# **Job title:** Water Resources Scientist

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| Main purpose |
| As a member of the Water Resources and Environment Team, this role will support the Floods and Water Group on consultancy and research projects that require water resources experience. Together with the rest of the team, it will help improve water resources planning in the UK and overseas, by using the latest approaches to develop water resources strategies for our clients, whether this is developing new hydrological, groundwater models or water resources modelling or undertaking water resource assessments or developing best value water resources plans. You will work with water companies, regulators, researchers and with our partner consultants to deliver projects on budget and undertake internal and external research projects. |

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| Main duties |
| * Support the development, update, review and run hydrological, groundwater and water resource models in the UK and overseas; * Use tools such as Pywr, Aquator and Modflow to support our clients and undertake analysis; * Support determination of the impacts of climate change, regulation and legislation on water resource systems; * Support the identification of drought risks and undertake drought assessments, including using the latest research guidance; * Support the development of supply and demand data that underpins water resource plans, including yield assessments, leakage analysis consumption data, using UK approaches; * Support the development of options that can meet the supply demand balance, such as new reservoirs, transfers etc and consider the impacts of these on water quality, yield and environmental metrics; * Contribute to the development of water resource plans in the UK and internationally having delivery responsibility for project tasks, which may include short overseas trips; * Support the team with their review of existing plans and provide support to regulators, government and stakeholders reviewing those plans; * Support the identification of areas of new research, for instance in machine learning, emulators and earth observation. Support the research and preparation of peer-reviewed papers. |

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| Job specific duties | |
| * Support senior members of the team to deliver research and consultancy; * Manage small commercial projects according to our quality management system; * Help grow the water resources and environment team by learning new skills and adapting to new approaches as well as developing new techniques; * Work, with support from more senior staff as appropriate - and be part of a team, both in an office and from home; * Provide high value, quality services to our clients. | |
| Group | Flood and Water Management |
| Reports to | To be confirmed |
| Responsible for | n/a |
| Date agreed | June 2025 |