# Job title: Senior/Principal Scientist (Water quality and catchment specialist)

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| Main purpose |
| Lead and further develop our portfolio of research and consultancy work in our water quality services.  Lead and support the delivery of projects.  Provide technical guidance on water quality in the context of catchment management and/or water resources management. |

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| Main duties |
| Project Director, Project Manager, Bid Manager and potentially line management responsibilities.  You will:   * undertake data analysis * develop and use water quality models * contribute to reports and lead on proposals * attend meetings with colleagues and clients. |

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| Job specific duties |
| Your responsibilities will include:   * Leading water resources and water quality management projects, including data analysis and interpretation; * Technical development and delivery of water quality and/or hydrological models, including model scoping, construction and calibration, model use studies, optioneering and cost-benefit analysis studies, to time, budget and the required quality; * Leading modelling project teams to deliver a diverse portfolio of water management projects; * Having a key role in growing our water resources and environment work, both with existing and new clients; * Providing a supervisor role to more junior members in the water resources and environment team. |

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| Current job holder | Click here to enter text. |
| Group | Floods and Water |
| Reports to | TBC |
| Date agreed | 12 August 2022 |

Person specification  
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R0-1 15 February 2022

Education and experience

|  | Essential | Desirable |
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| An environmental related degree | X |  |
| Chartered with a relevant institute |  | X |
| Technical knowledge and expertise in water quality and catchment management, as well as a strong interest in hydraulics, hydrology, hydrogeology, nature-based solutions, blue-green infrastructure, water resources, and the water environment | X |  |
| Good understanding of the UK water industry and its regulation | X |  |
| Experience in the application and/or development of numerical models | X |  |
| Some programming experience (skills in Python and/or the R statistical package etc.) together with an interest in using these skills in the development and implementation of innovative solutions to water management |  | X |
| Successful track record in managing and delivering complex projects, working with inter-disciplinary teams | X |  |
| Experience in proposal writing and winning work | X |  |

Personal characteristics

|  | Essential | Desirable |
| --- | --- | --- |
| Ability to work independently, take the initiative, find solutions and proactively drive progress, while working as part of a team. | X |  |
| |  | | --- | | Good communications skills, written and verbal. | | X |  |
| Experience of line management |  | X |
| |  | | --- | | Resilient, highly motivated, with the ability to stay calm under pressure | |  | X |
| |  | | --- | | High levels of professional pride and attention to detail | | X |  |
| |  | | --- | | Confident and articulate with the credibility to persuade and influence | | X |  |