# **Job title: Scientist (Sediment Transport)**

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| **Qualifications and skills** | Essential | Desirable |
| Bachelor degree in a relevant field (e.g. oceanography, meteorology, applied mathematics, physics, civil engineering). | X |  |
| Postgraduate degree in a sediment transport related field (MSc, MRes, or PhD) |  | X |

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| **Knowledge and experience** | Essential | Desirable |
| Ability in the application of sediment transport models (e.g. TELEMAC, Delft3D, or MIKE) | X |  |
| Ability in programming using one or more languages: Python, Matlab, R | X |  |
| Highly numerate with strong analytical and problem-solving abilities | X |  |
| Good attention to detail, record keeping, presentation and report writing skills | X |  |
| Ability in understanding and processing hydrodynamic and sediment data received from field surveys |  | X |
| FORTRAN programming language |  | X |
| GIS  |  | X |

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| **Personal attributes/behaviours** | Essential | Desirable |
| Ability to work independently, take the initiative, find solutions, while working as part of a team. | X |  |
| Resilient, highly motivated | X |  |
| Attention to detail | X |  |
| Quality and delivery focussed | X |  |
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