

## East Dunbartonshire Council Environmental Baseline Data Annual Update

**Last update: 27<sup>th</sup> March 2018**

POPULATION AND HUMAN HEALTH							
Objective: To improve human health and community wellbeing							
SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source	
<b>POPULATION</b>	<b>Population Statistics</b>	Total population of East Dunbartonshire	106,960	5,373,000	July 2016 (2015 mid-year)	National Records of Scotland	
		Female population by age	0-15: 8,975			July 2016 (2015 mid-year)	National Records of Scotland
			16-29: 7,695				
			30-44: 8,991				
	45-59: 13,111						
	60-74: 10,100						
	75+: 6,353						
All: 55,225							
Male population by age	0-15: 9,569			July 2016 (2015 mid-year)	National Records of Scotland		
	16-29: 8,840						
	30-44: 8,025						
	45-59: 11,817						
	60-74: 8,969						
75+: 4,525							
All: 51,735							
Population projections	Decreasing population (-6,726 between 2015 and 2037) Ageing population By 2037, ED's population will be 98,696 Large increase in 75+ age group 65+: +9,937 between 2015 and 2037			March 2016 (2012 population projections)	General Register Office for Scotland – population projections		
<b>Housing</b>	Number of households 2012	43,778	2,387,207	2012 – base projections	National Records of Scotland 2012 base projections		
	Household projections 2037	44,509	2,782,774	2012 – base projections	National Records of Scotland 2012 base projections		

POPULATION AND HUMAN HEALTH						
Objective: To improve human health and community wellbeing						
SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
		Percentage change in number of households 2012 - 2037	+2%	+17%	2015	National Records of Scotland 2012 base projections
		Average size per household	2.27 people per household (2014) 2.39 people per household (2013) 2.50 people per household (2003)	2.00	2014	National Records of Scotland - Projected Average (mean) Household Size in Scotland by Local Authority
		Housing Land Requirement 2012 - 2029	Social Sector – 720 Private Sector – 1880 Total – 2600		2017	Clydeplan
		Housing Supply Targets 2012 - 2029	Social Sector – 630 Private Sector – 1630 Total – 2260		2017	Clydeplan
HEALTH	Life Expectancy	Life expectancy at birth	Male: 80.7 years Female: 83.9 years	Male: 77.1 years (+4.9% over 12 years) Female: 81.1 years (+2.9% over 12 years)	Life expectancy at birth – 28/09/2017	National Records of Scotland - Life expectancy at birth in Scotland, 2017, by council and NHS board area1 and comparisons with 2001-2003 and 2013-2015 (males and females)
		Deprivation	Parts of Lennoxton, Hillhead and Kirkintilloch West are considered to be the most deprived 20%. in the top 4 deprived areas in the top 5% areas of deprivation in Scotland.		2016	Scottish Index of Multiple Deprivation (SIMD)

**POPULATION AND HUMAN HEALTH**

Objective: To improve human health and community wellbeing

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
Ill Health and Injury		New patients registered with cancer	712 cases/100,000 population	644.9 cases/100,000 population	2017 PHO data	The Scottish Public Health Observatory Health and Wellbeing Profile 2017
		Patients hospitalised with chronic obstructive pulmonary disease (COPD)	188 cases/100,000 population	245.8 cases/100,000 population		
		Patients hospitalised with coronary heart disease	388 cases//100,000 population	386.9 cases/100,000 population		
		Patients with emergency hospitalisations	8386 cases/100,000 population	7605.9 cases/100,000 population		
		Patients hospitalised with asthma	97 cases/100,000 population	92.4 cases/100,000 population		
		Patients (65+) with multiple emergency hospitalisations	1172 cases/100,000 population	5405.3 cases/100,000 population		
		Road traffic accident casualties	43 cases/100,000 population	59.9 cases/100,000 population		
Mental Health		Patients prescribed drugs for anxiety/depression/psychosis Patients with a psychiatric hospitalisation	17.5% of the population	18.5% of the population		
		Deaths from suicide	11 cases/100,000 population	13.9 cases/100,000 population		
Lifestyle		Participation in sport and exercise (% of adults)	All sport including walking – 81 All sport excluding walking – 55 Walking (min 30 minutes) – 69 Swimming – 23 Keep fit/aerobics – 12 Multigym/weight training – 14 Running/jogging – 13 Cycling (min 30 minutes) – 12 Dancing – 6 Football – 9 Golf – 6 Snooker/billiards/pool – 1 Bowls – 2	All sport including walking – 79 All sport excluding walking – 51 Walking (min 30 minutes) – 67 Swimming – 16 Keep fit/aerobics – 14 Multigym/weight training – 14 Running/jogging – 13 Cycling (min 30 minutes) – 11	2016	Scottish Household Survey – Participation in sports and physical activity in the last 4 weeks (East Dunbartonshire 2016)

**POPULATION AND HUMAN HEALTH**

Objective: To improve human health and community wellbeing

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
			Other – 7 None - 19	Dancing – 7 Football – 8 Golf – 6 Snooker/billiards/pool – 6 Bowls – 2 Other – 9 None – 21		
EMPLOYMENT	Employment Opportunities	Number of people who are economically active who are self-employed or in full and part-time employment	Self employed – 7% Full time employment – 35% Part time employment – 8% Total – 50%	Self employed – 6% Full time employment – 37% Part time employment – 10% Total – 53%	2016	
		Number of economically active people who are not working	Looking after the home or family – 5% Permanently retired – 31% Unemployed and seeking work – 3% Permanently sick or disabled – 2% Other – 1% Total – 42%	Looking after the home or family – 5% Permanently retired – 25% Unemployed and seeking work – 3% Permanently sick or disabled – 4% Other – 1% Total – 38%	2016	Scottish Household Survey – Current economic situation of adults aged 16 and over
		Number of economically active in education/training	8%	8%	2016	

**CULTURAL HERITAGE**

Objective: To protect, conserve and, where appropriate, enhance the historic environment

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source	
BUILT HERITAGE	Listed Buildings	Number Of Listed Buildings (Total)	175 (designated) 1 (removed)		15 January 2018	Historic Environment Scotland	
		Number Of Listed Buildings By Classification	A listed buildings – 15 B listed buildings – 84 C listed buildings – 76		15 January 2018	Historic Environment Scotland	
		Number Of Buildings At Risk	10 Buildings at Risk (2 with restorations in progress): Baldernock - Outbuilding Bearsden - Colquhouns of Garscadden Burial Enclosure Bishopbriggs - Cawder House Stables; Huntershill House Cadder - Cadder Smithy (restoration in progress) Kirkintilloch - Broomhill Hospital; 18A West High Street; Former Kirkintilloch Town Hall (restoration in progress) Lennoxton - Lennox Castle; High Kirk of Campsie		15 January 2018	Buildings at Risk Register for Scotland	
	World Heritage Site	World Heritage Site in East Dunbartonshire	UNESCO World Heritage Site Antonine Wall				
	Conservation Areas	Number Of Conservation Areas	15 Conservation Areas – 4 designated as 'outstanding'			2016	East Dunbartonshire Council
		Location Of Conservation Areas	Bardowie Conservation Area Baldernock Conservation Area Clachan of Campsie Conservation Area Cadder Conservation Area Coltpark Avenue/Stuart Drive Conservation Area Garrgaber Avenue Conservation Area			2016	East Dunbartonshire Council

**CULTURAL HERITAGE**

Objective: To protect, conserve and, where appropriate, enhance the historic environment

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
			Beech Road Conservation Area South Lenzie Conservation Area Westerton Garden Suburb Conservation Area Milngavie Town Centre Conservation Area Old Bearsden Conservation Area Tannoch Conservation Area Balmuildy/Kirkintilloch Road Conservation Area Milngavie Reservoir Conservation Area Central Kirkintilloch Conservation Area			
	Townscape Protection Areas	Number Of Townscape Protection Areas	21 Townscape Protection Areas			East Dunbartonshire Council
	Scheduled Monuments	Number Of Scheduled Ancient Monuments	40 Scheduled Monuments		15 January 2018	Historic Environment Scotland
		Number of Properties in Care	3 Properties in Care		15 January 2018	Historic Environment Scotland
NATURAL HERITAGE	Gardens and Designed Landscapes	Number of Gardens and Designed Landscapes	30 sites (3 sites have been proposed to Historic Scotland as being eligible to be included in the National Inventory of Gardens and Designed Landscapes)		2006	East Dunbartonshire Council Survey of Historic Gardens and Designed Landscapes

**BIODIVERSITY, FLORA AND FAUNA**

Objective: To protect, enhance, create and, where appropriate, restore biodiversity and encourage habitat connectivity

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
PROTECTED SITES	SSSI	Number, name, condition, features and area of (biological) SSSI in East Dunbartonshire	<p>6 SSSI in East Dunbartonshire in total (2 of which are protected for their geological value – see Soil and Geology tables)</p> <p><b>Cadder Wilderness</b> Features and Condition – broad-leaved, mixed and yew woodland - unfavourable, no change; other invertebrates Area – 40.01 ha</p> <p><b>Mugdock Wood</b> Features and Condition – broad-leaved, mixed and yew woodland, unfavourable, recovering; dwarf shrub heath (wet and dry), unfavourable, declining; standing open water and canals, unfavourable, no change; other invertebrates, favourable, maintained Area – 168.92 ha</p> <p><b>Sculliongour Limestone Quarry</b> Features and Condition – Calcareous grassland, favourable, recovered Area- 3.9 ha</p> <p><b>South Braes</b> Features and Condition – acid grassland, favourable, maintained; fen, marsh and swamp (grassland), unfavourable, no change Area – 32.65 ha</p>		15 January 2018	Scottish Natural Heritage
	LNR	Number, name, condition, feature and area of LNR in East Dunbartonshire	3 LNR - Merkland LNR, Lenzie Moss LNR and Kilmardinny Loch.		15 January 2018	Scottish Natural Heritage

BIODIVERSITY, FLORA AND FAUNA						
Objective: To protect, enhance, create and, where appropriate, restore biodiversity and encourage habitat connectivity						
SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
	LNCS (&IWC)	Number of LNCS	77 biodiversity LNCS 24 geodiversity LNCS 16 additional biodiversity LNCS sites proposed		21 March 2018	East Dunbartonshire Council – Biodiversity and Greenspace Policy Officer
	TPO	Number of TPOs	490 TPOs		January 2018	East Dunbartonshire Council - Arboriculture Officer
SPECIES	Protected Species	Species that are protected in East Dunbartonshire	There are a number of Protected Species identified in East Dunbartonshire (including those with former Species Action Plans, priority species and lesser priority species). This includes a number of species protected by domestic legislation such as Otters, Bats and Great-crested Newts. Badgers and Water Vole (Appendix A)		2016	East Dunbartonshire Council Local Biodiversity Action Plan
	Invasive Non-Native Species	Species identified in East Dunbartonshire as INNS	Several Invasive Non-Native Species (INNS) have been identified in East Dunbartonshire such as Japanese Knotweed (Appendix A)		2016	East Dunbartonshire Council Local Biodiversity Action Plan
		Total area of INNS	Rhododendron ponticum – 9.6ha/1.1% of native woodland area Japanese knotweed – 2.6ha/0.3% of native woodland area Snowberry – 1.1ha/0.1% of native woodland area Himalayan balsam – 0.1ha/<0.1% of native woodland area Other herbaceous invasive exotics – 13.2ha/1.6% of native woodland area		3 <sup>rd</sup> February 2014	Native Woodland Survey of Scotland report for East Dunbartonshire



**BIODIVERSITY, FLORA AND FAUNA**

Objective: To protect, enhance, create and, where appropriate, restore biodiversity and encourage habitat connectivity

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
WOODLAND	Ancient Woodland	Area of ancient woodland in East Dunbartonshire	94ha of woodland is present on ancient woodlands, which makes up 34% of native woodland. Another 11% is nearly-native in composition.		3 <sup>rd</sup> February 2014	Native Woodland Survey of Scotland report for East Dunbartonshire
	Native woodland	Area of native woodland in East Dunbartonshire	Native woodland in East Dunbartonshire comprises 841ha (32.6%) of the total woodland area (4.8% of the total land area).		3 <sup>rd</sup> February 2014	Native Woodland Survey of Scotland report for East Dunbartonshire
		Type of woodland	The main native woodland types in East Dunbartonshire are lowland mixed deciduous woodland (34%), wet woodland (25%) and upland birchwood (21%).		3 <sup>rd</sup> February 2014	Native Woodland Survey of Scotland report for East Dunbartonshire

## SOIL AND GEOLOGY

Objective: To protect and, where appropriate, use high quality and sensitive soils in a sustainable manner and conserve recognised geodiversity assets

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source	
SOIL	Soil Quality	Soil characteristics	Despite three quarters of the land in East Dunbartonshire being utilised for agricultural processes, the district has a small percentage (5%) of prime agricultural soil.			East Dunbartonshire Council	
		Peatland	A number of different sites in East Dunbartonshire have been identified as having varying levels of soil carbon richness and peatland including the Campsie Fells and the Kilpatrick Hills. The Natural Environment Planning Guidance has mapping to demonstrate the location of these sites.		2015/16	SNH / James Hutton Institute / East Dunbartonshire Council Natural Environment Planning Guidance	
	Contamination	Number and area of sites identified as contaminated land	Currently East Dunbartonshire has not designated any areas of land as contaminated land as defined in the Environmental Protection Act 1990. However, a list of potential contaminated sites has been created based on previous land use. On this list 638 potentially contaminated sites (to varying degrees of contamination) have been identified (next review May/June 2018)			2018	East Dunbartonshire Council
		Number and area of contaminated sites that have had remediation works carried out under the Contaminated Land Regulations	0			2016	East Dunbartonshire Council – Contaminated Land Inspection Officer
GEOLOGY	Geological Features	Number of Regionally Important Geological or Geomorphological Sites (RIGS)	East Dunbartonshire also has 1 RIGS (Regionally Important Geological or Geomorphological Site) at Clachan of Campsie.		2016	UKRIGS, Scottish Natural Heritage, East Dunbartonshire Council	
		Number of sites designated for their geological interest	34 LNCS sites		2016	East Dunbartonshire Council – Natural	

**SOIL AND GEOLOGY**

Objective: To protect and, where appropriate, use high quality and sensitive soils in a sustainable manner and conserve recognised geodiversity assets

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
			<p><b>Corrie Burn</b> Features and Condition – Stratigraphy (lower carboniferous); favourable, recovered Area – 11.5 ha</p> <p><b>Manse Burn</b> Features and Condition – Palaeontology (carboniferous fish/amphibian; )favourable, maintained Area – 1.75 ha</p>		2016	<p>Environment Planning Guidance</p> <p>Scottish Natural Heritage</p>
	Mining/ Quarrying	Evidence of historical mining/quarrying activity	Mines in the west in Baljaffray across East Dunbartonshire to Twechar in the east. Coal was the most common mineral found locally, but limestone and ironstone were also mined extensively.			East Dunbartonshire Council Evidence Report
		Sites with active mining/quarrying activity	Douglasmuir Quarry, Milngavie – sand and gravel, silica sand Inchbelle Quarry, Kirkintilloch – sand and gravel			

LANDSCAPE						
Objective: To protect and, where appropriate, restore landscape character, local distinctiveness and scenic value						
SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
CHARACTERISTICS	Land Use Characteristics	Divide of land use types	Drumlin Foothills; Rolling Farmland; Broad Valley Lowland; Rugged Moorland Hills; and urban areas.		1999	Glasgow & Clyde Valley Landscape Character Assessment
		Topography	The topography of East Dunbartonshire is generally low lying, undulating land with the exception of two of the Local Landscape Areas; the Campsie Fells and the Kilpatrick Hills to the North and West of the district respectively.			East Dunbartonshire Council
	Urban Land	Total authority area	20,172 hectares (77 square miles)		2016	East Dunbartonshire Council
	Local Landscape Areas	Local Landscape Areas (LLA) in East Dunbartonshire	There are a number of LLA within East Dunbartonshire including the Campsie Fells, Badenheath and Kilpatrick Hills.		2016	East Dunbartonshire Council
	Open Space	Area of urban greenspace	East Dunbartonshire has a total of 973.46 hectares of urban open space; the greatest proportion of which is classified as semi-natural greenspace and Regional Greenspace		2013/14	East Dunbartonshire Council/Ironside Farrah (Open Space Strategy)
	Greenbelt	Area of land classified as greenbelt	The green belt is defined in the Development Plan and covers the entire area of East Dunbartonshire, with the exception of the upland and urban areas; its objectives include maintaining the character and distinctiveness of the area's settlements.		2016	East Dunbartonshire Council
BROWNFIELD	Vacant and Derelict Land	Number of VDL sites	There are currently 27 sites of Vacant and Derelict Land within East Dunbartonshire with a total area of 76.09 hectares.		2017	Vacant and Derelict Land Survey 2017 – Site Register (East Dunbartonshire)

**LANDSCAPE**

Objective: To protect and, where appropriate, restore landscape character, local distinctiveness and scenic value

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
						Council/Scottish Government)

**WATER QUALITY**

Objective: To prevent deterioration and, where possible, enhance the ecological status of water bodies

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
WATER QUALITY	Rivers	Water body quality (SEPA classification)	<ul style="list-style-type: none"> <li>• River Carron – good classification (improved from previous year)</li> <li>• River Kelvin (Glazert Water to Tidal Limit – poor classification (degraded from previous year)</li> <li>• River Kelvin (Kelvinhead to Glazert) – bad classification (degraded from previous year)</li> <li>• Allander Water – moderate classification (degraded from previous year)</li> <li>• Craigmaddie Burn – good classification (no change from previous year)</li> <li>• Luggie Water (Kelvin to Mollins Burn) – moderate classification (no change from previous year)</li> <li>• Bothlin Burn (Garnkirk Burn to Luggie confluence) – moderate classification (no change from previous year)</li> <li>• Glazert Water/Finglen Burn – poor classification (degraded from previous year)</li> <li>• Kirk Burn – moderate classification (no change from previous year)</li> <li>• Garrel Burn – poor classification (degraded from previous year)</li> <li>• Forth and Clyde Canal (Mountblow to Maryhill and Glasgow Branch to Kirkintilloch) – good classification (degraded from previous year)</li> <li>• Stand Burn/Park Burn – poor classification (degraded from previous year)</li> </ul>		24 <sup>th</sup> January 2018	Scottish Environment Protection Agency Water Body Classification mapping

## WATER QUALITY

Objective: To prevent deterioration and, where possible, enhance the ecological status of water bodies

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
			<ul style="list-style-type: none"> <li>• Luggie Water (u/s Mollins Burn) – good classification (improved from previous year)</li> <li>• Forth and Clyde Canal (Kirkintilloch to Kelvinhead) – good classification (degraded from previous year)</li> <li>• Board Burn – moderate classification (no change from previous year)</li> </ul>			
	Standing Waters	Standing waters (reservoirs, dams, lochs) in East Dunbartonshire	Mugdock Reservoir Craigmaddie Reservoir Alloch Dam Woodburn Reservoir Antermony Loch Dougalston Loch Bardowie Loch		2016	Scottish Natural Heritage – Standing Waters Database
	Groundwater	Groundwater quality in East Dunbartonshire	The groundwater sources applicable to East Dunbartonshire: Clydebank: good Kilpatrick: good Lennoxton: poor Denny: poor Carron and Touch: good Campsie: good Kirkintilloch: poor Glasgow and Motherwell: poor Kelvin Sand and Gravel: good Clydebank Sand and Gravel: good		24 <sup>th</sup> January 2018	Scottish Environment Protection Agency (Scotland's Environment Web)
	Drinking Water	Public Water Supply Quality	Total number of tests carried out (all parameters) – 13,021 Total number of fails – 14 (10.75%) Number of zones within failures – 8 Mean zonal compliance – 89.25%		16 March 2018	Drinking Water Quality in Scotland 2016 Annual Report by the Drinking Water Quality Regulator for Scotland

**WATER QUALITY**

Objective: To prevent deterioration and, where possible, enhance the ecological status of water bodies

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
		Private Water Supply Quality	Number of Type A tests (all parameters) – 11 Number of Type A fails (all parameters) – 0 (0%) Total compliance (Type A) – 100% Number of Type B tests (all parameters) – 8 Number of Type B fails (all parameters) – 3 (37.5%) Total compliance (Type B) – 62.5%		16 March 2018	Drinking Water Quality in Scotland 2016 Annual Report by the Drinking Water Quality Regulator for Scotland



**AIR QUALITY**

Objective: To prevent deterioration and, where possible, enhance air quality

SEA Topic	Sub-topic	Description	Data (current)				Scottish National Average Comparison	Last Updated	Source
AIR QUALITY	Air Quality Management Areas (AQMAS)	Number of AQMAS	2 AQMAS: Bishopbriggs Cross Bearsden Cross					2018	East Dunbartonshire Council
		Meeting NO <sub>2</sub> objectives for East Dunbartonshire?	Monitoring Station	Objective NO <sub>2</sub> concentration	Annual average NO <sub>2</sub> concentration (2012)	Annual average NO <sub>2</sub> concentration (2016)		24 <sup>th</sup> January 2018	East Dunbartonshire Council – Air Quality Monitoring Report 2017
	Bearsden Cross		40 µg/m <sup>3</sup>	41.42 µg/m <sup>3</sup>	46 µg/m <sup>3</sup>				
	Bishopbriggs Cross		40 µg/m <sup>3</sup>	30 µg/m <sup>3</sup>	29 µg/m <sup>3</sup>				
	Kirkintilloch - Townhead		40 µg/m <sup>3</sup>	34 µg/m <sup>3</sup>	34 µg/m <sup>3</sup>				
	Milngavie – Main Street		40 µg/m <sup>3</sup>	25 µg/m <sup>3</sup>	22 µg/m <sup>3</sup>				
	Meeting PM <sub>10</sub> objectives for East Dunbartonshire?	Monitoring Station	Objective PM <sub>10</sub> concentration	Annual average PM <sub>10</sub> concentration (2012)	Annual average PM <sub>10</sub> concentration (2016)		24 <sup>th</sup> January 2018	East Dunbartonshire Council – Air Quality Monitoring Report 2017	
		Bearsden Cross	18 µg/m <sup>3</sup>	Data found to be erroneous (20 µg/m <sup>3</sup> in 2011)	14 µg/m <sup>3</sup>				
		Bishopbriggs Cross	18 µg/m <sup>3</sup>	15 µg/m <sup>3</sup>	15 µg/m <sup>3</sup>				
		Kirkintilloch – Townhead	18 µg/m <sup>3</sup>	18 µg/m <sup>3</sup>	16 µg/m <sup>3</sup>				
Milngavie – Main Street		18 µg/m <sup>3</sup>	14 µg/m <sup>3</sup>	13 µg/m <sup>3</sup>					

**CLIMATIC FACTORS**

contribute towards the reduction of Scottish greenhouse gas outputs in line with Government targets and; To reduce or prevent the overall effects of climate change

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
GREENHOUSE GAS EMISSIONS	CO <sub>2</sub>	Total CO <sub>2</sub> emissions from the industrial and commercial sector	96.8 ktCO <sub>2</sub>		2015	Scottish Government UK local authority and regional carbon dioxide emissions national statistics: 2015
		Total CO <sub>2</sub> emissions from the domestic sector	208.4 ktCO <sub>2</sub>			
		Total CO <sub>2</sub> emissions from transport	144.3 ktCO <sub>2</sub>			
FLOODING	Flood Risk	Location of flood risk areas (as identified in the SEPA Flood Risk maps)	The whole of East Dunbartonshire is classified as a Potentially Vulnerable Areas. The Forth and Clyde Canal and Glazert Water, specifically, are at a high risk of flooding.		2015	Scottish Environment Protection Agency – Flood Risk Maps
RENEWABLE ENERGY	Opportunities	Number of planning applications for wind turbines (small and large scale)	0		2016	East Dunbartonshire Council
	Existing Renewable Energy Installations	Number of existing renewable energy installations and type owned by East Dunbartonshire Council	<p>All new-build primary schools, Hillhead Community Enterprise Centre and Lennoxtown Hub have biomass installed. This is driven by the Council's commitment to the Carbon Reduction Commitment (CRC) Scheme as a mandatory UK scheme aimed at improving energy efficiency and cutting CO<sub>2</sub> emissions in large public and private sector organisations.</p> <p>The Council's Corporate Asset Management Plan (CAMP) also sets future aspirations to introduce biomass and solar PV in all new asset projects and retrofit where budgets permit as a minimum.</p>		2016	<p>East Dunbartonshire Council</p> <p>EDC Corporate Asset Management Plan</p>

**CLIMATIC FACTORS**

contribute towards the reduction of Scottish greenhouse gas outputs in line with Government targets and; To reduce or prevent the overall effects of climate change

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
			In 2016/17 new biomass systems were installed at Balmuildy Primary, St Mathew's Primary, Wester Cleddens Primary, Lenzie Meadow, and Lairdsland Primary.			

**MATERIAL ASSETS**

Objective: To promote the sustainability of community assets in East Dunbartonshire

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
TRANSPORT INFRASTRUCTURE	Road Networks	Total distance of A class roads	54km		2015	East Dunbartonshire Council
		Total distance of B class roads	47km			
		Total distance of C class roads	34km			
		Total distance of unclassified roads	369km			
	Active Travel	Number of bicycles available for private use by households	No bicycle – 57% One bicycle – 17% Two or more bicycles – 26%		2015/16	SPT – Transport Outcome Report 2017/18
		Frequency of walking in past week as a means of transport (adults 16+)	None – 31% 1-2 days – 18% 3-5 days – 34% 6-7 days – 17%		2014	SPT – Transport Outcome Report 2017/18
	Travel Modes	Main mode of travel	Active Travel – 13% Public Transport – 16% Car – 66% Other – 5%	Active Travel – 23% Public Transport – 11% Car – 64% Other – 2%		SPT – Transport Outcomes Report 2017/18
	Bus Use	Bus mileage	Approx. 350,000 miles (supported) Approx. 1,800,000 miles (commercial)		2016/17	SPT – Transport Outcomes Report 2017/18
		Use of local bus services (adults 16+ living in East Dunbartonshire)	Every day or almost every day – 9% 2 or 3 times per week – 12% About once a week – 8% About once a fortnight, or once a month – 12%		2015	SPT – Transport Outcomes Report 2017/18

**MATERIAL ASSETS**

Objective: To promote the sustainability of community assets in East Dunbartonshire

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source	
			Not used in past month – 60%				
		MyBus passengers by age	59 years or younger – 14% 60-69 – 4% 70-79 – 15% 80+ - 67%		2016/17	SPT – Transport Outcomes Report 2017/18	
		MyBus passengers by journey purpose	Healthcare: 3% Social/visiting: 28% Shopping: 54% Personal business: 8% Culture/leisure/sport: 6% Other: 1%		2016/17	SPT – Transport Outcomes Report 2017/18	
		MyBus passengers by urban-rural characteristics of an area of residence	Urban: 91% Accessible small town: 6% Accessible rural: 3%		2016/17	SPT – Transport Outcomes Report 2017/18	
	Rail Use	Patronage at EDC rail stations	Train Station	Station entries and exits (approx.)		2016	SPT – Transport Outcomes Report 2017/18
				2014/15	2015/16		
			Bearsden	552000	550000		
			Bishopbriggs	800000	775000		
			Hillfoot	320000	300000		
			Lenzie	800000	790000		
			Milngavie	1000000	995000		
	Westerton	690000	700000				
NET WO RKS	Rights of Way	Number of Rights of Way paths of the highest classification	99		2015	Scotways/East Dunbartonshire Council	

**MATERIAL ASSETS**

Objective: To promote the sustainability of community assets in East Dunbartonshire

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source	
	Heritage Paths	Number of Rights of Way paths classified as 'other' (seized use, partially built on or overgrown)	82		2015	Scotways/East Dunbartonshire Council	
		Number of Scotways Heritage Paths	8		2015	Scotways/East Dunbartonshire Council	
		Number of other Heritage Paths designated by East Dunbartonshire Council	2		2015	East Dunbartonshire Council	
	Cycle Networks	National Cycle Networks	Route 754 along the Forth and Clyde Canal from Edinburgh to Bowling			2018	Sustrans
		Cycle networks not on the National Cycle Network	Route 755 Kelvin Way Strathkelvin Railway Path Various local cycle routes (both on-road and off-road)			2018	Sustrans
	WASTE	Waste Sites	Landfill	Inchbelle Farm – closed Mavis Valley Landfill – closed Mavis Valley Landfill and Inchebelle Farm Landfill are monitored for gas and leachate by the Council's waste service.		22 March 2018	East Dunbartonshire Council Waste Services
Transfer Station			Mavis Valley, Bishopbriggs – operational Centurion Works, Bishopbriggs – operational Bankell Farm, Milngavie – operational				
Civil Amenity			Mavis Valley, Bishopbriggs – operational				
Metal Recycler			General Autos, Kirkintilloch – operational				
Composting			Buckley Farm, nr. Bonded Warehouses – operational				
Other Treatment			Broomhill Depot, Kirkintilloch – operational Four Arches, Croy – operational				

**MATERIAL ASSETS**

Objective: To promote the sustainability of community assets in East Dunbartonshire

SEA Topic	Sub-topic	Description	Data (current)	Scottish National Average Comparison	Last Updated	Source
		Total waste landfilled	Total: 24511.13 tonnes Household: 22926.56 tonnes Commercial: 1584.57 tonnes		April 2016 – March 2017	East Dunbartonshire Council Waste Services
	Waste Production	Total waste	60198.79 tonnes			
		Household waste	56036.57 tonnes		April 2016 – March 2017	East Dunbartonshire Council Waste Services
		Commercial waste	4162.22 tonnes			
	Recycling	Total waste recycled	Total: 21250.56 tonnes Household: 20671.14 tonnes Commercial: 1584.57 tonnes		April 2016 – March 2017	East Dunbartonshire Council Waste Services
	Composting	Total waste composted	Total: 14427.1 tonnes Household: 12438.87 tonnes Commercial: 1998.23 tonnes		April 2016 – March 2017	East Dunbartonshire Council Waste Services

APPENDIX A

FULL LIST OF EAST DUNBARTONSHIRE COUNCIL LBAP PROTECTED AND PRIORITY SPECIES					
Common Name	Scientific Name	Scottish Biodiversity List	UK BAP	Legal Protection	Relevant Ecosystem Plan (LBAP)
<b>Mammals</b>					
Badger	<i>Meles meles</i>			PBA 1992 WCA 1981 (Schedule 6)	Rural/ Woodland
Brown Long-eared Bat	<i>Plecotus auritus</i>	✓		HR 1994 (Schedule 2)	Rural/ Woodland
Common Pipistrelle Bat	<i>Pipistrellus pipistrellus</i>	✓	✓	HR 1994 (Schedule 2)	Rural/ Woodland
Daubenton's Bat	<i>Myotis daubentonii</i>	✓		HR 1994 (Schedule 2)	Rural/ Woodland/Freshwater
Mountain Hare	<i>Lepus timidus</i>	✓		HR 1994 (Schedule 3)	Rural
Otter	<i>Lutra lutra</i>	✓	✓	HR 1994 (Schedule 2)	Freshwater
Pine Marten	<i>Martes martes</i>	✓	✓	HR 1994 (Schedule 3)	Woodland
Soprano Pipistrelle Bat	<i>Pipistrellus pygmaeus</i>	✓	✓	HR 1994 (Schedule 2)	Rural/ Woodland
Water Vole	<i>Arvicola amphibius</i>	✓	✓	WCA 1981 (Schedule 5)	Freshwater
<b>Birds</b>					
Black Grouse (Red Bird of Conservation Concern)	<i>Tetrae tetrix</i>	✓	✓		Woodland
House Sparrow (Red Bird of Conservation Concern)	<i>Passer domesticus</i>	✓	✓		Urban
Kingfisher (Amber Bird of Conservation Concern)	<i>Alcedo atthis</i>	✓		WCA 1981 (Schedule 1 – Part 1)	Freshwater
Pink-footed Goose (Amber Bird of Conservation Concern)	<i>Anser brachyrhynchus</i>			WCA 1981 (Schedule 2)	Rural
Reed Bunting (Amber Bird of Conservation Concern)	<i>Emberiza schoeniclus</i>	✓	✓	WCA 1981 (Schedule 3 – Part 1)	Rural
Skylark (Red Bird of Conservation Concern)	<i>Alauda arvensis</i>	✓	✓		Rural
Swift (Amber Bird of Conservation Concern)	<i>Apus apus</i>	✓			Urban



FULL LIST OF EAST DUNBARTONSHIRE COUNCIL LBAP PROTECTED AND PRIORITY SPECIES

Common Name	Scientific Name	Scottish Biodiversity List	UK BAP	Legal Protection	Relevant Ecosystem Plan (LBAP)
Tree Sparrow (Red Bird of Conservation Concern)	<i>Passer montanus</i>	✓	✓		Rural
<b>Amphibians</b>					
Great Crested Newt	<i>Triturus cristatus</i>	✓	✓	HR 1994 (Schedule 2)	Freshwater
<b>Fish</b>					
Atlantic Salmon	<i>Salmo salar</i>	✓		HR 1994 (Schedule 3)	Freshwater
Brown Trout	<i>Salmo trutta</i>		✓		Freshwater
<b>Invertebrates</b>					
Azure Damselfly	<i>Coenagrion puella</i>				Freshwater
Black Darter dragonfly	<i>Sympetrum danae</i>				Freshwater
Blue-tailed Damselfly	<i>Ischnura elegans</i>				Freshwater
Buff-Tailed Bumblebee	<i>Bombus terrestris</i>				Rural/ Urban
Common Carder Bumblebee	<i>Bombus pascuorum</i>				Rural/ Urban
Common Blue Damselfly	<i>Enallagma cyathigerum</i>				Freshwater
Common Darter dragonfly	<i>Sympetrum striolatum</i>				Freshwater
Common Hawker dragonfly	<i>Aeshna juncea</i>				Freshwater
Early Bumblebee	<i>Bombus pratorum</i>				Rural/ Urban
Emerald Damselfly	<i>Lestes sponsa</i>				Freshwater
Four-spotted Chaser dragonfly	<i>Libellula quadrimaculata</i>				Freshwater
Golden-ringed Dragonfly	<i>Cordulegaster boltonii</i>				Freshwater
Green Hairstreak butterfly	<i>Callophrys rubi</i>				Rural
Large Red Damselfly	<i>Pyrrhosoma nymphula</i>				Freshwater
Large Red Tailed Bumblebee	<i>Bombus lapidaries</i>				Rural/ Urban
Pond Mud Snail	<i>Omphiscola glabra</i>	✓			Freshwater

FULL LIST OF EAST DUNBARTONSHIRE COUNCIL LBAP PROTECTED AND PRIORITY SPECIES					
Common Name	Scientific Name	Scottish Biodiversity List	UK BAP	Legal Protection	Relevant Ecosystem Plan (LBAP)
Small Garden Bumblebee	<i>Bombus hortorum</i>				Rural/ Urban
Small Pearl-bordered Fritillary butterfly	<i>Boloria selene</i>	✓	✓		Rural
White-Tailed Bumblebee	<i>Bombus lucorum</i>				Rural/ Urban
<b>Plants</b>					
Adder's Tongue Fern	<i>Ophioglossum vulgatum</i>				Rural
Bluebell	<i>Hyacinthoides non-scripta</i>	✓		WCA 1981 (Schedule 8)	Woodland
Bog-rosemary	<i>Andromeda polifolia</i>				Freshwater
Greater Butterfly Orchid	<i>Platanthera chlotantha</i>	✓			Rural
Round-leaved Sundew	<i>Drosera rotundifolia</i>				Freshwater
Tufted Loosestrife	<i>Lysimachia thyrsiflora</i>				Freshwater

ADDITIONAL LBAP SPECIES OF CONSERVATION CONCERN					
Common Name	Scientific Name	Scottish Biodiversity List	UK BAP	Legal Protection	Relevant Ecosystem Plan (LBAP)
<b>Mammals</b>					
Brown Hare	<i>Lepus europaeus</i>	✓	✓		Rural
Common Shrew	<i>Sorex araneus</i>			WCA (Schedule 6)	Rural
Hedgehog	<i>Erinaceus europaeus</i>	✓	✓	WCA (Schedule 6)	Urban
Water Shrew	<i>Neomys fodiens</i>			WCA (Schedule 6)	Rural/ Freshwater
<b>Birds</b>					
Barn Owl	<i>Tyto alba</i>			WCA 1981 (Schedule 1 – Part 1 and Schedule 3 – Part 1)	Rural
Bullfinch (Amber Bird of Conservation Concern)	<i>Pyrrhula pyrrhula</i>	✓	✓	WCA 1981 (Schedule 3 – Part 1)	Rural/ Woodland
Curlew (Red Bird of Conservation Concern)	<i>Numenius arquata</i>	✓			Rural
Dipper (Amber Bird of Conservation Concern)	<i>Cinclus cinclus</i>				Freshwater
Grasshopper Warbler (Red Bird of Conservation Concern)	<i>Locustella naevia</i>	✓	✓		Woodland

**ADDITIONAL LBAP SPECIES OF CONSERVATION CONCERN**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Scottish Biodiversity List</b>	<b>UK BAP</b>	<b>Legal Protection</b>	<b>Relevant Ecosystem Plan (LBAP)</b>
Great Spotted Woodpecker	<i>Dendrocopos major</i>				Woodland
Green Woodpecker	<i>Picus viridis</i>				Woodland
Grey partridge (Red Bird of Conservation Concern)	<i>Perdix perdix</i>	✓	✓		Rural
Greylag Goose (Amber Bird of Conservation Concern)	<i>Anser anser</i>			WCA 1981 (Schedule 2)	Rural
Hen Harrier (Red Bird of Conservation Concern)	<i>Circus cyaneus</i>	✓		WCA 1981 (Schedule 1 –Part 1 and Schedule 1A)	Rural
House Martin (Amber Bird of Conservation Concern)	<i>Delichon urbica</i>				Urban
Kestrel (Amber Bird of Conservation Concern)	<i>Falco tinnunculus</i>	✓			Rural
Lapwing (Red Bird of Conservation Concern)	<i>Vanellus vanellus</i>	✓			Rural
Lesser Redpoll (Red Bird of Conservation Concern)	<i>Carduelis cabaret</i>	✓	✓		Rural
Linnet (Red Bird of Conservation Concern)	<i>Carduelis cannabina</i>	✓	✓	WCA 1981 (Schedule 3 – Part 1)	Rural
Merlin (Red Bird of Conservation Concern)	<i>Falco columbarius</i>	✓		WCA 1981 (Schedule 1 – Part 1 and Schedule 4)	Rural
Peregrine	<i>Falco peregrinus</i>	✓		WCA 1981 (Schedule 1 – Part 1 and Schedule 4)	Rural
Short-eared Owl (Amber Bird of Conservation Concern)	<i>Asio flammeus</i>	✓			Rural

**ADDITIONAL LBAP SPECIES OF CONSERVATION CONCERN**

<b>Common Name</b>	<b>Scientific Name</b>	<b>Scottish Biodiversity List</b>	<b>UK BAP</b>	<b>Legal Protection</b>	<b>Relevant Ecosystem Plan (LBAP)</b>
Snipe (Amber Bird of Conservation Concern)	<i>Gallinago gallinago</i>			WCA 1981 (Schedule 2 and Schedule 3 Part 3)	Rural
Song Thrush (Red Bird of Conservation Concern)	<i>Turdus philomelos</i>	✓		WCA 1981 (Schedule 3 – Part 1)	Urban
Spotted Flycatcher (Red Bird of Conservation Concern)	<i>Muscicapa striata</i>	✓	✓		Rural
Swallow	<i>Hirundo rustica</i>				Rural/ Urban
Tree Pipit (Red Bird of Conservation Concern)	<i>Anthus trivialis</i>		✓		Rural
Twite (Red Bird of Conservation Concern)	<i>Carduelis flavirostris</i>			WCA 1981 (Schedule 3 – Part 1)	Rural
Wigeon (Amber Bird of Conservation Concern)	<i>Anas penelope</i>			WCA 1981 (Schedule 2 and Schedule 3 Part 3)	Freshwater
Woodcock (Red Bird of Conservation Concern)	<i>Scolopax rusticola</i>	✓		WCA 1981 (Schedule 2 and Schedule 3 Part 3)	Rural/ Woodland
Yellowhammer (Red Bird of Conservation Concern)	<i>Emberiza citrinella</i>	✓	✓	WCA 1981 (Schedule 3 Part 1)	Rural
<b>Amphibians</b>					
Common Frog	<i>Rana temporaria</i>			WCA 1981 (Schedule 5)	Freshwater
Common Toad	<i>Bufo bufo</i>	✓		WCA 1981 (Schedule 5)	Freshwater
Palmate Newt	<i>Triturus helveticus</i>			WCA 1981 (Schedule 5)	Freshwater
Smooth Newt	<i>Triturus vulgaris</i>			WCA 1981 (Schedule 5)	Freshwater
<b>Fish</b>					
Brook Lamprey	<i>Lampetra planeri</i>	✓			Freshwater
<b>Plants</b>					
Globeflower	<i>Trollius europaeus</i>				Rural/ Woodland

