

Water Environment Regulations (WER)



Our Expertise

WER project experience includes:

- River WER compliance assessments for developers (including flood schemes, road and rail infrastructure and erosion control projects)
- Coastal WER compliance assessments for new sea defences, harbour upgrades and beach recharge schemes
- Preliminary and detailed WER assessments
- Advising on Article 4.7 for Competent Authorities
- Reporting WER assessments as part of the Environmental Impact Assessments (EIA)/Environmental Statement process
- Understanding of the scientific and practical bases of mitigation measures
- WER assessments for various clients (including utilities, highways, rail and the Environment Agency)

Other relevant experience includes:

- Digital WER tool currently in development to improve efficiency and robustness of conclusions
- Proposal to develop templates for all Environment Agency Next Generation Supplier Arrangements (NGSA) WER assessments

The overall goal of the European Water Framework Directive (WFD) is for Member States to achieve "good ecological and chemical status" in all surface water and groundwater.

In the UK WFD is now covered under the **Water Environment Regulations (WER)**. In Ireland WFD is used.

As well as being involved in the development of national WFD guidance for Regulators (such as the Environment Agency's Mitigation Measures Manual), staff at Jacobs now have considerable experience in undertaking WER compliance assessments for a wide range of development types. Jacobs offers multidisciplinary, specialist staff with WFD experience in aquatic ecology, hydrology, geomorphology and water chemistry amongst other specialisms.

ABOUT JACOBS

At Jacobs, we're challenging today to reinvent tomorrow by solving the world's most critical problems for thriving cities, resilient environments, mission-critical outcomes, operational advancement, scientific discovery and cutting-edge manufacturing. With \$14 billion in revenue and a talent force of approximately 55,000, Jacobs provides a full spectrum of professional services including consulting, technical, scientific and project delivery for the government and private sector.

CONTACT US

Ian Griffin –
Head of Discipline for
Water Science & Geomorphology
Tel: +44 (0)118 946 7066
Email: Ian.Griffin@jacobs.com

Rebecca Westlake –
Senior Associate Director
Email: Rebecca.Westlake@jacobs.com

Nick Chapman –
Senior Geomorphologist
Email: Nick.Chapman@jacobs.com

DELIVERING VALUE – PROJECT EXAMPLES

Fowey Estuary: Coastal WER Assessment (for Network Rail)

- Undertook coastal WER assessments for proposed repair and upgrade work to rail embankments at the edge of the estuary
- Followed Clearing the Waters guidance for coastal WER assessments
- Ensured the scheme was compliant with WER objectives



Chelmsford North East Bypass: Preliminary and Detailed WER Assessments (for Essex County Council)

- Undertook two stages of WER assessment as the scheme progressed from scoping to full ES
- Influenced design to ensure compliance with WER objectives
- Recommended control measures for residual impacts
- Ensured that the scheme would be compliant with WER



Haweswater Aqueduct Resilience Programme: Detailed WER (United Utilities)

- Five separate WER assessments for a major utilities' upgrade
- Assessment of five stages of the project (enabling, construction, commissioning, operation and decommissioning)
- Mitigation recommendations
- Scheme compliant



Advice on Article 4.7 to Royal Borough of Maidenhead and Windsor on the "Maidenhead Ring Canal"

- The proposal aims to enhance a 2.1km "ring" of waterways around Maidenhead town centre, including Moor Cut and York Stream (part of a Thames water body)
- The plan includes the widening of a section of water body to allow narrow boats, canoes and punts to use the waterway
- Project promoter is the Maidenhead Waterways Restoration Group (MWRG), which has been campaigning since 2006
- This is the first known project in UK to require Article 4.7 assessment
- Jacobs advised the Royal Borough of Windsor and Maidenhead as the Competent Authority at various junctures throughout the planning process



www.jacobs.com
and connect with Jacobs on



© Copyright 2021 Jacobs Engineering Group Inc.
All rights reserved.