# **Job title:** Drainage/environmental modeller

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| **Knowledge and experience** | Essential | Desirable |
| A minimum of 5 years experience in environmental numerical modelling including drainage | X |  |
| Good skills in ICM software | X |  |
| Good skills in hydrological and water quality modelling |  | X |
| Good skills in GIS and coding e.g. using FME, Python, Ruby, R, ICMExchange)  | X |  |
| Good skills in data processing, statistical techniques, and data-driven modelling approaches | X |  |
| Good understanding of the UK water industry and environmental regulation, statutory requirements, and emerging government and regulatory priorities. |  | X |
| Understanding of modelling and performance of sustainable drainage systems |  | X |
| Evidence of contributions towards successful business development and project delivery. | X |  |
| Good vision of future industry needs and new research and tool development that could support these. | X |  |

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| **Personal attributes/behaviours** | Essential | Desirable |
| A good communicator in English - excellent written and verbal communication skills | X |  |
| Proven ability to analyse and write up data | X |  |
| Excellent critical thinking and complex problem solving skills | X |  |
| A team player who is committed to working with colleagues across the Flood & Water Management Team | X |  |

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| **Qualifications and skills** | Essential | Desirable |
| Degree and postgraduate (minimum MSc) in a relevant subject area (or equivalent experience) | X |  |
| Professional qualification e.g. Chartered Institution of Water and Environmental Management (CIWEM); Chartered Civil Engineer (ICE) |  | X |
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| **Circumstances** | Essential | Desirable |
| Hybrid working (40% office, 60% working from home) - Yes |  |  |
| Flexible working hours considered - Yes |  |  |
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