



Jo Mankelow is Team Leader for Mineral Resources and Policy at the British Geological Survey (BGS). He is responsible for delivery of applied research on issues related primarily to the security of supply of mineral resources and assisting local and national government (UK and overseas) with issues regarding planning for and the future supply of minerals. He has worked for the BGS for 15 years during which he has overseen development of UK datasets delineating the location and extent of mineral resources (both onshore and offshore) and projects investigating various aspects of UK aggregates supply. He recently chaired the UK Minerals Forum Working Group which examined future mineral scenarios and their implications for maintaining supplies of essential minerals to meet the needs of the UK economy over the 35 years to 2050. (<http://www.ukmineralsforum.org.uk>)



Hugh Carson retired in 2006 after a decade as headmaster of Malvern College. Previously he was headmaster of Denstone College. Before that he was a housemaster, and teacher of modern history and politics, at Epsom College. He was a chorister at Canterbury Cathedral in the 1950s and went to Tonbridge School in the 1960s. His education continued at the RMA Sandhurst, London University and Reading University. His nine years commissioned service from 1967 was in the Royal Tank Regiment. Following a tour as an instructor back at Sandhurst in the early seventies he left the army to become a schoolmaster. For 22 years Hugh and his wife Penny owned a small farmhouse on Ecton Hill. Geoff Cox, the owner of the hill's mineral rights, was his next door neighbour, a quarter of a mile away. After Geoff died his wife Elizabeth encouraged the creation of Ecton Mine Educational Trust (EMET) the charitable trust which now owns the mineral rights, oversees the Geoff Cox Education Centre, and maintains the safety of the mines. Its main aims are to encourage interest in the mine and mineralogy. Hugh has been its chairman since shortly after he retired from Malvern.



Mike Young Bsc (Hons) MRICS MIQ - Mike is a Chartered Surveyor with over 21 years' experience of securing planning consents for large scale mineral operations across the UK. Mike is currently Head of Land & Mineral Resources at Hope Construction Materials established in January 2013. Mike began his career in the opencast coal sector with Crouch Mining, Coal Contractors and HJ Banks. Most recently Mike worked in the aggregates sector for Tarmac. Mike is a member of the Minerals & Historic Environment Forum (MHEF).



Brian Duthie is a Chartered Geologist and Fellow of the Institute of Quarrying, with over 25 years' experience within the extraction and construction industries as a Geotechnical Engineer. He is a director of Key GeoSolutions Ltd, which he co-founded in 2000. He is a member of the QNJAC geotechnical sub-committee and was a member of the consultation committee for the geotechnical aspects of the Quarries Regulations 1999.



Richard Lashmore joined Knights in 1991, has been a Partner since 1992 and is Head of Mines & Minerals Unit. He has a wide experience of the quarrying and waste industry acting for operators, mineral owners and public authorities, with a particular emphasis on dealing with larger and complex transactions and technical issues in a commercial context. This work includes mining, quarrying and waste agreements, leases, licences disposals and acquisitions; mineral ownership and rights including manorial rights; specialist advice on the mining code and compulsory acquisition of rights; post-quarrying use and development; and involvement in dispute resolution on quarrying waste and minerals related issues. Richard has published articles on his specialist area and is a regular speaker at conferences. He has provided training for the Land Registry on mineral ownership issues and is a member of the CBI Minerals Group.



Dr. Carolyn (Caz) Jewell is Programme Manager for Nature After Minerals (NAM), a partnership between RSPB and Natural England, with support from the Mineral Products Association and British Aggregates Association. Her role involves working closely with all stakeholders around the minerals industry, promoting the huge benefits that high quality restoration on operational and worked-out quarries offers for both wildlife and people. Prior to joining the NAM team in 2011, she worked with an ecological consultancy, which afforded her the opportunity to gain valuable experience in planning and stakeholder engagement, as well as consideration of appropriate measures for the conservation of a wide range of protected species, including bats and amphibians. She holds a PhD in Ecology, with her academic work focusing on insects and their responses to climate change and habitat management regimes.



Eric Darlow MBE has been in the quarrying industry for the past 58 years - 30 of those years as HM Inspector of Quarries - first in Scotland, followed by Somerset, and then at

HSE's Policy HQ London. This was followed by promotion to Senior Inspector of Quarries based at Bristol, and then promotion to Head of HM Inspectorate of Quarries based at Liverpool. His most influential policy role at the same time was Head of the Quarries National Interest Group. On retirement he became a Health and Safety Advisor and is currently chair of the BAA Standards and Awards Panel which he has held for the last 8 years. He is the author of two editions of the book - *Health and Safety Law in Quarries*. He was awarded the MBE for services to the quarry industry in the 2012 New Year's Honours List.



Roy Bush has been in quarrying all his working life, starting as a laboratory technician in an aggregates testing laboratory and then in a commercial position before moving into profit responsible quarry management. He has experience managing sand and gravel, limestone and hard rock quarries at both site and area management level, and worked 18 years in the industry. Since 1993 Roy has worked for the HSE in the capacity of HM Inspector of Health and Safety specialising in the inspection of quarries, until 2008 an operational inspector carrying out physical inspections of quarry sites. Since then he has held positions in the HSE's Metals and Minerals Manufacturing Sector and latterly NQIT advising on and developing national policy on interventions with the quarrying industry.



Cath Pickett has worked as a Quarry Inspector for the Health & Safety Executive since 2001. After graduating from Cardiff (BSc Geol.) 1995, Cath worked for Tarmac as a Quarry Manager and Assistant Quarry Manager of various sand & gravel, and hard rock quarries. She has responsibility for inspecting Quarries in Wales and the Midlands. She completed a Post Graduate Diploma in Occupational Safety & Health in 2007. She is a member of the QNJAC Sub Committees on both Geotechnics and Road Haulage and is the lead inspector with the BAA and Aggregate Industries UK Ltd.



Adrian Wilkinson is an aggregates geologist with over 20 years' experience solely within the quarrying industry undertaking site investigations and producing quarry development plans. He is a Chartered Geologist and Fellow of The Geological Society of London, a Member of the European Federation of Geologists, a Member of the Institute of Quarrying and a Member of the Irish Mining and Quarrying Society. Educated in Applied and Environmental Geology at

Birmingham University and Applied Geotechnics at Camborne School of Mines, he was formerly employed by RMC (now Cemex) and Tarmac. He formed QuarryDesign in 2004.



Adrian Keeling QC has been at No 5 Chambers since June 2006. He studied law at Cambridge University and was initially at Fountain Court Chambers Middle Temple from 1989. He is a silk who specialises in regulatory, professional misconduct and compliance, fraud, and criminal work. He is recommended in both Chambers UK and the Legal 500 as a Leader in his Field. He has extensive appellate experience both in Judicial Review in the High Court and in the Court of Appeal. Adrian has ability and experience in the most factually complicated of cases, to understand, marshal and convey in clear and simple terms. His recent casework has included "Operation Elveden" representing a series of Sun journalists at the Old Bailey, "Plebgate" instructed by the Chief Constable of Warwickshire, numerous high value frauds, other "white collar crime", gross negligence manslaughter, as well as contract killing and numerous other murders. Adrian is also experienced in Health and Safety work and workplace fatalities. He practised in personal injury work at a very high level for many years whilst at the junior bar.



Phil James BSc Hons DMS MSc FCIM MIOD

Began career in construction. 15 Years in Professional Bodies. 7 Years as Quarry Manager. 3 Years IQ Chief Executive.



Julian Smallshaw FIQ, FHEA, BSc

Began career as a Quarry Manager. 20 Years member of IQ. 10 Years Institute of Quarrying. 5 Years Head of Education.



Emma Bellingham

Began career in construction training. 3 years in the construction industry. 2 Years with MPQC Awarding Body. IQ's new Professional Development Officer