

**Table 16.8: Summary of Effects, Mitigation and Residual Effects**

Ecological Receptor	Description of Effect	Nature of Effect	Significant/ Not Significant	Scale of Effect	Mitigation/ Enhancement	Residual Effects
<b>Construction:</b>						
<b>Statutory Designations</b>						
Oxford Meadows SAC	Hydrological Changes, Air Quality and Invasive Species	Negligible, adverse, short-term, temporary	Not Significant	N/A	N/A	Not Significant
Rushy Meadows SSSI	Hydrological Changes	Negligible, adverse, short-term, temporary	Not Significant	N/A	N/A	Not Significant
Pixey and Yarnton Meads SSSI	Hydrological Changes and Air Quality	Negligible, adverse, short-term, temporary	Not Significant	N/A	N/A	Not Significant
<b>Non-Statutory Designations</b>						
Begbroke LWS	Pollution incidents, dust deposition and surface water run-off of contaminants	Slight, adverse, medium-term, temporary	Significant	District	Construction works to accord with approved CEMP, incorporating: general construction safeguards, pollution prevention measures, and protective fencing for retained habitats.	Not Significant
Frogwelldown Lane DWS						
<b>Habitats</b>						
Veteran Trees	Pollution incidents and dust deposition	Slight, adverse, medium-term, temporary	Significant	District	Construction works to accord with approved CEMP, incorporating: general construction safeguards, pollution prevention measures, and protective fencing for retained habitats.	Not significant
	Soil compaction and accidental damage by machinery	Moderate, adverse, permanent				
Woodland	Pollution incidents and dust deposition	Slight, adverse, medium-term, temporary	Significant	District	Construction works to accord with approved CEMP, incorporating: general construction safeguards, pollution prevention measures, and protective fencing for retained habitats.	Not significant
	Soil compaction and accidental damage by machinery	Moderate, adverse, permanent				

Hedgerows	Pollution incidents and dust deposition	Slight, adverse, medium-term, temporary	Significant	District	Construction works to accord with approved CEMP, incorporating: general construction safeguards, pollution prevention measures, and protective fencing for retained habitats.	Not significant
	Soil compaction and accidental damage by machinery	Moderate, adverse, permanent				
<b>Fauna</b>						
Bats (Roosting)	Disturbance of roosts from lighting/noise	Slight adverse, temporary	Significant	Local	Sensitive lighting scheme	Not significant
Bats (Foraging/ Commuting)	Disturbance from lighting/noise	Slight adverse, temporary	Not Significant	N/A	N/A	Not significant
Birds	Loss of active nests and disturbance to nests	Moderate, adverse, temporary	Significant	Local	Appropriate timing of vegetation clearance/ pre-works check	Not Significant
Amphibians	Harm to individuals	Negligible, adverse, permanent	Not Significant	N/A	N/A	Not significant
Reptiles	Harm to individuals	Moderate, adverse, temporary	Significant	Local	Maintenance of existing management regime. Habitat manipulation exercise and destructive search of suitable habitat within development footprint.	Not significant
<b><u>Operation:</u></b>						
<b>Statutory Designations</b>						
Oxford Meadows SAC	Hydrological Changes, Air Quality and Invasive Species	Slight, adverse, permanent	Not Significant	N/A	N/A	Not Significant
Rushy Meadows SSSI	Recreational Pressure	Slight, adverse, permanent	Not Significant	N/A	N/A	Not Significant
Pixey and Yarnton Meads SSSI	N/A	N/A	N/A	N/A	N/A	N/A
<b>Non-Statutory Designations</b>						
Begbroke LWS	Increased predation of wildlife by cats	Slight, adverse, permanent	Not Significant	N/A	Planting of thorny shrubs, and possible installation of discreet fencing, on boundary of Begbroke Wood to deter	Not Significant

					cats and minimise predation of wildlife. Possible creation of species-rich grassland margin adjacent to Begbroke Wood to enhance the southern woodland edge.	
Frogwelldown Lane DWS	Recreational pressure	Slight, adverse, permanent	Not Significant	N/A	Creation of areas of public open space within development to absorb proportion of increased recreational activity.	Not Significant
Other	N/A	N/A	N/A	N/A	N/A	N/A
<b>Habitats</b>						
Veteran Trees	Cessation of ploughing in root zone of veteran trees and removal of agricultural run-off.	Moderate, positive, permanent	Significant	District	N/A	Significant
Woodland	Recreational pressure	Slight, adverse, permanent	Not Significant	N/A	Creation of community woodland (~7ha) and other woodland planting including copse.	Moderate, positive, permanent, significant
Hedgerows	Reinstatement of historical hedgerows to expand the existing hedgerow network and improve connectivity through the site. Establishment of grassland buffers adjacent to the hedgerows to create an ecotone of greater biodiversity interest than currently exists. Removal of land from arable production such that hedgerows no longer subject to agricultural run-off.	Moderate, positive, permanent	Significant	Local	N/A	Significant
<b>Fauna</b>						
Bats (Roosting)	Disturbance of roosts from lighting/noise	Slight, adverse, long-term	Significant	Local	Sensitive lighting scheme	Not significant
Bats (Foraging/ Commuting)	Planting of diverse native hedgerows, extensive areas of woodland planting and the creation of meadowland to form a diverse green corridor to enhance foraging opportunities and connectivity through the site.	Moderate, positive, permanent	Significant	Local	N/A	Significant
Birds		Slight, positive, permanent	Not Significant	Local	N/A	Not Significant
Reptiles	Planting of diverse native hedgerows, woodland and creation of meadows and SUDs features to form a diverse green	Moderate, positive, permanent	Significant	Local	N/A	Significant

	corridor, enhancing foraging/sheltering opportunities and connectivity.					
Amphibians	Creation of community woodland within 250m of a pond known to support Great Crested Newts.	Slight, positive, permanent	Significant	Local	N/A	Significant