11 Glossary

BGS British Geological Survey
BH Borehole
Cess An area at the side of the track, outside the sleeper ends
Cill level The level of the bottom of a doorway or top of a retaining wall (the level at which flood water could enter)
CIRIA Construction Industry Research and Information Association
CTRL Channel Tunnel Rail Link
DDA Disability Discrimination Act
DEFRA Department for Environmental Food and Rural Affairs
DLR Docklands Light Railway
EA Environment Agency
EIA Environmental Impact Assessment
EIP Emergency Intervention Point
ELRED East London Resource Development Abstraction: a scheme by Thames Water to use water from previously untapped sources to meet the water needs of East London.
EMP Environmental Management Plan
ES Environmental Statement
EWS English, Welsh and Scottish Railway Ltd
FEH Flood Estimation Handbook
FSR Flood Studies Report
GARDIT General Aquifer Research, Development and Investigation Team
GEML Great Eastern Main Line
GQA General Quality Assessment: the EA’s national method for classifying water quality in rivers and canals. The water quality is assessed using four separate categories: chemistry, biology, nutrients, and aesthetics.
GW Groundwater
<table>
<thead>
<tr>
<th>Abbreviation</th>
<th>Description</th>
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<tbody>
<tr>
<td>GWF</td>
<td>Groundwater Flow</td>
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<tr>
<td>GWL</td>
<td>Groundwater Level</td>
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<tr>
<td>GWQ</td>
<td>Groundwater Quality</td>
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<td>GWML</td>
<td>Great Western Main Line</td>
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<tr>
<td>HBDR</td>
<td>Hybrid Bill Design Report</td>
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<tr>
<td>HEX</td>
<td>Heathrow Express</td>
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<tr>
<td>HU</td>
<td>High leaching potential</td>
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<tr>
<td>IDB</td>
<td>Internal Drainage Board: a board established and administered in areas where a special need for drainage works is beneficial to local communities</td>
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<tr>
<td>JLE</td>
<td>Jubilee Line Extension</td>
</tr>
<tr>
<td>LBGM</td>
<td>London Basin Groundwater Model</td>
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<tr>
<td>LGS</td>
<td>Lower Greensand</td>
</tr>
<tr>
<td>LLAU</td>
<td>Limits of Land to be Acquired or Used</td>
</tr>
<tr>
<td>LUL</td>
<td>London Underground Limited</td>
</tr>
<tr>
<td>Main rivers</td>
<td>Designated by DEFRA and are the responsibility of the Environment Agency</td>
</tr>
<tr>
<td>mAOD</td>
<td>Metres above Ordnance Datum</td>
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<tr>
<td>mATD</td>
<td>Metres above Tunnel Datum (0 mAOD = 100 mATD)</td>
</tr>
<tr>
<td>mBGL</td>
<td>Metres below Ground Level</td>
</tr>
<tr>
<td>MIP</td>
<td>Manual Intervention Point</td>
</tr>
<tr>
<td>MM</td>
<td>Mott MacDonald</td>
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<tr>
<td>NGR</td>
<td>National Grid Reference e.g. the NGR for 562230 Easting and 173450 Northing is TQ62237345</td>
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<tr>
<td>NKL</td>
<td>North Kent Line</td>
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<tr>
<td>NLARS</td>
<td>North London Artificial Recharge Scheme</td>
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<tr>
<td>NLL</td>
<td>North London Line</td>
</tr>
<tr>
<td>NNR</td>
<td>National Nature Reserve</td>
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<tr>
<td>NRFA</td>
<td>National River Flow Archive</td>
</tr>
<tr>
<td>NWTE</td>
<td>Not Worse Than Existing</td>
</tr>
</tbody>
</table>
ODPM  Office of the Deputy Prime Minister

OHLE  Overhead Line Electrification

Ordinary Watercourse

Every river, stream, ditch, cut, dyke, sluice, sewer (other than public sewer) and passage through which water flows which does not form part of a main river. The local authority, and, where relevant, IDBs have similar permissive powers as the EA has on main rivers.

OSD  Oversite development

PPG25  Pollution Prevention Guidelines Nr 25

PWS BH  Public Water Supply Borehole

Ramsar  A wetland site of international importance under the 1971 Ramsar Convention

RQO  River Quality Objective: the EA’s target for water quality in rivers. RQOs are mainly used to set conditions in all the licences granted to industry and commerce for discharges of water into rivers.

SAC  Special Area of Conservation

SCL  Sprayed concrete linings

SI  Site Investigation

SPA  Special Protection Area

SPZ  Source Protection Zone (as published by the Environment Agency)

- Inner source protection zone: 50 days travel time area from any point below the water table to the well. The zone has a minimum radius of 50 m.

- Outer Source Protection Zone: The 400 days travel time area from any point below the water table to the well, or the minimum recharge area required to support 25% of the protected yield, whichever is the larger.

SSSI  Site of Special Scientific Interest

SUDS  Sustainable Urban Drainage Strategy

SWF  Surface Water Flow

SWL  Surface Water Level

SWQ  Surface Water Quality

TBFRW  Thames Barrier Flood Retention Wall

TBM  Tunnel Boring Machine
<table>
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<tbody>
<tr>
<td>TPH</td>
<td>Total Petroleum Hydrocarbons, the sum of Aromatics and Aliphatics</td>
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<tr>
<td>TTZ</td>
<td>Time of Travel Zone: A zone calculated by Mott MacDonald using the Environment Agency methodology where possible. This is used for assessment purposes where an SPZ around an abstraction has not been defined by the Environment Agency.</td>
</tr>
<tr>
<td>TW</td>
<td>Thames Water</td>
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<tr>
<td>UXO</td>
<td>Unexploded Ordnances</td>
</tr>
<tr>
<td>WQA</td>
<td>Water Quality Assurance</td>
</tr>
<tr>
<td>WVW</td>
<td>Wickham Valley Watercourse</td>
</tr>
</tbody>
</table>
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