# **Job title:** Principal Water Resources Scientist

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| **Knowledge and experience** | Essential | Desirable |
| Extensive knowledge on at least one of the following topics: hydrology and hydrological modelling; groundwater and groundwater modelling; water resources modelling; water resources planning concepts such as best value plans and regional water resource planning. | X |  |
| Familiar with the key literature related to environmental destination. climate change, droughts and drought resilience and UK guidance including UKWIR reports. | X |  |
| Proficient in R or Python programming. | X |  |
| Practical experience with Modflow; GR6J; Pywr; Aquator and/or other hydrological and water resources models. | X |  |
| Experience of aquatic environmental issues in the UK including environmental destination and water quality; deployable output assessments and demand forecasting, including customer behaviour, leakage and supply options. |  | X |
| Knowledge or practical experience in statistical models for environmental variables such as rainfall, river flow, groundwater levels and either regulatory, consultancy or water company experience. |  | X |
| International experience of water resources planning. |  | X |
| Experience of academic publication with peer-reviewed journals |  | X |

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| **Personal attributes/behaviours** | Essential | Desirable |
| Able to understand and present complex water resources issues to experts and non-experts | X |  |
| Excellent critical thinking and problem solving skills | X |  |
| Excellent written and verbal communication skills | X |  |

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| **Qualifications and skills** | Essential | Desirable |
| Undergraduate or master degree in water resources, hydrology, climate change, engineering or equivalent | X |  |
| PhD degree and/or equivalent in water resources, hydrology, climate change or equivalent |  | X |

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| **Circumstances** | Essential | Desirable |
| Hybrid working (40% office, 60% working from home) subject to company’s future arrangement | X |  |