversity, fauna and flora
Population and Human Health
Water and Soil
Air
Climatic factors
Cultural Heritage (including architectural and archaeological heritage) 13
Landscape
Material Assets

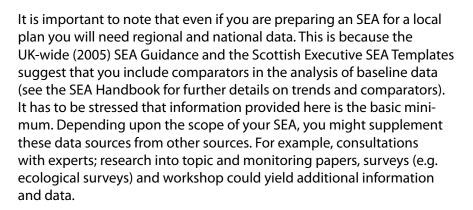


Introduction

The availability of good and reliable data is essential for every SEA being undertaken. In the SEA, information or data may be required for the compilation of baseline information or for the identification of environmental issues and problems. Information and data required for SEA should cover a number of "environmental issues" including biodiversity (including fauna and flora), soil, population, human health, landscape, cultural heritage (including architectural and archaeological heritage) and material assets. In practice, one officer or organisation does not hold all of the information you require to carry out SEA. Instead, different officers or groups of persons within and outwith your Council hold information or data. This booklet will guide you to different sources of data or information relevant to SEA.

Explanation of the Guidance

The first three columns of the guidance cover environmental issues, SEA objectives and indicators. The fourth and fifth columns provide information on sources suitable for plans covering small areas and wider local area. Thus if you are preparing an area plan or neighbourhood action plan, sources for information or data may come from officers listed under "Area Data Source." An SEA for a local plan will first consider data and information from officers and bodies listed under "Local Data Source." Similarly an SEA for a Strategic Development Plan will make use of data sources listed under "Regional Data Source."











Biodiversity, fauna and flora

Biodiversity, fauna and flora					
Environmental Issue/SEA Topic: Biodiversity, fauna and flora					
Possible Objectives P	Possible SEA Indicators	Area Data Source	Local Data Source	Regional Data Source	
 Avoid damage to designated wildlife and geological sites and protected species Maintain biodiversity, avoiding irreversible losses Restore the full range of characteristic habitats and species to viable levels Reverse the long term decline in farmland birds Ensure he sustainable management of key wildlife sites and the ecological processes on which they depend Provide opportunities for people to come into contact with and appreciate wildlife and wild places 		 NESBReC (01224273633 Hilton Campus Aberdeen University) 	 NESBReC (01224273633 Hilton Campus Aberdeen University) Aberdeenshire 	 NESBReC (01224273633 Hilton Campus Aberdeen University)(01467628002 Gordon House) Environment Planner (Ecologist) (01467 628002) North East Scotland Local Biodiversity Action Plan (NELBAP) The Macaulay Institute (01224 318611)	
				ment/statistics	



Environmental Issue/SEA Topic: Biodiversity, fauna and flora continued				
Possible Objectives	Possible SEA Indicators	Area Data Source	Local Data Source	Regional Data Source
		 Aberdeen City Local Nature Reserves Sites of Special Scientific Interest Improving and promoting public access to the countryside Tel: 01224 897400 Email: italboys@aberdeencity.gov.uk Tree maintenance & Woodland Management Tel: 01224 522231 Fax: 01224 523921 Email: richardn@aberdeencity.gov.uk Ranger Service on 01224 897400 or E-mail: lochinch@aberdeencity.gov.uk		J , , ,

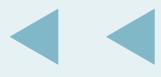




Population and Human Health

Environmental issue/SEA Topic: Population and Human health				
Possible Objectives	Possible SEA Indicators	Area Data Source	Local Data Source	Regional Data Source
 Create conditions to improve health and reduce health inequalities Promote healthy living Protect and enhance human health Reduce and prevent crime, reduce the fear of crime Decrease noise and vibration Increase opportunities for indoor recreation and exercise 	 Size of population Changes in demography Years of healthy life expectancy / infant mortality rate Mortality by cause Recorded crimes per 1000 population Fear of crime surveys Number of transport/pedestrian/cyclist road accidents Number of people affected by ambient noise levels Proportion of tranquil areas Proportion of population living in most deprived areas/reliant on key benefits/ income deprived General resident perception surveys 	 Research Officer (012244743) Senior Information officer (01224664713) Information & Information Manager (012244740) NHS Health Scotland (2004) A Community Health and Well-being Profile. Edinburgh & Glasgow: Health Scotland Scottish Neighbour- hood Statistics. Aberdeenshire & Aberdeen City (2004) Strategic Forecasts 	 Research Officer (012244743) Senior Information officer (01224664713) Information & Information Manager (012244740) NHS Health Scotland (2004) A Community Health and Well-being Profile. Edinburgh & Glasgow: Health Scottish Neighbour-hood Statistics. Aberdeen City (2004) Strategic Forecasts 2003-2021 Aberdeen city – Noise control Tel: 01224 523440 Fax: 01224 647333	 Research Officer (012244743) Senior Information officer (01224664713) Information & Information Manager (012244740) NHS Health Scotland (2004) A Community Health and Well-being Profile. Edinburgh & Glasgow: Health Scottish Neighbour-hood Statistics. Noise policy, research and mitigation – DEFRA – www.defra.gov. uk/environment/noise Census data and general population statistics - General Register for Scotland – www.gro-scotland. gvo.uk





Water and Soil

Water and Soil					
Environmental Issues/SEA Topic: Water and soil					
Possible Objectives	Possible SEA Indicators	Area Data Source	Local Data Source	Regional Data Source	
 Limit water pollution that do not damage natural systems Maintain water abstraction, run-off and road recharge within carrying capacity (including future capacity) Reduce contamination, and safeguard soil quality and quantity Minimise waste, then re-use or recover it through recycling, composting or energy recovery Maintain and restore key ecological processes (e.g. hydrology, water quality, coastal processes) 	 Quality (biology and chemistry) of rivers Quantity and quality of groundwater Water use (by sector, including leakage), availability and proportions recycled Water available for water dependent habitats, especially designated wetlands Amount/loss of greenfield / brownfield land and proportion available for reuse Number of houses affected by subsistence, instability Housing density Waste disposal of in landfill Contaminated land Flood risk 	 Environment Planner (Strategic) – 01467 628380 Countryside Access Officers – Inverurie - (01467 628481; Aboyne – 013398 87453 Ranger Service (Head – 01467628399) Senior & Access & South (01339885751) Senior & Coastal & North (01771622857) The Environmental Health Section of Aberdeenshire Councils' Planning and Environmental Service environment@aberdeen.gov.uk Area Offices Banff & Buchan Area (01261) 813280 Fraserburgh (01346) 586321 Buchan Area (01779) 483254 Formartine Area (01888) 563417 	 Environment Planner (Strategic) – 01467 628380 Countryside Access Officers - Inverurie (01467 628481; Aboyne – 013398 87453 Ranger Service (Head – 01467628399) Senior & Access & South (01339885751) Senior & Coastal & North (01771622857) The Environmental Health Section of Aberdeenshire Councils' Planning and Environmental Service environment@aberdeen.gov.uk Area Offices Banff & Buchan Area (01261) 813280 Fraserburgh (01346) 586321 Buchan Area (01779) 483254 Formartine Area (01888) 563417 	ity and use, agricultural land classification Defra – www.defra. gov.uk/environment/ statistics Soils, plans and water Macaulay Land Use research Institute www.mluri.sari.ac.uk Water quality data, including water quality classification scheme, monitoring and new classifications estab- lished to meet requirements of the Water Framework directive, Bathing water quality data; river level data; flood warning information; catchment management plans; waste strategy; waste data report – Waste Data Digest providing information about waste arisings	



Environmental Issues/SEA Topic: Water and soil continued					
Possible Objectives	Possible SEA Indicators	Area Data Source	Local Data Source	Regional Data Source	
		Ellon (01358) 726444 Garioch Area Gordon House (01467) 620981 Marr Area (01466) 794121 Alford (019755) 64806 Banchory (01330) 822878 Aboyne, (013398) 87373 Kincardine and Mearns Area Stonehaven, (01569) 768232 Aberdeenshire Wide Environmental Health Specialist Officer (Housing and Pollution) Tel: 01467 628159	 Ellon (01358) 726444 Garioch Area Gordon House (01467) 620981 Marr Area (01466) 794121 Alford (019755) 64806 Banchory (01330) 822878 Aboyne, (013398) 87373 Kincardine and Mearns Area Stonehaven, (01569) 768232 Aberdeenshire Wide Environmental Health Specialist Officer (Housing and Pollution) Tel: 01467 628159 	SEPA Policies – e.g. Groundwater policy – SEPA www.sepa.org.uk/data/ index.html • www.sepa.org. uk/publications/ bathingwaters/index. htm www.sepa.org.uk/ publications/wfd/index. htm www.sepa.org.uk/data/ classification/index.htm www.sepa.org.uk/data/ river_levels/data.htm www.sepa.org. uk/flooding/index.htm www.sepa.org. uk/flooding/index.htm www.sepa.org.uk/ publications/nws/index. htm www.sepa.org.uk/ publications/wds/index. htm www.sepa.org. uk/policies/index.htm www.sepa.org. uk/policies/index.htm www.sepa.org.uk/ publications/technical/ spey/index.htm	





Air

All						
Environmental Issue/SEA To	Environmental Issue/SEA Topic: Air					
Possible Objectives	Possible SEA Indicators	Area Data Source	Local Data Source	Regional Data Source		
 Limit air pollution to levels that do not damage natural systems Reduce the need to travel Reduce respiratory illness 	 Number of days of air pollution Levels of key air pollutants/per sector and per capita Achievement of Air Quality Management Area Access to key services Distance travelled per person per year by mode of transport Modal split Traffic volumes 	 The Environmental Health Section of Aberdeenshire Councils' Planning and Environmental Service environment@aberdeen.gov.uk Area Offices Banff & Buchan Area (01261) 813280 Fraserburgh (01346) 586321 Buchan Area (01779) 483254 Formartine Area (01888) 563417 Ellon (01358) 726444 Garioch Area Gordon House (01467) 620981 Marr Area (01466) 794121 Alford (019755) 64806 Banchory (01330) 822878 Aboyne, (013398) 87373 Kincardine and Mearns Area 	620981 • Marr Area • (01466) 794121 • Alford (019755) 64806 • Banchory (01330) 822878 • Aboyne, (013398) 87373	 Information on energy saving and carbon management – action energy / Carbon Trust – www.thecarbobtrust. co.uk Concentrations of carbon dioxide, sulphur dioxide – National Atmospheric Emissions Inventory – www.naei. org.uk www.airquality.co.uk/archive/laqm/laqm.php www.airquality.co.uk/archive/bulletin.php?type+current Air quality – NO2 and SO2 Emissions – SEPA www.sepa.org.uk/data/index.htm www.sepa.org.uk/data/emissions_SO2_NOx Pollution and transport statistics www.scotland.gov.uk/Topics/Environment/Pollution 		

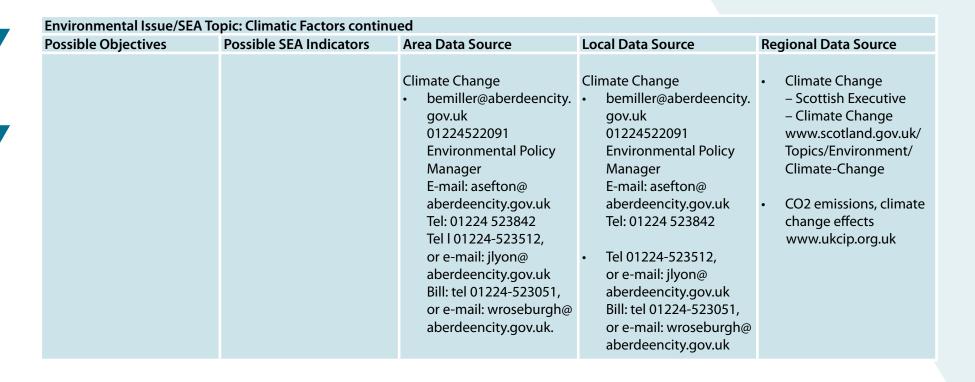






Climatic factors

Environmental Issue/SEA Topic: Climatic Factors				
Possible Objectives	Possible SEA Indicators	Area Data Source	Local Data Source	Regional Data Source
Reduce greenhouse gas emissions Reduce vulnerability to the effects of climate change e.g. flooding, disruption to travel by extreme weather, etc	Electricity and gas use Electricity generated from renewable energy sources and CHP located in the area Energy consumption per building and per occupant CO2 emissions Flood risk	 Energy Conservation Engineer (01224 664443) Energy Conservation Assistant (01224 66-4489/4150/4481) Energy Conservation Engineer (01224 664443) Aberdeen City Air pollution	 Energy Conservation Engineer (01224664443) Energy Conservation Assistant (01224 66-4489/4150/4481) Energy Conservation Engineer (01224 664443) Aberdeen City Air pollution	 Concentrations of carbon dioxide, sulphur dioxide etc, Local Air Quality Management Plans – Air quality Archive www.airquality.co.uk weather patterns – Met Office – www.metoffice. co.uk renewable energy sites, capacity and generation Renewable Energy Statistics Database - www.restats.org.uk www.etsu.comRESTAS Industrial emissions data – SEPA – www. sepa.org.uk/data /index. htm





Cultural Heritage (including architectural and archaeological heritage)

		aeologicai neritage)			
Environmental Issue/SEA Topic: Cultural Heritage (including architectural and archaeological heritage)					
ible Objectives	Possible SEA Indicators	Area Data Source	Local Data Source	Regional Data Source	
Preserve historic puildings, archaeological sites and other culturally important features /alue and protect diversity and local distinctiveness	 Percentage of listed buildings and archaeological sites at risk Number and proportion of vacant dwellings Building functionality: use, access, space Building impact: form and materials, internal environment, urban and social integration, character and innovation 	Stonehaven (01569768291) Archaeologists (Assist Principal) 01224 66 4723 or 4726 of 4731) Aberdeen City Keeper of Archaeology Archaeological heritage Tel: 01224 523658 Email: judiths@ aberdeencity.gov.uk Assistant Archaeologist Tel: 01224 523654 Email: alcameron@ aberdeencity.gov.uk Conservation area Advice Tel: 01224 52228 Fax: 01224 636181	Stonehaven (01569768291) Archaeologists (Assist Principal) 01224 66 4723 or 4726 o6 4731) Aberdeen City Keeper of Archaeology Archaeological heritage Tel: 01224 523658 Email: judiths@aberdeencity.gov.uk Assistant Archaeologist Tel: 01224 523654 Email: alcameron@aberdeencity.gov.uk Conservation area Advice Tel: 01224 52228 Fax: 01224 636181	 Buildings, sites, and ancient monuments - Royal Commission on the Ancient & Historic Monuments of Scotland (RCAHMS) – www. rcahms.gov.uk 	
	Preserve historic puildings, archaeological sites and other culturally mportant features Value and protect diversity and local	 Possible SEA Indicators Percentage of listed buildings and archaeological sites at risk Number and proportion of vacant dwellings Building functionality: use, access, space Building impact: form and materials, internal environment, urban and social integration, character and 	Percentage of listed buildings and archaeological sites at risk Number and proportion of vacant dwellings ilistinctiveness Building impact: form and materials, internal environment, urban and social integration, character and innovation Building important, urban and social integration, character and innovation Percentage of listed buildings and archaeological sites at risk Number and proportion of vacant dwellings Building functionality: use, access, space Building impact: form and materials, internal environment, urban and social integration, character and innovation Area Data Source Environment Planner (built & Cultural Heritage) Banff (01261813218); Inverurie 01467628632); Stonehaven (01569768291) Archaeologists (Assist Principal) 01224 66 4723 or 4726 of 4731) Aberdeen City Keeper of Archaeology Archaeological heritage Tel: 01224 523658 Email: judiths@ aberdeencity.gov.uk Assistant Archaeologist Tel: 01224 523654 Email: alcameron@ aberdeencity.gov.uk Conservation area Advice Tel: 01224 522228	Perserve historic puildings, archaeological sites at risk	







Landscape

Environmental Issue/SEA Topic: Landscape				
Possible Objectives	Possible SEA Indicators	Area Data Source	Local Data Source	Regional Data Source
Create places, spaces and buildings that work well and look well Protect and enhance the landscape everywhere and particularly in designated areas Improve the quality and quantity of publicly accessible open spaces	particular quality or amenity value, including publicly accessible land and greenways Proportion of population within 200m	 Environment Planner (Landscape) – 01467628395 Aberdeen City Tel: 01224 522246 Fax: 01224 636181 Email: inicol@ aberdeencity.gov.uk 	 Environment Planner (Landscape) - 01467628395 Aberdeen City Tel: 01224 522246 Fax: 01224 636181 Email: inicol@ aberdeencity.gov.uk 	Scottish Natural Heritage (SNH) – www.snh.org.uk



Material Assets

Environmental Issue/SEA Topic: Material Asset						
Possible Objectives	Possible SEA Indicators	Area Data Source	Local Data Source	Regional Data Source		
 Promote creation of fixed assets Enhance and promote commercial and industrial assets 	 Vacant properties Housing completion Degraded buildings New developments No of existing buildings 	• Environment Planner (Projects) Banff (01261813217); Inverurie (01467 628381); Stonehaven	 Environment Planner (Projects) Banff (01261813217); Inverurie (01467 628381); Stonehaven 	 Housing statistics – Scottish Executive – www.scotland. gov.uk/about/DD/ EAS/00014844/home. 		
 Protect residential, commercial and industrial properties Promote wealth 	reusedFlood defencesGauging stationsPumping stations	(01569 768288)Architecture ManagerWoodhill House 01224	 (01569 768288) Architecture Manager Woodhill House 01224 	 Planning statistics – www.scotland.gov. 		
creation	LocksWeirsIndustrial plant	• Architect - 1224 664449	884424	uk/about/ASD/DD- EAS-Env/00017731/ page1340818912.aspx		
	InfrastructureTransport networkResidential propertiesIndustry properties	• Principal Architect – 1224664464	 Principal Architect 1224664464 	 North East Economic Research http://www.neser.org. 		
	 Commercial properties Reduce homelessness Increase range of housing for all social groups 	Principal Quantity Surveyor - 1224664493 Estate Manager	Principal Quantity Surveyor - 1224664493 Estate Manager	uk/indicatorsheets.cfm cover the following		
	 and household types Ensure sufficient supply of affordable housing 	1224664257	Estate Manager 1224664257Harbours & Asset	 Employee Jobs - Energy Sector, 2003-2021 Employee Jobs - Service Sector, 2003-2021 		
	 Reduce number of unfit and empty properties in the private sector Indigenous business 	Management – Civil Engineer – Cape House – 01261813483	Management – Civil Engineer – Cape House – 01261813483	 Employee Jobs - Total, 2003-2021 Household Forecasts / Projections, 2001-2016 		
	development Improve resilience of business and economy	 Specialist Officer Harbour & Assets -0121813479 	 Specialist Officer Harbour & Assets -0121813479 	 Housing - House Prices, 2001-2006 Housing Stock, 2001 		



Environmental Issue/SEA Topic: Material Asset continued						
Possible Objectives	Possible SEA Indicators	Area Data Source	Local Data Source	Regional Data Source		
Possible Objectives	 Resources recovered through recovery and recycling Number business and houses protected from flooding Increased proportion of building materials from sustainable sources Proportion of population owning energy efficient cars 	 Local Roads Manager –01261813414 Engineer –01261813416 Principal Engineer 	 Local Roads Manager –01261813414 	 Oil and Gas - Employee Estimates and Forecasts, 1981-2021 		
				Scotland		