



# Senior Research Officer - Water quality and hydrology specialist

**Grade:** 8

**Directorate:** Conservation

**Location:** Based at WWT Slimbridge

**Reporting to:** Wetland Landscapes and Processes Manager

**Main function of post:** To develop, deliver and communicate science to inform the conservation of wetland processes and nature with particular reference to science around water quality and hydrology.

**Supervisory responsibilities:** Project staff, students and volunteers.

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## Main duties of the post

1. To deliver scientific work areas agreed under the WWT Programmes, including experimental/study design, supervision of data collection, data analysis, and scientific reporting, to an international standard.
2. To play a role in ensuring that WWT scientific outputs have maximum impact, for the benefit of wetland conservation and WWT, by pro-actively communicating to:
  - Scientific audiences via peer-reviewed papers, presentations at scientific meetings and technical reports;
  - Staff of other WWT departments needing technical advice;
  - External decision-makers including other NGO's, academic institutions and governmental institutions, and international forums such as multilateral environmental agreements;
  - WWT supporters and the wider public, including features and news items for WWT's Waterlife magazine, articles for the WWT website, public talks and presentations;
  - Other WWT staff, via the intranet, talks and presentations.
3. To support the successful development of the Conservation Evidence Department through pro-actively sharing ideas, skills and working practices, building collaborations with academia, NGO's and government agencies in the UK and overseas, and representing WWT on appropriate national/international research and conservation fora where this meets WWT objectives.
4. To actively maintain existing and develop new scientific skills, and stay abreast of relevant scientific developments.

5. To be responsible for the Project Management of some small/medium projects within WWT Programmes, from concept to completion, including budget, resource and time management, planning and fundraising, communications and logistics, and reporting, in accordance with the WWT Project Management Framework.
6. To participate as a technical expert in project teams as requested, including supporting decision-making by the Project Manager and delivery of project communications.
7. To support the conservation and engagement work of WWT more widely, by responding in timely fashion to requests for input to casework, conservation policy, and engagement with members and supporters.
8. To provide leadership to all staff and volunteers working within a project team, enabling every team member's contribution to be maximised by ensuring that the appropriate levels of direction and support are provided through professional line management in line with WWT's people frameworks.
9. To work alongside volunteers encouraging, developing and supporting them in their work for WWT, ensuring that they have a positive volunteering experience.
10. To be responsible for working within the WWT health and safety policy and guidelines ensuring that the health, safety and wellbeing of yourself and others is an integral part of how you work.
11. To engage with the WWT Sustainability Statement being aware of negative environmental impacts and incorporating sustainable ways of working within your role.
12. To interact with our visitors and supporters in a positive way, shaping unforgettable experiences and helping them understand and connect to wetlands.

In addition to the duties and responsibilities listed, the post holder is required to perform any other reasonable duties that may be assigned by the supervisor shown above, from time to time.

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**Date raised:**

**Amended:**

# Person Specification

## 1. Qualifications

### *Essential:*

- Degree or equivalent experience in a relevant subject, for instance Geography or Biology
- Postgraduate, or equivalent experience, in a relevant subject/scientific research
- Current driving license and passport

## 2. Experience

### *Essential:*

- Experience of experimental/study design, data collection and analysis, and scientific reporting in relevant subject(s)
- Experience and knowledge of national and international conservation issues, especially as they relate to wetlands
- Experience of managing the collection, and analysis of field data
- Record of publishing in international scientific journals
- Substantial experience and skills in relevant data gathering /data management methods
- Experience of working with and managing citizen scientists and volunteers
- Specialist skills in monitoring and analyzing data in the areas of water quality OR hydrology.

### *Desirable:*

- Specialist skills in monitoring and analyzing data in the areas of water quality AND hydrology.

## 3. Managerial & Supervisory

### *Essential:*

- Ability to manage scientific staff, research students and volunteers, including those that are out-posted

Type of staff	Number managed	Number supervised
Employed Staff	0 – 2 (during projects)	0
Volunteers / Casual Workers	0 – 4	0-20+ (citizen science projects)
Contractors	0 - 4	

## 4. Responsibility

### *Essential:*

- Ability to lead some WWT work areas that have national and international impact and profile

- Ability to manage and implement national and international conservation projects effectively, including budget management
- Ability to manage a project budget and equipment assets efficiently within science projects ensuring compliance with all WWT policies and procedures

**Levels of Responsibility:**

Type of Responsibility	Level (£'s)
Expenditure (sign off level)	Up to £1,000
Project Size (normally managed)	Small/medium
Cash Handling	£0
Assets (required for job, exc. buildings)	£10,000
Visitors (per annum)	N/A

## 5. Creative Ability

**Essential:**

- Able to negotiate with, persuade and influence a wide range of stakeholders, both internally and externally, nationally and internationally
- A creative thinker, able to manage and adapt WWT projects
- An excellent problem-solver, able to find solutions to issues and challenges that arise in WWT projects
- An ability and resilience to work under pressure and adapt to rapidly changing circumstances
- Intellectually able and curious, with an ability to stay abreast of cutting-edge developments in wetland science.
- Some degree of autonomy over work areas, including as they relate to external influence and impact
- Ability to work independent of day-to-day supervision, including managing WWT projects and working away from HQ

## 6. Contact

**Essential:**

- Ability to collaborate with and influence personnel from external scientific stakeholders, demonstrating advocacy and communication skills to ensure WWT objectives are met
- Ability to maintain a network of external national and/or international scientific contacts, in-country statutory agencies, academia and/or NGOs
- Ability to work closely with Managers and Sponsors of WWT's conservation projects, ensuring effective delivery
- Excellent communication and media skills – verbally, visually and in writing
- Ability to represent WWT both nationally and internationally.