Jeremy William Hidderley MSc, BSc (Hons), CGeog (GIS)

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**Personal Statement:** I have over ten years’ experience in the geographic data and civil engineering industry that is underpinned with a BSc (Hons) in GIS and Remote Sensing. This skill set has been built upon by studying for an MSc in Rural, Environmental and Land Management. I am currently a Senior Consultant for AECOM Ltd, working on a number of projects for the UK’s statutory Water and Sewerage companies, the Environment Agency and construction companies in the Middle East. I have both technical and project management responsibilities. I am a flexible person, with experience of data collection, analysis and visualisation.

**Key Achievements:**

* I am the Lead Finance Governor and Resources Committee Chair Person at the Castle Primary School in Tiverton
* I became a Chartered Geographer (GIS) in April 2014.
* I currently sit on the Association of Geographic Information’s Asset Management Special Interest Group, helping to organise and chair seminars.
* I am an accredited project manager within AECOM.

**Education:**

* MSc in Rural, Environmental and Land Management at Harper Adams University College. Modules include Farm Conservation Policy and Management, Estate Taxation, Law, Farm Building Design, Research Methods, Planning Systems (including study in to Local Development Frameworks).
* BSc (Hons) in GIS and Remote Sensing from Bath Spa University. Modules included digital mapping, digital terrain modelling, remote sensing, GIS, field surveying and project management.
* 3 A-levels (grades D), 11 GCSE (grade A\* - C).

**Key Technical Skills**

* Data Analysis, Manipulation, Management, Visualisation making use of the following software packages
* R
* Tableau/Power BI
* ArcGIS Desktop, Spatial Analyst, 3D Analyst, Schematics and Network Analyst
* ArcGIS Online, ESRI Collector App
* ArcGIS Model Builder and Python programming for automation of spatial analysis.
* Microsoft Access and Microsoft Excel

**Further Training:**

* Environment Agency T98 Asset Inspector Qualification (May 2016)
* Managing AECOM Projects (AECOM, 2015)

**Professional Groups:**

* Fellow of the Royal Geographic Society (RGS)
* Member of the Association of Geographic Information (AGI)

**Presentations**

* “The value of GI in modelling the hydraulic performance of water distribution networks” presented to Association of Geographic Information Utilities Special Interest Group on 18th March 2009.
* “The use of open data for consequence analysis in strategic asset management” presented to the Association of Geographic Information’s Asset Management Special Interest Group on 9th October 2017.

**Conference Proceedings**

* “Modelling and calibration of water distribution networks: A case study from the Wessex region - E.L.S. Boivin, M.A.M. Mansoor, J. Hidderley& K. Vairavamoorthy” published and presented to Computing and Control in the Water Industry 2009 at Sheffield University on 1st September 2009.
* [Developing an investment strategy for S105a Private Sewers as adopted by UK sewerage undertakers since 2011](http://www.agi.org.uk/storage/GeoCommunity/AGI13/Speakers/ppts/JeremyHidderley.pdf)- Jeremy Hidderley, AECOM, presented at Geocommunity 2013, Nottingham University on 17th September 2013.
* Sewerage Infrastructure Asset Management Tools & Techniques - A Demonstration of Methods from UK Utilities – Ward. B, Hidderley. J. To be published and presented to Expoapa 2014 conference on the 16th June 2014 in Bucharest.

**Employment:**

* **AECOM Ltd 06/2012 to present**

I am currently a Senior Data Analyst for AECOM Ltd. I work within the Water Asset Management team. My work is currently centred on the Price Review 2019 (in order to establish customer prices/asset investment in water companies for the coming 5-year asset management period) where I have been assisting South West Water and Yorkshire Water in understanding the level of investment required to maintain underground assets.

In working for both South West Water and Yorkshire Water I am leading teams including GIS technicians and developers to deliver datasets needed to develop the investment plans for the current round of price reviews.

I am also leading a project to undertake structural condition inspections of flood defence assets for the Environment Agency and working with engineers to estimate required levels of investment to bring these assets back to a “good” condition.

I have recently delivered live dashboards to aid a school buildings programme in Saudi Arabia, providing business intelligence to multiple levels of the organisation regarding the progress of the building programme.

I support colleagues within the office with queries about data and software specific functions (e.g. ArcGIS, Tableau), enabling others to make the most of their data and software available.

* **Halcrow Group Ltd 10/2007 to 06/2012**

I was previously a GIS Analyst for Halcrow Group Ltd, undertaking a range of GIS data collection and analysis tasks mainly for local and national authorities (and subsequent contractors). I undertook completed a number of data collection and condition assessments for the Environment Agency (flood defence assets) and Thames Water (all above ground, clean and dirty water assets between Reading and Swindon. This included water treatment and pumping stations and sewerage treatment and pumping station). I also completed a large scale land cover mapping project for all trunk roads for the Welsh Assembly Government. I originally joined Halcrow to work on a clean water modelling project for Wessex Water. I built and calibrated two distribution network models in addition to managing the data collection team (installing and retrieving pressure loggers and using GPS to survey those locations).

* **BLOM Aerofilms 05/2005 – 09/2006 and 01/2007 to 09/2007**

I previously worked for two years at BLOM Aerofilms undertaking land surveys using Total Station, GPS, Digital Level and 3D Scanners (mainly Leica, but also Trimble and Ashtech). I undertook many surveys across the United Kingdom, Ireland, Belgium and the Caribbean, relying heavily upon my ability to communicate well with locals and land owners to complete the surveys successfully. Clients included the Ordnance Survey, Highways Authority, Environment Agency, local and national government, and private individuals. Use of key software includes Leica Geo-office, Leica Cyclone, AutoCad 2006, Geosite Professional and Microsoft Office Suite.

**Personal Interests**

* I am an Explorer Scout Leader for Tiverton & District Scouts, managing the development of scouting provision for 14 to 18 year olds; in addition to this, I have previously managed other volunteers and I am also a training adviser, supporting a number of leaders through the Scout Associations training programme.
* Cooking.
* I enjoy attending CPD events for mapping and surveying for my own interest as much as for professional development. I currently sit on the committee running the Association of Geographic Information’s Asset Management Special Interest Group.