

## Glossary

'Applicant'	London Borough of Hillingdon ('LBH')
Aquifer	A below ground, water-bearing layer of soil or rock.
Baseline Studies	Studies of existing environmental conditions which are designed to establish the baseline conditions against which any future changes can be measured or predicted.
Broadwater lake	A large body of water with a number of small islands bordered by trees and scrub. The lake was created after the area was used as a quarry for sand and gravel extraction between the 1960s and the 1990s. Broadwater Lake is the largest of four lakes within the Mid Colne Valley SSSI
Brownfield site	A site comprising previously developed land.
Camp Zone	Comprises a camping area, single story activity shelter and toilet/changing facilities
Colne Valley Regional Park	A park covering 43 square miles including green spaces and reservoirs alongside the River Colne and Grand Union Canal, across Hertfordshire and Buckinghamshire.
Colne Valley Viaduct	Planned HS2 development which includes a railway bridge stretching more than 3.4km across the lakes between Hillingdon and the M25. The viaduct will be around 10m above the surface of the lakes and the River Colne and Grand Union Canal will have a series of arches up to 80m long
Conservation Area	An area designated by the Local Authority as being of special architectural or historic interest under the provisions of the Planning (Listed Buildings and Conservation Areas 1990) Act, the character or appearance of which it is desirable to preserve or enhance.
Construction Environmental Management Plan	Tool for implementing the mitigations identified within the Environmental Statement and the conditions of the planning application.
Construction Traffic Management Plan	A tool for controlling the movement of freight associated with the design and construction phase. This will aid in minimising disturbance to receptors such as residents, businesses and the environment.
The 'Proposed Development'	The development of land at Broadwater lake, covering an area of approximately 79.95ha.
Dust	Particles typically in the size range 1 to 75 µm in aerodynamic diameter

Eastern Channel	Area of water to the east of the peninsula where water based activities will take place. Also provides access to the sailing area for dinghies, windsurfers and BSC members.
East Parcel	Land to the east of the Site boundary comprising woodland, and the brick and iron canal bridge/utility gantry across the Grand Union canal in the east
Environmental Impact Assessment	A process by which information about the environmental effects of a project is collected, both by the developer and from other sources, and taken into account by the relevant decision making body before a decision is given on whether the development should go ahead.
Environmental Statement	A statement that includes such information that is reasonably required to assess the environmental effects of a development.
Flood Risk	The risk of flooding posed to a defined receptor. Sources can include fluvial (rivers), tidal (estuaries and the sea), groundwater, surface water runoff, artificial drainage systems, canals and impounded waterbodies (i.e. canals, reservoirs, ponds, flood defences). Receptors that can be affected include people, property, infrastructure and wildlife.
Gross External Area	A measure of floor space calculated in accordance with the Royal Institution of Chartered Surveyors (RICS) code of Measuring Practice.
Gross Internal Area	The area of a building measured to the internal face of the perimeter walls at each floor level.
Impact Significance	Opinions from a relevant planning authority at an initial stage as to what are the nature and potential scale of the environmental impacts arising from the proposed development, and assessing what further studies are required to establish their significance.
Lagoon	The body of water in the south east of Broadwater lake.
Listed Buildings	A building or structure included in the list made by the Secretary of State for Culture Media and Sport of special architectural or historic interest.
Local Nature Reserve	Statutory designations 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 with wildlife or geological features that are of special interest locally.
Mitigation	Any process, activity of thing designed to avoid, reduce or remedy adverse environmental impacts likely to be caused by a development project.
Mitigating Factor	A matter to be taken into account as a benefit on balance to offset against any perceived or demonstrable harmful impact.

Mitigation Measure	Measure aiming at reducing an adverse environmental effect.
National Character Area (NCA)	NCAs cover large areas that share similar landscape characteristics which are too broad for assessment purposes.
Net Internal Area	The usable area within a building measured to the internal face of the perimeter walls at each floor level.
Non-technical Summary	A summary of the Environmental Statement in 'non-technical language'.
On-site	Taking place or available on the Site.
Off-site	Referring to a location other than the Site.
Operations Zone	Comprises the Main Building, a two storey form with low sloping roofs, that sits below the higher tree canopies. This building provides the key operational spaces, including the main office, seasonal staff accommodation, changing facilities for users and a number of larger congregation spaces which can host a number of functions depending on the users present.
Ordnance Datum	Land levels are measured relative to the average sea level at Newlyn, Cornwall. This average level is referred to as 'Ordnance Datum'.
Pathways	The routes by which impacts are transmitted through air, water, soils or plants and organisms to their receptors.
Pennisula	The area of land in the south east corner of Broadwater lake, which will form the area of all land based development.
Permeability	The extent to which an environment allows people a variety of access routes through it. A permeable environment is one where there is ease of movement and where people have a choice of the routes they may use.
Phase 1 Contaminated Land Desk Study	An assessment to establish the previous uses of the Site or land nearby or adjacent to it, and to identify potential sources of contamination, receptors and pathways.
PM <sub>2.5</sub>	The term PM <sub>2.5</sub> refers to the fraction of particles with aerodynamic diameters equal to, or less than, 2.5 µm. More precisely, the definitions specify the inlet cut-off for which 50% collection efficiency by a particle separator is obtained for these sizes.
PM <sub>10</sub>	The term PM <sub>10</sub> refers to the fraction of particles with aerodynamic diameters equal to, or less than, 10 µm. More precisely, the definitions specify the inlet cut-off for which 50% collection efficiency by a particle separator is obtained for these sizes.

Residual Impacts	Those impacts of the development that cannot be mitigated following implementation of mitigation proposals.
Risk Assessment	An assessment of the likelihood and severity of an occurrence.
Runoff	The overland flow of water from either impermeable surfaces, or areas where precipitation is collecting faster than it can infiltrate into the ground.
Safety Zone	Comprises the Equipment Store and Workshop, which are single storey buildings separated by a yard. These buildings will provide workshop spaces, equipment storage including dinghies and the safety boat, buoyancy aids etc. and also accommodate the energy centre.
Scheduled Monument	A 'nationally important' archaeological site or historic building, given protection against unauthorised change.
Scoping	An initial stage in determining the nature and potential scale of the environmental impacts arising from the proposed development, and assessing what further studies are required to establish their significance.
Scoping Opinion	A written statement of the opinion of the relevant planning authority as to the information to be provided in the Environmental Statement.
Setting	The context in which a building or area can be appreciated.
Silt Lagoon	A pond or excavated area used to separate and store silt and other fine sediment from water
South Parcel	Land immediately north of Moorhall Road comprising a peat bog which floods regularly in winter, a mixture of grassland, shrub, hedgerows and scattered trees
The 'Site'	Broadwater Lake, Moorhall Road, Harefield, Uxbridge, UB9 6PE
Site of Special Scientific Interest	The best sites for wildlife and geological features in England as designated under the Wildlife and Countryside Act 1981.
Topography	The natural and man-made features of an area collectively.

## Abbreviations

AADF	Annual Average Daily Flows
AADT	Annual Average Daily Traffic flows
AAP	Area Action Plan
AAWT	Annual Average Weekly Traffic flows
AEP	Annual Exceedance Probability

AIA	Arboricultural Impact Assessment
ACM	Asbestos Containing Materials
AOD	Above Ordnance Datum
AQAP	Air Quality Action Plan
AQMA	Air Quality Management Area
AQMP	Air Quality Management Plan
AQO	Air Quality Objective
AQS	Air Quality Standard
ATC	Automatic Traffic Counter
AVR	Accurate Visual Representation
BAP	Biodiversity Action Plan
BSC	Broadwater Sailing Club
BRES	Business Register and Employment Survey
CA	Conservation Area
CCS	Considerate Contractors Scheme
CEMP	Construction Environmental Management Plan
CHP	Combined Heat and Power
CIEEM	Chartered Institute of Ecology and Environmental Management
CITB	Construction Industry Training Board
COMAH	Control of Major Accident Hazard
COSHH	Control of Substances Hazardous to Health
CPO	Compulsory Purchase Order
CRTN	Calculation of Road Traffic Noise
CTMP	Construction Traffic Management Plan
CV	Colne Valley
CVRP	Colne Valley Regional Park
CVPCIC	CVP Community Interest Company
DAS	Design and Access Statement
DBA	Desk-Based Assessment
Defra	Department for Environment, Food and Rural Affairs
DfT	Department for Transport
DMRB	Design Manual for Roads and Bridges

DMPO	Development Management Procedure (England) Order
DPD	Development Management Document
DSP	Delivery and Servicing Plan
DTM	Digital Terrain Model
EA	Environment Agency
EclA	Ecological Impact Assessment
EPA	European Protection Act
EPSML	European Protected Species Mitigation Licence
EHO	Environmental Health Officer
EIA	Environmental Impact Assessment
EPUK	Environmental Protection UK
ES	Environmental Statement
FRA	Flood Risk Assessment
FTE	Full-time Equivalent
GEA	Gross External Area
GIA	Gross Internal Area
GLVIA	Guidelines for Landscape and Visual Impact Assessment
Ha	Hectares
HoPI	Habitat of Principal Importance
HGV	Heavy Goods Vehicles
HOAC	Hillingdon Outdoor Activity Centre
HRC	Hillingdon Rowing Club
HS2	High Speed 2 Railway
HSE	Health and Safety Executive
HUDU	Healthy Urban Development Unit
HWSFAC	Hillingdon Water Sports Facility & Activity Centre
IAQM	Institute of Air Quality Management
IDO	Interim Development Order
IEMA	Institute of Environmental Management Assessment
LAQM	Local Air Quality Management
LBH	London Borough of Hillingdon
LEMP	Landscape and Ecological Management Plan

LPA	Local Planning Authority
LNR	Local Nature Reserve
LOAEL	Lowest Observed Adverse Effect Level
LSOA	Lower Super Output Area
LWS	Local Wildlife Site
LVIA	Landscape and Visual Impact Assessment
km	Kilometres
m	Metres
MCC	Manual Classified Counts
MEMP	Mitigation and Ecological Management Plan
NCA	National Character Area
NE	Natural England
NIA	Net Internal Area
NMR	National Monuments Record
NNR	National Nature Reserve
NO <sub>2</sub>	Nitrogen dioxide
NO <sub>x</sub>	Nitrogen oxides
NOAEL	No Observed Adverse Effect Level
NPPF	National Planning Policy Framework.
NPSE	Noise Policy Statement for England
NSR	Noise Sensitive Receptor
ONS	Office for National Statistics
OS	Ordnance Survey
PBRA	Preliminary bat roost assessment
PERA	Preliminary Environmental Risk Assessment
PPG	Planning Practice Guidance
PPG	Pollution Prevention Guidance
PPS	Planning Policy Statement
PPV	Peak Particle Velocity
PTAL	Public Transport Accessibility Level
PRoW	Public Right of Way
SAC	Special Areas of Conservation

SPA	Special Protection Area
SINC	Sites of Importance for Nature Conservation
SM	Scheduled Monument
SSSI	Site of Special Scientific Interest
SOAEL	Significant Observed Adverse Effect Level
SPD	Supplementary Planning Document
SPG	Supplementary Planning Guidance
SFRA	Strategic Flood Risk Assessment
SUDs	Sustainable Drainage Systems
SZTV	Screened Zone of Theoretical Visibility
TA	Transport Assessment
TfL	Transport for London
TPO	Tree Preservation Order
TRDC	Three Rivers District Council
TVIA	Townscape and Visual Impact Assessment
WFD	Water Framework Directive
Zol	Zone of Influence
ZTV	Zone of Theoretical Visibility
ZTVI	Zone of Theoretical Visual Influence