

A303 Amesbury to Berwick Down

TR010025

6.3 Environmental Statement Appendices

Appendix 8.23 Summary of non-significant effects
for construction and operation

APFP Regulation 5(2)(a)

Planning Act 2008

Infrastructure Planning (Applications: Prescribed
Forms and Procedure) Regulations 2009

October 2018



Table 1: Summary of non-significant effects for construction and operation 1

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Important Feature	Importance	Potential Impact	Construction / Operation	Embedded Mitigation	Residual Significance of Effect	Confidence of assessment
River Avon SAC	International	Habitat degradation	Construction and operation	Pollution prevention measures detailed in the Outline Environmental Management Plan (OEMP). Design of the River Till viaduct. Drainage design that will include provision of appropriate measures for treatment of surface water to mitigate pollution to notably higher standards than at present.	Neutral	Near certain
		Disturbance of Annex II species	Construction	Restriction of light spill, working practices and low vibration piling method as detailed in the OEMP.	Neutral	Near certain
Salisbury Plain SAC	International	Habitat degradation and modification	Construction and operation	Pollution prevention measures within the OEMP. Conversion to chalk grassland will remove an existing area from agricultural nitrogen fertilisation and prevent runoff or leaching into Parsonage Down.	Neutral	Near certain
Salisbury Plain SPA	International	Habitat loss of a supporting population of stone curlew	Construction	Implementation of design measures (creation of new breeding plots).	Neutral	Near certain
		Disturbance of a supporting population of stone curlew	Construction and operation	Avoidance and deterrence measures as detailed in the OEMP.	Neutral	Near certain
River Avon System SSSI	National	Habitat degradation	Construction	Pollution prevention measures as detailed in the OEMP.	Neutral	Near certain
		Disturbance	Construction	Restriction of light spill as detailed in the OEMP.	Neutral	Near certain
River Till SSSI	National	Habitat degradation	Construction	Pollution prevention measures as detailed in the OEMP. Design of the River Till viaduct.	Neutral	Near certain
		Fragmentation	Construction	Design of the River Till viaduct.	Neutral	Near certain
		Disturbance	Construction	Low vibration piling method detailed in the OEMP. Restriction of light spill detailed in the OEMP. Working practices detailed in the OEMP.	Neutral	Near certain
Yarnbury Castle SSSI	National	Habitat degradation	Operation	None		Near certain
Parsonage Down NNR (outside	Site	Habitat loss (and gain)	Construction	Reversion of arable land to chalk grassland in non-SSSI part of NNR.	Neutral	Near certain

SSSI/SAC boundary)						
Parsonage Down SSSI	National	Habitat degradation	Construction and operation	Pollution prevention measures detailed in the OEMP. Conversion to chalk grassland south and east of the SSSI will remove indirect effects of adjacent arable from the margins of Parsonage Down.	Neutral	Near certain
		Habitat modification	Construction	Replacement stone curlew plot in Parsonage Down, conversion of closed sward grassland to early succession with bare ground	Neutral	Near certain
Parsonage Down CWS	Site	Habitat loss	Construction	Reversion of arable land to chalk grassland.	Slight beneficial	Near certain
Luxenborough Banks CWS	County	Habitat improvement	Operation	Conversion of part of the existing A303 to a byway and associated chalk grassland habitat.	Slight beneficial	Near certain
Countess Swamp CWS	County	Habitat degradation	Operation	Pollution prevention measures detailed in the OEMP.	Neutral	Near certain
Stonehenge Down CWS	County	Habitat improvement	Operation	Conversion of part of the existing A303 to a byway and associated chalk grassland habitat.	Slight beneficial	Near certain
Normanton Down RSPB Reserve	County	Disturbance of stone curlew	Operation	Avoidance and deterrence measures detailed in the OEMP.	Neutral	Near certain
Semi-natural woodland	Local	Habitat loss	Construction	Habitat creation in the soft estate detailed in the Environmental Masterplan, new woodland classed in broadleaved plantation below.	Neutral	Near certain
Plantation woodland	Site	Habitat loss (and gain)	Construction	Habitat creation in the soft estate detailed in the Environmental Masterplan and OEMP.	Slight beneficial	Near certain
Scrub	Site	Habitat loss (and gain)	Construction	Habitat creation in the soft estate detailed in the Environmental Masterplan and OEMP.	Slight beneficial	Near certain
Scattered trees	Site	Habitat loss (and gain)	Construction	Habitat creation within the soft estate detailed in the Environmental Masterplan and OEMP.	Neutral	Near certain
Semi-improved grassland	Site - Local	Habitat gain and slight loss	Construction	Temporary loss in Till valley and loss to viaduct supports. Habitat creation in the soft estate detailed in the Environmental Masterplan and OEMP, calcareous grassland on cuttings, green bridge, East Parsonage Down, road verges, grassland adjacent to A303 byway and other rights of way.	Neutral - Slight beneficial	Near certain
Improved grassland	Site	Habitat loss (and gain)	Construction	Habitat creation in the soft estate detailed in the Environmental Masterplan and OEMP. Conversion of grass ley to calcareous grassland, also managed road	Neutral	Near certain

				verges.		
Marginal inundation vegetation	Local	Habitat degradation	Construction	Pollution prevention measures detailed in the OEMP.	Neutral	Near certain
Running water (River Till)	County	Habitat degradation	Construction	Pollution prevention measures detailed in the OEMP. Design of the River Till viaduct.	Neutral	Near certain
Arable	Site - County	Habitat loss	Construction	Measures detailed in the OEMP for soil management and scarce arable flora.	Neutral	Near certain
Hedgerows	Site	Habitat loss	Construction	Habitat creation in the soft estate detailed in the Environmental Masterplan and OEMP.	Neutral	Near certain
Lichen	Site - National	Habitat degradation	Construction	Pollution prevention measures detailed in the OEMP.	Neutral	Near certain
Aquatic macro-invertebrates	Site - County	Habitat degradation	Construction and operation	Pollution prevention measures detailed in the OEMP. Drainage design that will include provision of appropriate measures for treatment of surface water to mitigate pollution to notably higher standards than at present.	Neutral	Near certain
Desmoulin's whorl snail	National	Habitat degradation	Construction and operation	Pollution prevention measures detailed in the OEMP. Drainage design that will include provision of appropriate measures for treatment of surface water to mitigate pollution to notably higher standards than at present.	Neutral	Near certain
Fish	County - National	Habitat degradation	Construction and operation	Pollution prevention measures detailed in the OEMP. Drainage design that will include provision of appropriate measures for treatment of surface water to mitigate pollution to notably higher standards than at present.	Neutral	Near certain
		Disturbance	Construction	Suitable working practices detailed in the OEMP.	Neutral	Near certain
Terrestrial invertebrates	Local - Regional	Habitat loss	Construction	Habitat creation of a mosaic of habitats within the soft estate, as detailed in the Environmental Masterplan.	Neutral	Near certain
		Habitat degradation	Construction	Design of the River Till viaduct. Pollution prevention measures detailed in the OEMP.	Neutral	Near certain
		Habitat fragmentation	Construction	Inclusion of the green bridges, conversion of part of the existing A303 to a byway and associated chalk grassland habitat, and habitat creation in the soft estate, detailed in the Environmental Masterplan and OEMP.	Neutral	Near certain
Amphibians	Site - Local	Habitat loss	Construction	Habitat creation of a mosaic of habitats in the soft estate, detailed in the Environmental Masterplan and OEMP.	Neutral	Near certain
		Direct mortality	Construction	Working practices and seasonal constraints detailed in the OEMP.	Neutral	Near certain
		Habitat	Construction	Design of the River Till viaduct.	Neutral	Near certain

		fragmentation		Habitat creation within the soft estate, within the environmental masterplan and OEMP.		
Reptiles	Site - Local	Habitat loss	Construction	Habitat creation of a mosaic of habitats in the soft estate, detailed in the Environmental Masterplan and OEMP. Creation of suitable habitat to the north of Countess Cutting.	Neutral	Near certain
		Direct mortality	Construction	Working practices such as phased clearance methods and seasonal constraints detailed in the OEMP.	Neutral	Near certain
		Habitat fragmentation	Construction	Inclusion of the River Till viaduct. Habitat creation of a mosaic of habitats in the soft estate, detailed in the Environmental Masterplan and OEMP.	Neutral	Near certain
		Habitat degradation	Construction	Habitat creation of a mosaic of habitats in the soft estate, detailed in the Environmental Masterplan and OEMP.	Neutral	Near certain
Breeding and wintering birds	County	Habitat loss	Construction	Habitat creation of a mosaic of habitats in the soft estate, detailed in the Environmental Masterplan and OEMP.	Neutral	Near certain
		Direct mortality	Construction and operation	Working methods and seasonal constraints detailed in the OEMP. Design of planting to deter birds from fly directly into the carriageway.	Neutral	Near certain
		Habitat degradation	Construction and operation	Not applicable	Neutral	Near certain
Barn owl	County	Habitat loss	Construction	Habitat creation of a mosaic of habitats within the soft estate, detailed in the Environmental Masterplan and OEMP.	Neutral	Near certain
		Disturbance	Construction	Working methods detailed in the OEMP.	Neutral	Near certain
		Fragmentation	Construction	Conversion of part of the existing A303 to a byway and associated chalk grassland habitat.	Slight beneficial	Near certain
		Direct mortality	Operation	Conversion of part of the existing A303 to a byway and associated chalk grassland habitat. False cuttings, bunds and design of planting to deter birds from fly directly into the carriageway and management of chalk grassland within the soft estate to deter barn owls foraging close to the live carriageway.	Slight beneficial	Near certain
Stone curlew	National	Habitat loss	Construction	Creation of a new breeding plot within Parsonage Down	Neutral	Near certain
		Disturbance	Construction and operation	Working methods detailed in the OEMP. Provision of new plot.	Neutral	Near certain
Great bustard	National	Habitat loss	Construction	Return to unrestricted agriculture of land required	Neutral	Near certain
		Disturbance	Construction	Working methods outlined in the OEMP.	Neutral	Near certain

				Working restrictions detailed in the OEMP.		
Bats	Local - Regional	Habitat loss	Construction	Habitat creation of a mosaic of habitats in the soft estate, detailed in the Environmental Masterplan and OEMP. Inclusion of bat underground hibernation chambers as detailed in the Environmental Masterplan.	Slight beneficial	Near certain
		Disturbance	Construction	Working methods and restrictions detailed in the OEMP.	Neutral	Near certain
		Habitat fragmentation	Construction	Inclusion of the River Till viaduct, green bridges, a green underbridge. Habitat creation of a mosaic of habitats in the soft estate, detailed in the Environmental Masterplan and OEMP.	Neutral	Near certain
		Direct mortality	Operation	Inclusion of the River Till viaduct, green bridges, an underbridge, false-cutting, bund and planting to help direct flight away from the carriageway and the conversion of part of the existing A303 to a byway and associated chalk grassland habitat.	Neutral	Near certain
		Habitat degradation	Operation	Lighting restricted to Countess Junction. Replacement planting near Countess Junction.	Neutral	Near certain
Otter	County	Disturbance	Construction	Good working practices detailed in the OEMP.	Neutral	Near certain
		Habitat degradation	Construction and operation	Pollution prevention measures detailed in the OEMP. Drainage design that will include provision of appropriate measures for treatment of surface water to mitigate pollution to notably higher standards than at present.	Neutral	Near certain
		Direct mortality	Operation	Otter fencing to be installed along the A303 extending both east and west from the River Avon.	Neutral	Near certain
		Fragmentation	Construction	Connectivity maintained along the River Till during construction.	Neutral	Near certain
Water vole	County	Habitat degradation	Construction	Pollution prevention measures detailed in the OEMP.	Neutral	Near certain
Badger	Site	Habitat loss	Construction	All sett closures are to be undertaken under a Natural England badger licence.	Neutral	Near certain
		Direct mortality	Construction and operation	Working practices detailed in the OEMP to protect wildlife. Badger fencing to guide badgers to the badger tunnels.	Neutral	Near certain
		Disturbance	Construction	Working practices detailed in the OEMP to protect wildlife.	Neutral	Near certain
		Fragmentation	Construction	Inclusion of badger tunnels and green bridges as detailed in the Environmental Masterplan and OEMP.	Neutral	Near certain

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