

David C **BEALE** MSc BEng MICE MCIWEM

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**Born:** 1947 **Address:** 1 Mary Vale, Godalming, Surrey, GU7 1SW, UK.

**Employment:** 2000 to date, Independent Consultant  
1991–2000 DHV Consultants, Associate Director  
1981-1991 Howard Humphreys & Partners, Hydrologist and Principal Engineer  
1980-1981 Newcastle University, MSc course in Engineering Hydrology  
1977-1980 Sir M MacDonald and Partners, Hydrologist & Irrigation Engineer  
1974-1997 JD & DM Watson, Hydrologist & Engineer  
1970-1973 VSO/ODA Engineering Hydrologist in Jamaica

**Expertise:** Over forty five years of worldwide specialist work in sewerage, hydrology, flood studies, storm drainage and water resource assessment. Extensive experience in providing both long and short term project technical inputs. Specialist in managing integrated water supply, sewerage and drainage projects. Experienced in working with International Contractors, Consulting Engineers, Government Departments and International Agencies.

**Recent jobs:**

- Hydrologist and Drainage Engineer, UK.. A number of small scale projects for a variety of clients, including flood risk assessments and drainage design studies, often involving local authorities and the Environment Agency.
- 2018 Projects: Following the flooding of a new development undertook a review of drainage design and reasons for flooding. Prepared a formal report for adjudication hearing. Undertook a report on probable causes of flooding of garage block.
- 2017 Projects: Studies on causes of property flooding and flood reduction strategies. Study of the impact of landscaping works on flood flows. Assistance with assessment of pump flows..
- 2016 Projects: Hydrologist and Drainage Engineer for Roughton International, Kenya, provided assistance with the drainage design for 320km of road parallel to the Tana River. Reported on flooding to footpath and recommended remedial measures. Report on flooding of recently landscaped area..
- 2015 Projects: Assessment of the impact of quarry rehabilitation works on downstream flooding. Report on causes of property flooding and remedial measures. Hydrologist and drainage Engineer, SM Consulting Engineers, Lesotho. Drainage design for 42km of rural road upgrading between Mesitsaneng and Ha Tsepo Road
- International sanitation and drainage expert, Roughton International, Vanuatu. Design of road drainage in Port Vila and improvements to sanitation and sludge disposal.
- Hydrologist and drainage Engineer, Roughton International, Zambia. Hydrological analysis for two bridges on the Lunsemfwa and Chipaba rivers with associated approach road drainage.
- Hydrologist and drainage Engineer, Roughton International, Lesotho. Drainage design for 64km of rural road upgrading near Joel's Drift.
- International drainage, sanitation and water supply expert, AECOM, Bangladesh. Assisting and collaborating with national project team to identify the impact of Climate Change on three coastal towns and preparing prototype schemes to ameliorate such impacts.
- Wastewater Expert, Syria, Rural Damascus Water and Sanitation Project, Dornier-Schneider Consulting, Hydraulic modelling, design of sewerage extensions and surface water drainage and preparation of Tender Dossiers for sewerage networks in 14 towns to the south west of Damascus.
- Hydrologist, Surinam Suriname Water Supply Master Plan, Ilaco Consultants. Hydrological review of the surface water resources of Suriname including rainfall and river yield assessments.
- Drainage and Sanitation Engineer, The Study for Improvement of Water Supply and Sanitation in Metro Cebu, Republic of the Philippines, Nippon Koei UK. Review of existing sewerage and drainage and formulation of a conceptual plan and approaches on sanitation improvement.
- Hydrologist and Drainage Engineer for four small projects in UK, assessing drainage problems and yields from wells and ponds.
- Hydrologist and Drainage Engineer for four rural road projects in Albania, Ethiopia and Lesotho, Roughton International. Hydrological review of flood flows, design of structures, cross drains and roadside drainage.
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**Countries of work:** Abu Dhabi, Albania, Bangladesh, Bhutan, Cyprus, Eritrea, Ethiopia, The Gambia, Ghana, Hong Kong, India, Iraq, Jamaica, Jordan, Kenya, Kuwait, Lesotho, Malaysia, Nigeria, Philippines, Qatar, Romania, Sierra Leone, St. Lucia, Sri Lanka, Suriname, Syria, Thailand, Trinidad, U.K., Vanuatu, Vietnam, Zambia