Environmental Geotechnical Specialists

insite

ISSUE 2
MARCH 2015

#1DecadeOfDrilling
RGS Building on 10 years of growth

REGULAR NEWS AND VIEWS FROM **ROGERS GEOTECHNICAL SERVICES**

>welcome

Welcome to RGS insite issue 2

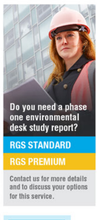
Our regular newsletter celebrating a decade of drilling that keeps you up to date with RGS and industry news.

Rogers Geotechnical Services Ltd are **site investigation specialists** offering ground investigation and geotechnical services to developers, builders, structural and consulting engineers, architects, insurance companies, local authorities, piling and foundation engineers, private individuals and other geotechnical consultants.

Going Corporate: RGS workwear

We've now taken delivery of our new corporate clothing.

Left to right above **Steve Rogers:** Technical Director, **Dev Singh:** Field and Laboratory Technician and **Emma Lewis:** Managing Director, model the smart branded sweatshirts, bearing our new tagline: Decade of Drilling - RGS building on 10 years of growth.



Do you need a phase one environmental desk study report?

RGS STANDARD

RGS PREMIUM

Contact us for more details and to discuss your options for this service.

Good Luck Emma!

We all knew that our very own Emma Lewis has great leadership skills - and now it's official.

Emma has been shortlisted for the Business Leader of the Year category in the prestigious Women in Construction awards.

Celebrating their ninth year, the awards are organised by Excel Publishing in conjunction with Housing Magazine and Builder & Engineer Magazine and will be judged tonight when the Building sector's most talented female professionals converge on Lancashire County Cricket Ground to enjoy an evening of awards, networking and entertainment.

Good luck Emma - we'll all be rooting for you in this new category, which has attracted first-class entries from across the industry.

WOMEN in CONSTRUCTION AWARDS 2015

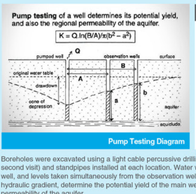
CASE STUDY

RGS appointed to assess flood risk at historic site on banks of the Thames

Case details: RGS has worked with a major national flood risk consultant to assess the dangers presented at a historic site, on the banks of the River Thames in Buckinghamshire.

The assessment was necessary to enable the client to assess the site - which is in close proximity to the river and underlain by an aquifer - and involved installing boreholes, with standpipes, to undertake pumping tests as part of a hydraulic assessment and to assist preparation of a remedial action plan.

Contract requirements: Provide a cut-down light cable percussive rig for the second visit due to access restrictions. Pre-start site visits were undertaken by RGS Operations Director, Chay Rogers (pictured) who liaised with the client to establish access requirements and to establish a detailed knowledge of site characteristics.



Pump Testing Diagram

Project specification:

The technical requirements included provision of:

- 1 pumping well with monitoring standpipes
- 7 observation wells with monitoring standpipes
- Full time professional attendance
- Second visit - installation of further monitoring standpipes using a cut-down drilling rig.

Boreholes were excavated using a light cable percussive drilling rig (cut down rig on the second visit) and standpipes installed at each location. Water was pumped from the main well, and levels taken simultaneously from the observation wells, in order to establish the hydraulic gradient, determine the potential yield of the main well, and assess the regional permeability of the aquifer.

Case Outcome: Successful risk flood risk assessment that included pump testing of an observation well to determine its potential yield and also the regional permeability of an aquifer.

The Invisible House Project!

RGS continues to work on this ground-breaking project and our two engineers, James and Sam were onsite.

Their remit included undertaking a rock slop stability analysis, lab testing and a geological report to include a survey of dip and strike, stability analysis using stereo-nets and suggested parameters for design of retaining structures.

For a project overview **click here.**

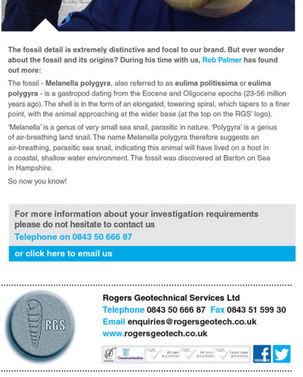
Work Experience at RGS

RGS prides itself on our career and professional development opportunities and we were delighted to welcome Rob Palmer on work experience.

Rob (below) graduated from Keele University last summer with a 2:1 on the MSc Geoscience course.

> My fourth year module was entitled Hydrological and Engineering Geology and I gained an insight into geotechnical engineering, which found particularly interesting. So I was delighted when RGS offered me the work experience.
>
> During this time, I was lucky enough to do some trial pitting at a farmer's waterlogged field, involving drilling 2m holes and taking soil samples at different depths. The testing and analysis is still ongoing so it will be interesting to see the results.
>
> The work has been really hands on and invaluable in giving me a practical follow-up to my degree. I am now completing a couple of weeks in the RGS lab, working on the accreditation project so I am benefiting from some excellent experience which will really strengthen my CV.
>
> I am grateful to everybody at RGS for giving me the experience to see theory demonstrated as good practice."

About the RGS logo



The fossil detail is extremely distinctive and focal to our brand. But ever wonder about the fossil and its origins? During his time with us, Rob Palmer has found out more:

The fossil - **Melanella polygyra**, also referred to as **eulima politissima** or **eulima polygyra** - is a gastropod dating from the Eocene and Oligocene epochs (23-56 million years ago). The shell is in the form of an elongated, towering spiral, which tapers to a finer point, with the animal approaching at the wider base (at the top on the RGS' logo).

'Melanella' is a genus of very small sea snail, parasitic in nature. 'Polygyra' is a genus of air-breathing land snail. The name Melanella polygyra therefore suggests an air-breathing, parasitic sea snail, indicating this animal will have lived on a host in a coastal, shallow water environment. The fossil was discovered at Barton on Sea in Hampshire.

So now you know!

For more information about your investigation requirements please do not hesitate to contact us
Telephone on 0843 50 666 87
or click here to email us

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