

IAH
SOUTH
AFRICA

Groundwater Field School: Investigation and Siting Mon 13 July 2020 Pretoria

About the course: The course will expose the attendee to principles of hydrogeology, focused around the desk-top and non-invasive field-based data acquisition techniques to compile an initial conceptual hydrogeological understanding for the siting of boreholes on scientifically sound and environmentally sustainable targets.

Who should attend: The course is aimed at SAQA level 8, implying a four-year BSc, BTech or BEng degree in water-related fields.

Accreditation is underway for 1 CPD with SACNASP and ECSA.

Provisional programme: Presentation will be mostly field-based, incorporating theory, field methods, and interpretation.

07:30-08:00 Registration

08:00-10:00 Theory introduction

(groundwater hydrology; remote sensing; geophysical methods; hydrostratigraphy; reporting requirements)

10:20-15:20 Field techniques

(hydrocensus, mapping, geophysics)

15:40-17:00 Closing

(Interpretation, reporting, discussion)

Presenters will be announced but, and will include professionally qualified and experienced hydrogeologists associated with the GWD or IAH.

QUALITY

SUPPLY

MANAGEMENT

SUSTAINABILITY



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Groundwater Field School: Drilling and Construction Tue 14 July 2020 Pretoria

About the course: The course will expose the attendee to different drilling techniques, the construction and equipping of boreholes for different applications, logging of soil and rock from the drilling process according to acceptable guidelines, ensuring sanitary conditions of new boreholes, and appropriate health and safety considerations.

Who should attend: The course is aimed at SAQA level 8, implying a four-year BSc, BTech or BEng degree in water-related fields.

Accreditation is underway for 1 CPD with SACNASP and ECSA.

Provisional programme: Presentation will be mostly field-based, incorporating theory, field methods, and interpretation.

07:30-08:00 Registration

08:00-10:00 Theory introduction

(drilling techniques; earth material descriptions; construction for supply and monitoring boreholes)

10:20-15:20 Field techniques

(percussion or auger drilling; logging of soil and rock from drilling method; borehole inspection)

15:40-17:00 Closing

(Interpretation, reporting, discussion)

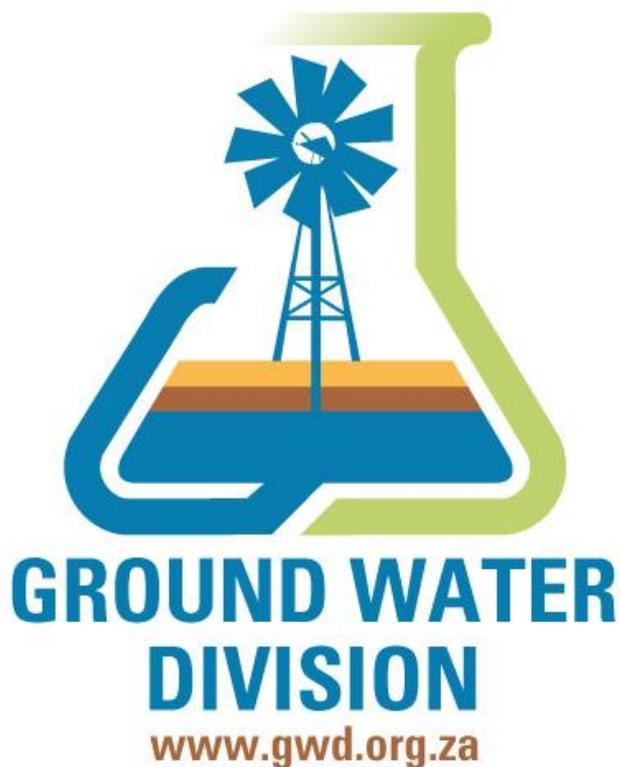
Presenters will be announced but, and will include professionally qualified and experienced hydrogeologists associated with the GWD or IAH.

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Groundwater Field School: Hydraulic and Tracer Testing Wed 15 July 2020 Pretoria

About the course: The course will expose the attendee to different hydraulic tests employed for the vadose (unsaturated) and phreatic zones based on tests practised, and the interpretation and application of these test results. Test methods include infiltration and percolation tests, slug and bail-down tests, pumping tests, tracer tests.

Who should attend: The course is aimed at SAQA level 8, implying a four-year BSc, BTech or BEng degree in water-related fields.

Accreditation is underway for 1 CPD with SACNASP and ECSA.

Provisional programme: Presentation will be mostly field-based, incorporating theory, field methods, and interpretation.

07:30-08:00 Registration

08:00-10:00 Theory introduction

(distribution of water; hydraulic testing; hydraulic parameters; tracers; guidelines)

10:20-15:20 Field techniques

(double ring infiltration; auger hole percolation; borehole slug testing; pumping and tracer testing)

15:40-17:00 Closing

(Interpretation, reporting, discussion)

Presenters will be announced but, and will include professionally qualified and experienced hydrogeologists associated with the GWD or IAH.

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