



The
Geological
Society

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HYDROGEOLOGY : THE FIVE W'S

By Deborah Thomas

So What is Hydrogeology?

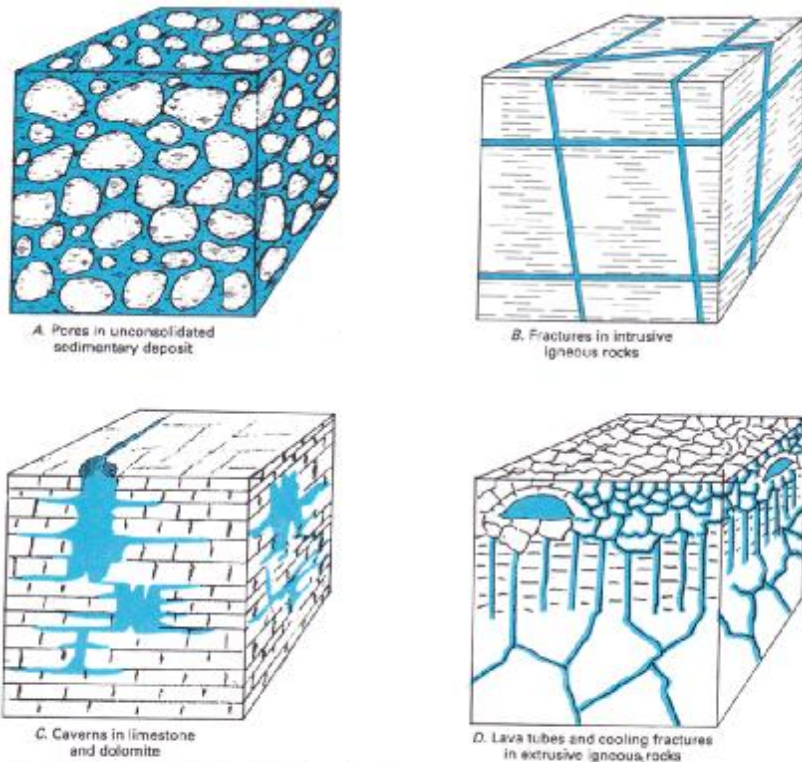
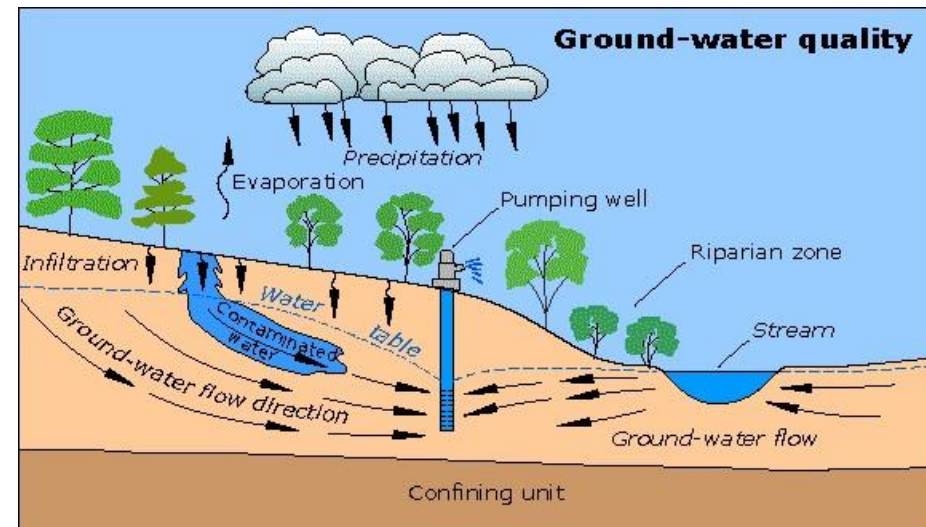


Figure 2. Types of openings in selected water-bearing rocks. Block A is a few millimeters wide, block B is a meter or two wide, and blocks C and D are a few tens of meters wide.
USGS Water Supply Paper 2242 - Heath, 1984

Hydrogeology is the study of the movement and distribution of groundwater in superficial and bedrock aquifers (referred to as aquifers).



Why would we care?

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Who works in Hydrogeology?

- Consultancy / Independent
- British Geological Survey
- Research and PHD
- Water Resources
- Regulatory: Environment Agency and Natural England
- Hydro-ecology
- Energy (radioactive and geothermal)
- Mining / Quarrying
- Agriculture / Food and Drink
- Waste Management
- Charities



Where do Hydrogeologists work?



All over the world!



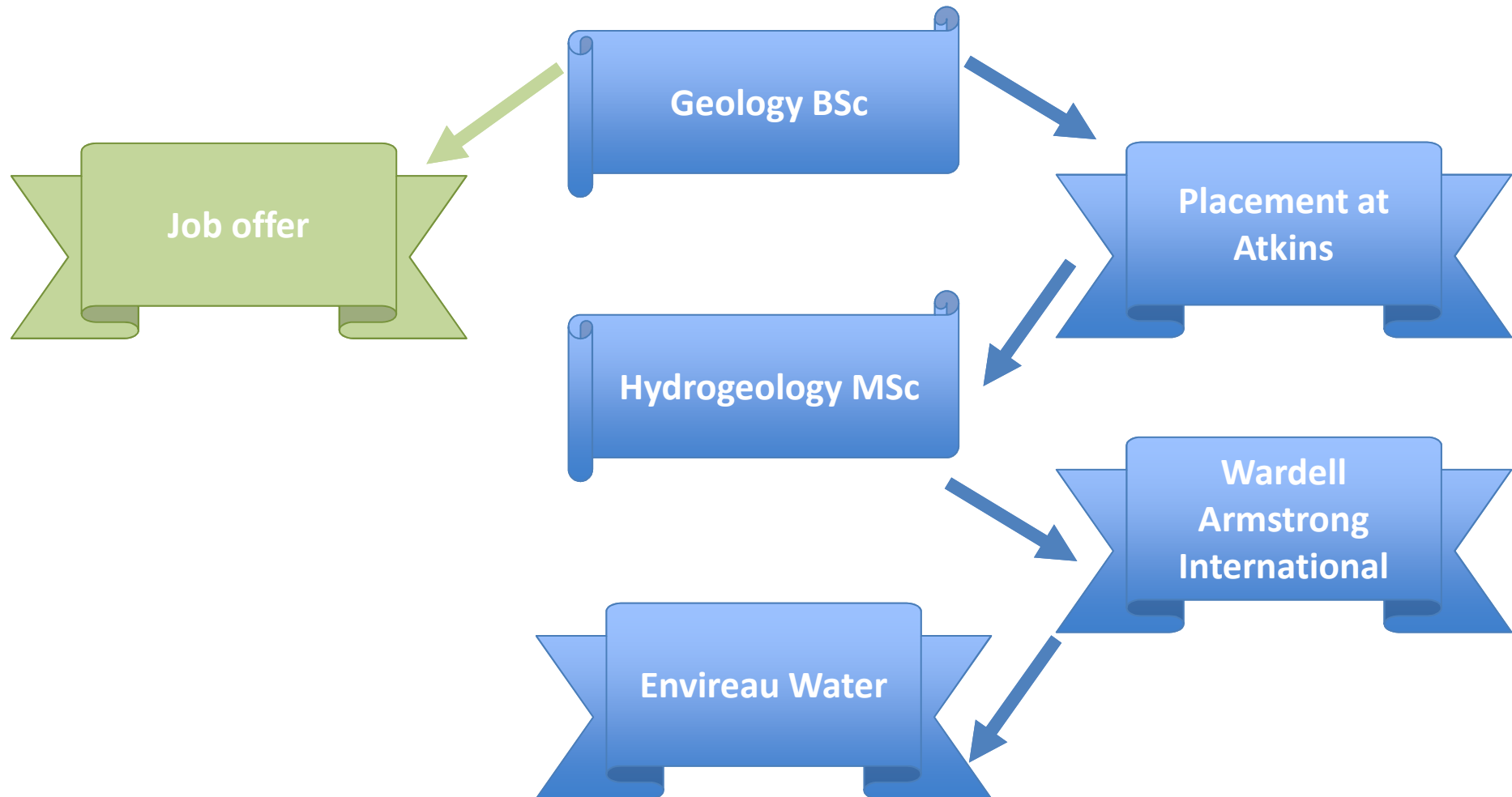
When can you start being a Hydrogeologist?

- BSc Geology Module Content
- Guest Speakers and Conferences
- Work placements / Intern positions
- Targeted Dissertation projects
- MSc Hydrogeology / Hydro module of a MSc
- Graduate Hydrogeologist or Environmental Scientist positions



Case Study: Deborah Thomas Route into Hydrogeology

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Summary: Why I chose Hydrogeology



- Protecting the environment
- Option to specialize into a specific area
- Varied work
- Connected thinking and conceptualisation
- Long term requirement = job protection
- Mixture of field and office based work

A day in the life of a Senior Hydrogeologist



THE REAL FIVE W'S OF HYDROGEOLOGY

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**THANK YOU FOR LISTENING.
ANY QUESTIONS?**

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