

# Havant Thicket Reservoir Project

## **Environmental Statement Volume 2 – Main Report Chapter 21 Conclusion and Chapter 22 Glossary**

Portsmouth Water Ltd.

03/09/20

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# Notice

This document and its contents have been prepared and are intended as planning information for Portsmouth Water Limited and use in relation to the Havant Thicket Reservoir.

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## Document history

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## Client signoff

|                         |                                  |
|-------------------------|----------------------------------|
| Client                  | Portsmouth Water Ltd.            |
| Project                 | Havant Thicket Reservoir Project |
| Job number              | 5169117                          |
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# Contents

| Chapter                        | Page     |
|--------------------------------|----------|
| <b>21. Conclusion</b>          | <b>4</b> |
| Overview                       | 4        |
| Summary of significant effects | 4        |
| <b>22. Glossary</b>            | <b>7</b> |

# 21. Conclusion

## Overview

- 21.1. This ES supports two outline planning applications, submitted by Portsmouth Water, for a new reservoir at Havant Thicket and a pipeline between the reservoir and Bedhampton pumping station ('The Scheme'). The new reservoir will secure reliable drinking water supplies for decades to come, while maximising the community and environmental benefits of a new raw water reservoir.
- 21.2. The pipeline would transfer water from Bedhampton Springs to fill the reservoir in the winter and draw water off for treatment and supply when needed in the summer. It would also be used for emergency drawdown should the reservoir levels need to be reduced in emergency conditions, in accordance with the Environment Agency (EA) safety guidance.
- 21.3. Complementary to its infrastructure resilience function, the Scheme would provide a new recreational resource adjacent to one of the more deprived areas in south Hampshire which would include a visitor centre, accessible open space, a network of trails linking to the wider area and a new wetland habitat and associated area for nature conservation.
- 21.4. The proximity of the reservoir to the internationally important Chichester and Langstone Harbour means that the new wetland can be used as a safe retreat for roosting birds when there is disturbance in the Harbour Special Protection Area (SPA) and Special Area of Conservation (SAC). The construction of the reservoir will result in substantial reductions in nutrients loads to the harbour.
- 21.5. The design of the reservoir has been environmentally led. It has sought to integrate operational and visitor facilities within the landscape to provide an attractive setting for the Scheme, minimise its visual and environmental impact and maintain the rural character of the site.
- 21.6. The primary purpose of an ES is to gather, assess in a systematic manner and collate information on the anticipated significant effects of a development on the environment in the form of an Environmental Impact Assessment, in order that this information can be properly considered by the planning authority before a decision on the development is made.
- 21.7. The assessment of significant effects has been undertaken in the previous chapters of the ES, and in this chapter the information has been summarised to reflect the overall conclusions of the assessment.
- 21.8. This ES has been prepared within the EIA procedure to accompany the planning applications. It outlines the Scheme, the likely significant environmental effects and any mitigation proposals necessary to reduce adverse effects.

## Summary of significant effects

- 21.9. With the implementation of mitigation measures that are outlined within the topic chapters (and detailed in Appendix A2.1 OEMP of the ES Volume 4), the residual effects on the environment from the construction and operation of the reservoir would be reduced and in most cases would not be significant.
- 21.10. During construction and operation of the pipeline, this ES has identified that there would be no significant effects following successful implementation of mitigation measures identified in the OEMP (as defined in Appendix A2.1 in Volume 4).

## Significant adverse effects

- 21.11. The table below details those effects during construction and/or operation, which remain significant following the application of mitigation.

**Table 6.1 Significant effects**

| Topic                | Effect                                                                                                                                                                                                                                                                                                                                                                                                     | Details                                                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Historic Environment | The reservoir construction and operation would result in an adverse significant effect on two heritage assets: the high value Grade II* RPG at Leigh Park (NHLE 1000112) and the medium value Sir George Staunton Conservation Area.                                                                                                                                                                       | This effect would be offset to some degree through interpretation and enhancement measures reflecting the significance and development of the RPG. |
| Biodiversity         | Significant residual adverse effects of the Scheme at a regional and county level as a result of the direct loss of ancient woodland, habitat within SINCs, priority habitat and watercourse.                                                                                                                                                                                                              | While suitable compensation will be undertaken, this would still constitute loss of irreplaceable habitat for ancient woodland and veteran trees.  |
| Water                | <p>During construction upon successful implementation of mitigation measures identified in the REAC as part of the OEMP in Appendix 2.1 of the ES, there would be residual adverse significant effects associated on aquatic habitats, habitat connectivity and geomorphology.</p> <p>There is a potential for deterioration for Hermitage Stream WFD waterbody as a result of reservoir construction.</p> | These are associated with the loss of 3.7 km of headwater stream habitats being lost and permanent change to the outline of superficial aquifers.  |

## Significant beneficial effects

- 21.12. The Scheme's primary purpose is to protect the nationally designated River Test and internationally designated River Itchen by providing an alternative, low impact, reliable and naturally maintained future water supply, which will ensure the continued viability of communities in West Sussex and Hampshire that already suffer from 'serious water stress'.
- 21.13. In addition, it would provide significant new green infrastructure and an accessible recreational facility and wildlife area next door to one of the more deprived areas in south east Hampshire, generating substantial health (physical and mental), educational, social and quality of life benefits by encouraging outdoor activity and connecting people to nature.
- 21.14. The reservoir would also result in the creation of a mosaic of new and high-quality habitats, including a new wetland, enhance land and environment management for biodiversity on the wider site through collaboration with Forestry England and Hampshire County Council, and restore and create off-site high biodiversity value habitats through partnership with the Hampshire and Isle of Wight Wildlife Trust, including landscape scale benefits for Bechstein's bat.
- 21.15. The benefits of the construction and operation of the reservoir and pipeline, which have been identified and assessed as significant within this ES, are summarised as follows:
- Benefits are associated with the presence of a reservoir, including provision of new wetland habitat and creation of new open water habitat. Upon successful implementation of the Outline Biodiversity Mitigation and Compensation Plan, there will be further benefits to the flow regime and productivity in the downstream Riders Lane Stream and Hermitage Stream as a result of a more consistent flow regime and more consistent water quality inputs.

- There is also a substantial benefit to the downstream Langstone Harbour SAC SPA SSSI Ramsar in terms of nitrogen load. This is a result of the diversion of nitrogen rich spring water from the estuary into the reservoir. The benefit will be very large during reservoir filling after which the benefits will vary seasonally.
- The reservoir would result in the creation of new habitats of ecological value, particularly the wetland along the northern edge of the reservoir. It is considered likely that habitats of at least County value would establish. A number of reservoirs have been recognised for their national or even international ornithological interest so greater value is possible.
- Significant beneficial effects on the local population during construction of the Scheme would be derived from support to the local supply chain and the creation of employment opportunities. This could provide financial security and contribute to self-esteem, particularly for low-income groups in the area.
- The improvement in open space provision in an area accessible to local users will support health and outdoor recreation, help instill a sense of place and enhance nature. All facilities proposed have been designed to engage families, schools and community groups in education. This is expected to result in significant beneficial effects for the local population and visitors from further afield. New recreational facilities for all ages, abilities and groups would be provided adjacent to a relatively deprived area. This will bring significant physical and mental health benefits by encouraging activity and connecting people to nature.
- The Scheme comprises a variety of terrain, landscapes and route lengths for walkers, cyclists and horse riders which will be well connected to existing routes beyond the site and will provide safe access into the site. This improved provision is expected to have significant beneficial effect physical activity and social connectivity.
- The increase in visitors to the Site would benefit local businesses and potentially create jobs. This could positively affect mental and physical health, particularly for low-income groups in one of the more deprived areas of South East Hampshire.
- A number of local businesses would benefit due to the increase of visitors to the reservoir. The Scheme would lead to the creation of new direct and indirect jobs, through supply chain benefits and new expenditure introduced to the local economy. Opportunities to provide work and training to local communities will be identified.

## 22. Glossary

| Term/Acronym                 | Definition                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AADT                         | Annual Average Daily Traffic – The number of vehicles travelling on a particular stretch of road on an average day.                                                                                                                                                                                                                                                                                          |
| ACS                          | Asbestos Contaminated Soil                                                                                                                                                                                                                                                                                                                                                                                   |
| ADMS Roads                   | A comprehensive software tool for investigating air pollution problems due to networks of roads that may be in combination with industrial sites.                                                                                                                                                                                                                                                            |
| Affected Road Network        | The parts of the road network that would be affected by a change in traffic levels as the result of a transport scheme                                                                                                                                                                                                                                                                                       |
| AIA                          | Arboricultural Impact Assessment                                                                                                                                                                                                                                                                                                                                                                             |
| AIES                         | Assessment of Implications on European Sites                                                                                                                                                                                                                                                                                                                                                                 |
| ALC                          | Agricultural Land Classification – A framework for classifying land according to the extent to which its physical or chemical characteristics impose long term limitations on agricultural use. Agricultural land is classified into five categories according to versatility and suitability for growing crops. The top three grades, Grade 1, 2 and 3a, are referred to as 'Best and Most Versatile' land. |
| Annual Average Daily Traffic | The number of vehicles travelling on a particular stretch of road on an average day.                                                                                                                                                                                                                                                                                                                         |
| AOD                          | Above Ordinance Datum                                                                                                                                                                                                                                                                                                                                                                                        |
| AONB                         | Area of Outstanding Natural Beauty – An area outside a National Park designated for conservation due to its natural beauty.                                                                                                                                                                                                                                                                                  |
| AQAP                         | Air Quality Action Plan                                                                                                                                                                                                                                                                                                                                                                                      |
| AQMA                         | Air Quality Management Area – An area identified where the National Air Quality Objectives are not likely to be achieved. The Local Authority is required to produce a Local Air Quality Action Plan to plan how air quality in the area is to be improved.                                                                                                                                                  |
| AQS                          | Air Quality Strategy – The AQS sets out air quality objectives and policy options to further improve air quality in the UK from today into the long term.                                                                                                                                                                                                                                                    |
| Archaeological Priority Area | An area where there is significant known archaeological interest or potential for new discoveries. They are used to highlight where development may affect heritage assets.                                                                                                                                                                                                                                  |
| ARN                          | Affected Road Network – The parts of the road network that would be affected by a change in traffic levels as the result of a transport scheme.                                                                                                                                                                                                                                                              |
| ASNW                         | Ancient Semi Natural Woodlands                                                                                                                                                                                                                                                                                                                                                                               |
| ASPT                         | Average Score Per Taxon                                                                                                                                                                                                                                                                                                                                                                                      |
| AST                          | Appraisal Summary Table – A table that appraises the performance of each option against economic, environmental, social and distributional sub-impacts and is used to directly inform the Value for Money assessment for the Economic Case.                                                                                                                                                                  |
| AURN                         | Automatic Urban and Rural Network                                                                                                                                                                                                                                                                                                                                                                            |
| Baseline                     | Also referred to as the 'baseline situation', this term describes the existing nature of the landscape and the visual environment within the study area at a fixed point in time, as well as any changes likely to occur independently of the proposed development, including the legislative and planning context and any relevant published guidance.                                                      |

| Term/Acronym              | Definition                                                                                                                                                                                                                                                                                    |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BAP                       | Biodiversity Action Plan - An internationally recognized program addressing threatened species and habitats and is designed to protect and restore biological systems. The original impetus for these plans derives from the 1992 Convention on Biological Diversity.                         |
| BEIS                      | Department of Business, Energy and Industrial Strategy                                                                                                                                                                                                                                        |
| BGS                       | British Geological Survey - A partly publicly-funded body which aims to advance geoscientific knowledge of the United Kingdom landmass and its continental shelf by means of systematic surveying, monitoring and research.                                                                   |
| BLM                       | Biotic Ligand Model                                                                                                                                                                                                                                                                           |
| BMV                       | Best and Most Versatile – Defined as Grades 1, 2 and 3a of the Agricultural Land Classification as land which is most flexible productive and efficient in response to inputs and which can best deliver future crops for food and non-food uses such as biomass, fibres and pharmaceuticals. |
| BMWP                      | Biological Monitoring Working Party scoring system                                                                                                                                                                                                                                            |
| BNG                       | British National Grid                                                                                                                                                                                                                                                                         |
| BNL                       | Basic Noise Level                                                                                                                                                                                                                                                                             |
| BNS                       | Biological Notification Sites                                                                                                                                                                                                                                                                 |
| BoCC                      | Red listed birds of conservation concern                                                                                                                                                                                                                                                      |
| BPM                       | Best practicable means                                                                                                                                                                                                                                                                        |
| BS                        | British Standard                                                                                                                                                                                                                                                                              |
| BTO                       | British Trust for Ornithology                                                                                                                                                                                                                                                                 |
| CCG                       | South Eastern Hampshire Clinical Commissioning Group                                                                                                                                                                                                                                          |
| CCI                       | Community Conservation Index                                                                                                                                                                                                                                                                  |
| CCR                       | Climate Change Risk assessment                                                                                                                                                                                                                                                                |
| CD&E                      | Construction, Demolition & Excavation                                                                                                                                                                                                                                                         |
| CEA                       | Cumulative Effects Assessment                                                                                                                                                                                                                                                                 |
| CEMP                      | Construction Environmental Management Plan - A plan by the contractor describing how the environmental impacts of construction activities of a project will be minimised and mitigated.                                                                                                       |
| CFMPs                     | Catchment Flood Management Plans                                                                                                                                                                                                                                                              |
| CI                        | County Interest                                                                                                                                                                                                                                                                               |
| CIEEM                     | Chartered Institute for Ecology and Environmental Management                                                                                                                                                                                                                                  |
| CifA                      | Chartered Institute for Archaeologists                                                                                                                                                                                                                                                        |
| CIRIA                     | Construction Industry Research and Information Society                                                                                                                                                                                                                                        |
| CIWEM                     | Chartered Institution of Water and Environmental Management                                                                                                                                                                                                                                   |
| CLP                       | Classification, labelling and packaging                                                                                                                                                                                                                                                       |
| CMS                       | Continuous Monitoring Stations - An air quality monitoring station that houses analysers that continuously monitor the concentrations of air pollutants.                                                                                                                                      |
| CO <sub>2</sub>           | Carbon Dioxide                                                                                                                                                                                                                                                                                |
| CO <sub>2</sub> e         | Carbon Dioxide equivalent                                                                                                                                                                                                                                                                     |
| COMAH                     | Control of Major Accident Hazards                                                                                                                                                                                                                                                             |
| Congestion Reference Flow | The maximum achievable hourly throughput of traffic on a particular stretch of road, expressed in terms of AADT.                                                                                                                                                                              |

| Term/Acronym                | Definition                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Construction                | Construction, also referred to as the construction phase, refers to the all activity on and offsite required to implement the proposed development. The construction phase is considered to commence with the first activity on site, for example the creation of site access or site clearance works, and ends with demobilisation.                                                                                            |
| Conservation Area           | An area of special environmental or historic interest or importance, of which the character or appearance is protected by law against undesirable changes (Section 69 of the Planning (Listed Buildings and Conservation Areas) Act 1990).                                                                                                                                                                                      |
| COSHH                       | Control of Substances Hazardous to Health - Under the Control of Substances Hazardous to Health Regulations 2002, employers need to either prevent or reduce their workers' exposure to substances that are hazardous to their health.                                                                                                                                                                                          |
| Contaminated Land Report 11 | The Model Procedures for the Management of Land Contamination (CLR 11) have been developed to provide the technical framework for applying a risk management process when dealing with land affected by contamination. The process involves identifying, making decisions on, and taking appropriate action to deal with land contamination in a way that is consistent with government policies and legislation within the UK. |
| County Wildlife Site (CWS)  | A non-statutory conservation designation in the UK which affirms a site's importance and value for wildlife in its county context. The designation is classified by Natural England as being a 'Local Site' designation, though sites can also be of a regional and national importance.                                                                                                                                        |
| CR                          | County rare                                                                                                                                                                                                                                                                                                                                                                                                                     |
| CRoW                        | Countryside and Rights of Way                                                                                                                                                                                                                                                                                                                                                                                                   |
| CRTN                        | Calculation of Road Traffic Noise – Method of calculating (and measuring) road traffic noise levels for new and altered highways.                                                                                                                                                                                                                                                                                               |
| CS                          | County Scarce                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CSM                         | Conceptual Site Model - Serves to conceptualize the relationship between contaminant sources and receptors through consideration of potential or actual migration and exposure pathways.                                                                                                                                                                                                                                        |
| dB                          | Decibel                                                                                                                                                                                                                                                                                                                                                                                                                         |
| DCLG                        | Department for Communities and Local Government                                                                                                                                                                                                                                                                                                                                                                                 |
| DECC                        | Department for Energy and Climate Change                                                                                                                                                                                                                                                                                                                                                                                        |
| Defra                       | Department of the Environment, Food and Rural Affairs - Defra is the government department responsible for environmental protection, food production and standards, agriculture, fisheries and rural communities in the United Kingdom of Great Britain and Northern Ireland. Defra is a ministerial department, supported by 33 agencies and public bodies.                                                                    |
| Demobilisation              | This term refers to the completion and the removal of physical and manpower resources from a construction site at the completion of the construction phase.                                                                                                                                                                                                                                                                     |
| Designated Landscape        | Area(s) of land identified as being of importance at international, national or local levels, either defined by statute or identified in development plan or other documents.                                                                                                                                                                                                                                                   |
| Development                 | Any proposal that results in a change to the landscape and / or visual environment.                                                                                                                                                                                                                                                                                                                                             |
| DfT                         | Department for Transport - Government department responsible for the transport network in England, and for aspects of the transport network in the devolved administrations.                                                                                                                                                                                                                                                    |
| Disasters                   | A sudden accident or a natural catastrophe that causes great damage or loss of life.                                                                                                                                                                                                                                                                                                                                            |
| DM                          | 'Do Minimum'                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Term/Acronym     | Definition                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DMRB             | Design Manual for Roads and Bridges - A series of 15 volumes that provide standards, advice notes and other published documents relating to the design, assessment and operation of trunk roads, including motorways in the United Kingdom, and, with some amendments, the Republic of Ireland.                                                                                                                                    |
| DOC              | Dissolved Organic Carbon                                                                                                                                                                                                                                                                                                                                                                                                           |
| DQRA             | Detailed quantitative risk assessment                                                                                                                                                                                                                                                                                                                                                                                              |
| DS               | 'Do Something'                                                                                                                                                                                                                                                                                                                                                                                                                     |
| EA               | Environment Agency - A non-departmental public body with responsibilities relating to the protection and enhancement of the environment in England.                                                                                                                                                                                                                                                                                |
| EAR              | Environmental Assessment Report                                                                                                                                                                                                                                                                                                                                                                                                    |
| EAST             | Early Assessment and Sifting Tool - A decision support tool that has been developed to quickly summarise and present evidence on options in a clear and consistent format. It provides decision makers with relevant, high level, information to help them form an early view of how options perform and compare. The tool itself does not make recommendations and is not intended to be used for making final funding decisions. |
| EC               | European Community                                                                                                                                                                                                                                                                                                                                                                                                                 |
| EclA             | Ecological Impact Assessment                                                                                                                                                                                                                                                                                                                                                                                                       |
| ECOW             | Ecological Clerk of Works                                                                                                                                                                                                                                                                                                                                                                                                          |
| EEA              | European Economic Area                                                                                                                                                                                                                                                                                                                                                                                                             |
| EHDC             | East Hampshire District Council                                                                                                                                                                                                                                                                                                                                                                                                    |
| EIA              | Environmental Impact Assessment                                                                                                                                                                                                                                                                                                                                                                                                    |
| EMMP             | Ecological Mitigation and Management Plan                                                                                                                                                                                                                                                                                                                                                                                          |
| EMP              | Environmental Management Plan                                                                                                                                                                                                                                                                                                                                                                                                      |
| English Heritage | Charity that cares for the National Heritage Collection of state owned historic sites and monuments across England, under licence from Historic England.                                                                                                                                                                                                                                                                           |
| EPSM             | European Protected Species Mitigation licences                                                                                                                                                                                                                                                                                                                                                                                     |
| EQS              | Environmental Quality Standards                                                                                                                                                                                                                                                                                                                                                                                                    |
| ES               | Environmental Statement                                                                                                                                                                                                                                                                                                                                                                                                            |
| ESR              | Environmental Study Report                                                                                                                                                                                                                                                                                                                                                                                                         |
| EU               | European Union                                                                                                                                                                                                                                                                                                                                                                                                                     |
| EZol             | Ecological Zone of Influence - the area in which there may be ecological features subject to impacts and subsequent effects as a result of the Scheme, including those that would occur as a result of habitat loss, and those that would occur through disturbance, such as noise.                                                                                                                                                |
| Extreme weather  | A weather event that falls outside the realm of normal weather patterns.                                                                                                                                                                                                                                                                                                                                                           |
| Effect           | The nature of the change(s) likely to occur as a result of a particular impact.                                                                                                                                                                                                                                                                                                                                                    |
| Direct effect    | An effect that is directly attributable to the Scheme                                                                                                                                                                                                                                                                                                                                                                              |
| Indirect effect  | An effect that results from the Scheme as a consequence of a direct effect(s), often occurring away from the site, or as a result of a sequence of interrelationships or a complex pathway.                                                                                                                                                                                                                                        |
| Element          | Individual parts which make up the landscape, for example trees, hedgerows or buildings.                                                                                                                                                                                                                                                                                                                                           |
| Enabling works   | Enabling works cover those activities and preparations required to make a site construction ready and include the creation of access routes, and                                                                                                                                                                                                                                                                                   |

| Term/Acronym     | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                  | installation of security fencing, hoarding, signage and site compound(s). Enabling works are considered to occur during the construction phase.                                                                                                                                                                                                                                                                                                     |
| Enhancement      | Measures that seek to improve the landscape of the site and / or its wider setting beyond its baseline condition.                                                                                                                                                                                                                                                                                                                                   |
| eDNA             | environmental DNA                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| FE               | Forestry England                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Feature          | Prominent or eye-catching elements in the landscape, such as wooded skylines, parkland trees, church spires, or a particular aspect of the proposed development.                                                                                                                                                                                                                                                                                    |
| FRA              | Flood Risk Assessment                                                                                                                                                                                                                                                                                                                                                                                                                               |
| GAC              | Generic Assessment Criteria                                                                                                                                                                                                                                                                                                                                                                                                                         |
| GCS              | Good Chemical Status                                                                                                                                                                                                                                                                                                                                                                                                                                |
| GEP              | Good Ecological Potential                                                                                                                                                                                                                                                                                                                                                                                                                           |
| GES              | Good Ecological Status                                                                                                                                                                                                                                                                                                                                                                                                                              |
| GHG              | Greenhouse Gas                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| GI               | Ground Investigation                                                                                                                                                                                                                                                                                                                                                                                                                                |
| GLVIA            | Guidelines for Landscape and Visual Impact Assessment                                                                                                                                                                                                                                                                                                                                                                                               |
| GPA12            | GPA12 Statements of Significance: Analysing Significance in Heritage Assets. Good Practice Advice Note 12 (GPA12) (2019)                                                                                                                                                                                                                                                                                                                            |
| GPP              | Guidance for Pollution Prevention                                                                                                                                                                                                                                                                                                                                                                                                                   |
| GQRA             | Generic quantitative risk assessments                                                                                                                                                                                                                                                                                                                                                                                                               |
| H++              | The results of a project to investigate the development of plausible high end climate change scenarios                                                                                                                                                                                                                                                                                                                                              |
| HBC              | Havant Borough Council                                                                                                                                                                                                                                                                                                                                                                                                                              |
| HBIC             | Hampshire Biodiversity Information Centre                                                                                                                                                                                                                                                                                                                                                                                                           |
| HCC              | Hampshire County Council                                                                                                                                                                                                                                                                                                                                                                                                                            |
| HDV              | Heavy Duty Vehicles/Heavy Delivery Vehicles                                                                                                                                                                                                                                                                                                                                                                                                         |
| HE               | Highways England                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| HER              | Historic Environment Record                                                                                                                                                                                                                                                                                                                                                                                                                         |
| HGVs             | Heavy Good Vehicles                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| HIA              | Health Impact Assessment                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Historic England | Publicly funded body that champions and protects England's historic places; also known as the Historic Buildings and Monuments Commission for England.                                                                                                                                                                                                                                                                                              |
| HLC              | Historic Landscape Character                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HLCA             | Historic Landscape Character Area                                                                                                                                                                                                                                                                                                                                                                                                                   |
| HMC              | Habitat Modification Classification                                                                                                                                                                                                                                                                                                                                                                                                                 |
| HMS              | Habitat Modification Scores                                                                                                                                                                                                                                                                                                                                                                                                                         |
| HMWB             | Heavily Modified Waterbodies                                                                                                                                                                                                                                                                                                                                                                                                                        |
| HPI              | Habitats of Principal Importance - Under Section 41 of the Natural Environment and Rural Communities (NERC) Act, the Secretary of State is required to publish a list of habitats which are of principal importance for the conservation of biodiversity in England. Fifty-six habitats of principal importance are included on the S41 list. These are all the habitats in England that were identified as requiring action in the UK Biodiversity |

| Term/Acronym                        | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                     | Action Plan and continue to be regarded as conservation priorities in the subsequent UK Post-2010 Biodiversity Framework.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| HRA                                 | Habitats Regulation Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| HSI                                 | Habitat Suitability Index                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| ICCI                                | In-combination Climate Change Impacts assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| IDB                                 | Internal Drainage Board                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| IEFs                                | Important Ecological Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| IEMA                                | Institute of Environmental Management and Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| INNPS                               | Invasive non-native plant species                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| IUCN Red List of Threatened Species | International Union for Conservation of Nature's Red List                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| IUCN_EN_2014:EN                     | World Conservation Union 2014 (England) - Endangered                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| IUCN_GB_pre94:NR                    | World Conservation Union pre 1994 (Great Britain) - Nationally Rare                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| IUCN_GB_2001:VU                     | World Conservation Union 2001 (Great Britain) - Vulnerable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| JNCC                                | Joint Nature Conservation Committee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| km                                  | Kilometre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| km <sup>2</sup>                     | Square Kilometre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Land cover                          | This term relates to the surface cover of the land and is usually expressed in terms of vegetation cover or lack thereof.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Land use                            | This term refers to what land is used for and is based on broad categories such as urban, industrial, agriculture or forestry.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Landform                            | The shape and form of the land surface resulting from combinations of geology, geomorphology, slope, elevation and physical processes.                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Landscape character                 | A distinct, recognisable and consistent pattern of elements in the landscape that makes one landscape different from another, rather than better or worse.                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Landscape Character Area (LCA)      | Single unique areas which are discreet geographical areas of a particular landscape type.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Landscape Character Assessment      | The process of identifying and describing variation in the character of the landscape and using this information to assist in managing change in the landscape.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Landscape Character Type (LCT)      | Distinct types of landscape that are relatively homogenous in character. They are generic in nature in that they may occur in different parts of the country, but wherever they occur they share broadly similar combinations of geology, topography, drainage patterns, vegetation and historical land use and settlement pattern, and perceptual and aesthetic attributes.                                                                                                                                                                                                        |
| Landscape quality / condition       | A measure of the physical state of the landscape. It may include the extent to which the character typical of the area is represented in individual locations, the intactness of the landscape and the condition of individual elements.                                                                                                                                                                                                                                                                                                                                            |
| Landscape receptor                  | The constituent features and elements of the landscape, its specific or perceptual qualities and its character considered in relation to the proposed development.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Landscape resource                  | This term refers to the character and all features, elements and qualities of the landscape, which is defined by the European Landscape Convention (ELC) as follows: "Landscape is an area, as perceived by people, whose character is the result of the action and interaction of natural and / or human factors" (Council of Europe, 2000). The landscape resource concerns all types of landscape within the study area and covers "natural, rural, urban and peri-urban areas. It includes land, inland water and marine areas. It concerns landscapes that might be considered |

| Term/Acronym           | Definition                                                                                                                                                                                                                                                                                                                                                  |
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|                        | outstanding as well as everyday or degrade landscapes” (Article 2 of the ELC, Council of Europe, 2000).                                                                                                                                                                                                                                                     |
| (The) Landscape scheme | The landscape design for the proposed development, incorporating all landscape mitigation and enhancement measures.                                                                                                                                                                                                                                         |
| Landscape value        | The relative value that is attached to landscapes by society, which may vary depending on the nature of the stakeholder.                                                                                                                                                                                                                                    |
| LVIA                   | Landscape and Visual Impact Assessment                                                                                                                                                                                                                                                                                                                      |
| LAQM.TG                | Local Air Quality Management Technical Guidance - A technical guidance document designed to support local authorities in carrying out their duties under the Environment Act 1995 and subsequent Regulations. These duties require local authorities to review and assess air quality in their area from time to time.                                      |
| LDV                    | Light delivery vehicle                                                                                                                                                                                                                                                                                                                                      |
| LED                    | Light emitting diode                                                                                                                                                                                                                                                                                                                                        |
| LEP                    | Local Enterprise Partnership                                                                                                                                                                                                                                                                                                                                |
| LGS                    | Local Geographical Site                                                                                                                                                                                                                                                                                                                                     |
| LHA                    | Local Highway Authority                                                                                                                                                                                                                                                                                                                                     |
| LIFE                   | Lotic invertebrate Index for Flow Evaluation                                                                                                                                                                                                                                                                                                                |
| Limit Values           | Refers to airborne concentrations of chemical substances and represent conditions under which it is believed that nearly all workers may be repeatedly exposed, day after day, over a working lifetime, without adverse health effects.                                                                                                                     |
| LLFAs                  | Lead Local Flood Authorities                                                                                                                                                                                                                                                                                                                                |
| LNR                    | Local Nature Reserve - A statutory designation made under Section 21 of the National Parks and Access to the Countryside Act 1949. and amended by Schedule 11 of the Natural Environment and Rural Communities Act 2006, by principal local authorities. A Local Nature Reserve must be of importance for wildlife, geology, education or public enjoyment. |
| LOAEL                  | Lowest Observed Adverse Effect Level                                                                                                                                                                                                                                                                                                                        |
| Local Enterprise       | A voluntary partnership set up between local authorities and businesses to drive local economic growth and job creation activities. There are 39 LEPs across England.                                                                                                                                                                                       |
| Local Geological Site  | Are non-statutory sites that have been identified by local geoconservation groups as being of importance.                                                                                                                                                                                                                                                   |
| LPA                    | Local Planning Authority                                                                                                                                                                                                                                                                                                                                    |
| LTP                    | The Hampshire Local Transport Plan 2011-2031                                                                                                                                                                                                                                                                                                                |
| LWS                    | Local Wildlife Site                                                                                                                                                                                                                                                                                                                                         |
| MAFF                   | Ministry of Agriculture, Fisheries and Food - A UK government department created by the Board of Agriculture Act 1889. The Ministry was dissolved in 2002, at which point its responsibilities were merged into the Department for Environment, Food and Rural Affairs (Defra).                                                                             |
| Magnitude of change    | A judgement regarding the size and scale of the change, the geographical extent of the area that would be affected and the duration of the effect and its reversibility.                                                                                                                                                                                    |

| Term/Acronym                                            | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| MAGIC                                                   | Multi-Agency Geographic Information for the Countryside - A web-based interactive map to bring together information on key environmental schemes and designations in one place. Multi Agency Geographic Information for the Countryside (MAGIC) is a partnership project involving six government organisations who have responsibilities for rural policy-making and management.                                                                                      |
| Mineral Consultation Area                               | An area identified in order to ensure consultation between the relevant minerals planning authority, the minerals industry and others before certain non-mineral planning applications made within the area are determined.                                                                                                                                                                                                                                            |
| Mineral Safeguarding Area                               | An area designated by Minerals Planning Authorities which covers known deposits of minerals which are desired to be kept safeguarded from unnecessary sterilisation by non-mineral development.                                                                                                                                                                                                                                                                        |
| Ministry of Defence                                     | Government department responsible for the defence of the UK and its overseas territories, including the maintenance of the armed forces.                                                                                                                                                                                                                                                                                                                               |
| MIS-index                                               | Monitoring Intermittent Streams index survey method                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Mitigation                                              | This term refers to those measures that are proposed to prevent / avoid, reduce and where possible offset any adverse effects.                                                                                                                                                                                                                                                                                                                                         |
| MOU                                                     | Measure of Uncertainty                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MoRPh                                                   | Modular River Physical Survey                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| MMP                                                     | Materials Management Plan                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| MT                                                      | Motorised Travellers - A person who travels by a motorised vehicle which is a vehicle that is fitted with an engine or a motor e.g. mobility scooter.                                                                                                                                                                                                                                                                                                                  |
| Multi-Agency Geographic Information for the Countryside | Multi-Agency Geographic Information for the Countryside - A web-based interactive map to bring together information on key environmental schemes and designations in one place. Multi Agency Geographic Information for the Countryside (MAGIC) is a partnership project involving six government organisations who have responsibilities for rural policy-making and management.                                                                                      |
| MSOA                                                    | Middle Layer Super Output Area                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| National Infrastructure Plan                            | Document published by the UK Government, setting out its strategy for meeting the infrastructure needs of the UK economy.                                                                                                                                                                                                                                                                                                                                              |
| National Trust                                          | Charity that cares for historic houses, gardens, ancient monuments, countryside and other sites across England, Wales and Northern Ireland, including the Stonehenge landscape.                                                                                                                                                                                                                                                                                        |
| National Vegetation Classification                      | The National Vegetation Classification was commissioned in 1975 by the Nature Conservancy Council (NCC) to provide a comprehensive and systematic catalogue and description of the plant communities of Britain. It has now been accepted as a standard, not only by the nature conservation and countryside organisations, but also by forestry, agriculture and water agencies, local authorities, nongovernmental organisations, major industries and universities. |
| NBN                                                     | National Biodiversity Network Atlas                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| NCA                                                     | National Character Area - The subdivision of England into 159 distinct natural areas. Each area is defined by a unique combination of landscape, biodiversity, geodiversity, history, and cultural and economic activity. Their boundaries follow natural lines in the landscape rather than administrative boundaries.                                                                                                                                                |
| NCNR                                                    | National Cycle Network Route                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| NE                                                      | Natural England - Executive non-departmental public body responsible for the natural environment.                                                                                                                                                                                                                                                                                                                                                                      |
| NERC                                                    | Natural Environment and Rural Communities Act 2006                                                                                                                                                                                                                                                                                                                                                                                                                     |

| Term/Acronym                | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| NHLE                        | National Heritage List for England                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| nHR                         | North Hampshire Rare                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| nHS                         | North Hampshire Scarce                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| NIA                         | Noise Important Area - Areas where the 1% of the population that are affected by the highest noise levels from major roads are located according to the results of Defra's strategic noise maps.                                                                                                                                                                                                                                                                                                                                                                                     |
| NIEA                        | Northern Ireland Environment Agency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| NMU                         | Non-Motorised User - Cyclists, pedestrians (including wheelchair users), and equestrians using the public highway.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NN                          | Nationally Notable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NNR                         | National Nature Reserves - Reserves established to protect some of the most important habitats, species and geology in the United Kingdom, and to provide 'outdoor laboratories' for research. There are currently 224 NNRs in England with a total area of over 94,400 hectares - approximately 0.7% of the country's land surface. Natural England manages about two thirds of England's NNRs. The remaining reserves are managed by organisations approved by Natural England, for example, the National Trust, Forestry Commission, RSPB, Wildlife Trusts and local authorities. |
| NO <sub>2</sub>             | Nitrogen Dioxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NOEL                        | No Observed Effect Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| NO <sub>x</sub>             | Nitrogen Oxide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| NPPF                        | National Planning Policy Framework                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NPPG                        | National Planning Practice Guidance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| NPSE                        | Noise Policy Statement for England                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| NTL                         | Nominal Tidal Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| NRW                         | Natural Resources Wales                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| NS                          | Nationally Scarce                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| NSIP                        | Nationally Significant Infrastructure Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| °C                          | Degrees Celsius                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| OEMP                        | Outline Environmental Management Plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| ONS                         | Office for National Statistics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Open Access Land            | Land where the public have access either by legal right or informal agreement, within which certain activities may be restricted.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Operation                   | Also referred to as completion, this term describes the operation phase of the completed development and is considered to commence at the end of the construction phase, after demobilisation. The duration of the operation phase is dependent on the nature of the proposed development.                                                                                                                                                                                                                                                                                           |
| OSGR                        | Ordnance Survey Grid Reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| OSNGR                       | Ordnance Survey National Grid Reference                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Outstanding Universal Value | To be included on the UNESCO World Heritage List, sites must be deemed to be of 'outstanding universal value'.                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| PAHs                        | Polycyclic Aromatic Hydrocarbons                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Parameters                  | A limit or boundary which defines the scope of a particular process or activity.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| PAWS                        | Plantations on Ancient Woodland Sites                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PCL                         | Potential Contaminant Linkages                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Term/Acronym             | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| PCM                      | Pollution Climate Mapping - A collection of models designed to fulfil part of the United Kingdom's EU Directive (2008/50/EC) on ambient air quality and cleaner air for Europe, requirements to report on the concentrations of particular pollutants in the atmosphere. There is one model per pollutant, each with two parts: a base year model and a projections model. The Pollution Climate Mapping model provides outputs on a 1x1 km grid of background conditions plus around 9,000 representative road side values. The Mapping is also used for scenario assessment and population exposure calculations to assist policy developments and provides model runs to support the writing of Time Extension Notification applications for PM10 and NOx. |
| PCSM                     | Preliminary Conceptual Site Model                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PEIR                     | Preliminary Environmental Information Report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Perception / perceptible | A term used to describe the sensory (i.e. received through human senses) with the cognitive (i.e. knowledge and understanding gained from many sources and experiences).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Permissive Paths         | A path over which there is no formal right of access (i.e. not a public right of way) whose use by the public is allowed by the landowner.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PINS                     | Planning Inspectorate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| PM <sub>10</sub>         | Particulate Matter with a diameter of 10 micrometres or less                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PM <sub>25</sub>         | Particulate Matter with a diameter of 25 micrometres or less                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PNEC                     | Probable Non-effect Concentration                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| PPE                      | Personal Protective Equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| PPGs                     | Pollution Prevention Guidelines                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| PPV                      | Peak particle velocity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| PRoW                     | Public Right of Way - A way over which the public have a right to pass and repass. The route may be used on foot, on (or leading) a horse, on a pedal cycle or with a motor vehicle, depending on its status. Although the land may be owned by a private individual, the public may still gain access across that land along a specific route. Public rights of way are all highways in law.                                                                                                                                                                                                                                                                                                                                                                 |
| PSCL                     | Planning Solutions Consulting Limited (PSCL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| PSI                      | Proportion of Sediment-sensitive Invertebrates                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| PSSR                     | Preliminary Sources Study Report                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| RAG                      | Red Amber Green                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RAMS                     | Risk Assessment, Method Statement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Ramsar Sites             | Wetlands of International Importance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| RBD                      | River Basin District (RBD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RBMPs                    | River Basin Management Plans                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RCP                      | Representative Concentration Pathway                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| REAC                     | Record of Environmental Actions and Commitments                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Receptor                 | See 'Landscape Receptor' and 'Visual Receptor'.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| RHS                      | River Habitat Surveys                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| RIG                      | Regionally Important Geological (site)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| RIVPACS                  | River Invertebrate Prediction and Classification System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| RNAG                     | Reasons for Not Achieving Good                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

| Term/Acronym                | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| RSPB                        | Royal Society for the Protection of Birds<br>A charitable organisation that works to promote conservation and protection of birds and the wider environment through public awareness campaigns, petitions and through the operation of nature reserves throughout the UK.                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RSTs                        | Runoff Specific Thresholds (RSTs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| ( c ) SAC                   | (Candidate) Special Area of Conservation - Areas of strictly protected sites designated under the EC Habitats Directive (92/43/EEC) on the conservation of natural habitats and of wild fauna and flora. The listed habitat types and species are those considered to be most in need of conservation at a European level (excluding birds).                                                                                                                                                                                                                                                                                                                                               |
| SBI                         | Site of Borough Importance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Scheduled monument          | A 'nationally important' archaeological site or historic building, given protection against unauthorised change and included in the Schedule of Monuments kept by the Secretary of State for Culture, Media and Sport. The protection given to scheduled monuments is given under the Ancient Monuments and Archaeological Areas Act 1979.                                                                                                                                                                                                                                                                                                                                                 |
| SCI                         | Statement of Community Involvement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SCP                         | Staunton Country Park                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| SDNPA                       | South Downs National Park Authority                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SDMP                        | Solent Disturbance and Mitigation Project                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sensitivity (of a receptor) | A judgement regarding the susceptibility of a receptor to the change arising as a result of the proposed development and the value attached to the receptor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SEPA                        | Scottish Environment Protection Agency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Significance of effect      | The level or importance of landscape and visual effects, determined by considering together sequentially the sensitivity of the receptor with the magnitude of effect.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SLI                         | Shoulder of Mutton Wood Site of Local Importance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SINC                        | Sites of Importance for Nature Conservation - Locally important sites of nature conservation adopted by local authorities for planning purposes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| SOAEL                       | Significant Observed Adverse Effect Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| SoS                         | Secretary of State                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| SPA                         | Special Protection Area - Areas of strictly protected sites classified in accordance with Article 4 of the EC Birds Directive (2009/147/EC) on the conservation of wild birds. They are classified for rare and vulnerable birds (as listed on Annex I of the Directive), and for regularly occurring migratory species.                                                                                                                                                                                                                                                                                                                                                                   |
| (p)SPA                      | (potential) Special Protection Area                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| SPI                         | Species of Principal Importance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| SPZ                         | Source Protection Zone - Areas of land around over 2000 groundwater sources such as wells, boreholes and springs used for public drinking water supply. The zones show the risk of contamination from any activities that might cause pollution in the area. The closer the activity, the greater the risk. There are three main zones (inner, outer and total catchment) and a fourth zone of special interest, which is occasionally applied to a groundwater source. The zones are used in conjunction with the Groundwater Protection Policy to set up pollution prevention measures in areas which are at a higher risk, and to monitor the activities of potential polluters nearby. |

| Term/Acronym                  | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| SSSI                          | Site of Special Scientific Interest - A conservation designation denoting to a protected area in the United Kingdom. The Sites are protected by law to conserve their wildlife or geology.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Stakeholder                   | The whole constituency of individuals and groups who have an interest in a subject, place or landscape.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Study area                    | The area within which it is considered that changes arising as a result of the proposed development would result in the highest and / or most important direct or indirect effects.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Strategic Road Network        | The network of approximately 4,300 miles of motorways and major 'trunk' A roads across England, managed by Highways England.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| SuDS                          | Sustainable Urban Drainage Systems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| SUP                           | Shared use path                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| SWMP                          | Site Waste Management Plan - A Site Waste Management Plan should describe how materials will be managed efficiently and disposed of legally during the construction of the works, explaining how the re-use and recycling of materials will be maximised. This involves estimating how much of each type of waste is likely to be produced and the proportion of this that will be re-used or recycled on site, or removed from the construction site for re-use, recycling, recovery or disposal. It is the joint responsibility of the client and the principal contractor to ensure that a Site Waste Management Plan is in place before construction begins and to ensure that it is enforced. |
| SxBRC                         | Sussex Biodiversity Record Centre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| TIN                           | Technical Information Note                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Topography                    | Local detail or specific features of landform.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| TA                            | Transport Assessment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| TAG                           | Transport Analysis Guidance                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| TP                            | Travel Plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| TPA                           | Tonnes per Annum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tranquil / tranquillity       | A state of calm and quietude associated with peace and considered to be an important asset of landscape.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tree Preservation Order (TPO) | A Tree Preservation Order is made by a Local Planning Authority to protect specific trees or a particular area, group or woodland to protect specific trees or a particular area, group or woodland from deliberate damage and destruction. TPOs can prevent the felling, lopping, topping, uprooting or otherwise wilful damaging of trees without the permission of the Local Planning Authority.                                                                                                                                                                                                                                                                                                |
| TS                            | Transport Statement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| UAEL                          | Unacceptable Adverse Effect Levels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| UK                            | United Kingdom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| UKCP18                        | United Kingdom Climate Projections (2018)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| UXO                           | Unexploded Ordnance - An explosive weapon (bombs, shells, grenades, land mines, naval mines, cluster munition, etc.) that did not explode when they were employed and still pose a risk of detonation, sometimes many decades after they were used or discarded.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Viewpoint                     | The location from which photographs that describe specific or representative views toward the proposed development are captured.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Visual amenity                | The overall pleasantness of the views people enjoy of their surroundings, which provides the setting or backdrop for the enjoyment of peoples activities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

| Term/Acronym                   | Definition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| Visual envelope                | The approximate geographical area(s) from within which full or partial views of the proposed development would be possible.                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Visual receptor                | Individuals and / or defined groups of people who have the potential to be affected by the proposed development.                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| WEEE                           | Waste electrical and electronic equipment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| WFD                            | Water Framework Directive - The Water Framework Directive (2000/60/EC) is a EU directive which aims to achieve good (2000/60/EC) is a EU directive which aims to achieve good status of all water bodies (surface waters, groundwaters and the sites that depend on them, estuaries and near-shore coastal waters) and the prevent any deterioration. It has introduced a comprehensive river basin management planning system to protect and improve the ecological quality of the water environment. It is underpinned by the use of environmental standards. |
| WHO                            | World Health Organisation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| WHPT                           | Whalley Hawkes Paisley Trigg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| WMO                            | World Meteorological Organisation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| World Heritage Site            | A site listed by UNESCO because of its special natural or cultural value.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Worst case                     | Reasonable prediction of the scenario that would result in the highest level of effect(s).                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| WPZ                            | Water Protection Zone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| WQ                             | Water Quality                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| WRAP                           | Waste and Resources Action Plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| WRMP                           | Water Resources Management Plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| WRSE                           | Water Resources in the South East                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Vulnerability                  | The quality or state of being exposed to the possibility of being attacked or harmed, either physically or emotionally.                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| ZOI                            | Zone of Influence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Zone of Theoretical Visibility | A map, usually digitally produced, showing areas of land within which, a development is theoretically visible.                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| ZVI                            | Zone of Visual Influence                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |



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