

Program



NATIONAL CENTRE FOR
GROUNDWATER
RESEARCH AND TRAINING

Introduction to Pumping Test Analysis
Adelaide
Monday, Day 1 - 15th November

TIME		THEME/TOPIC	PRESENTER
8.15		Registrations and Coffee	
8.30	1	Welcome Course Introduction Pumping Test Terminology <ul style="list-style-type: none"> Description and definition of the terminology related to pumping test analysis 	Kate Holder
9.15	2	Pumping Test Types <ul style="list-style-type: none"> Pumping test types and application 	Kate Holder
9.45	3	Pumping Test Fundamentals <ul style="list-style-type: none"> Conceptual models used for pumping test analysis steady state v transient time drawdown and distance drawdown effect of hydraulic parameters on drawdown diagnostic plots 	Mike Dudding
10.30		Morning Tea	
10.45	4	Pumping test Design <ul style="list-style-type: none"> Key factors for pumping test design, drawdown prediction tools 	Kate Holder
11.45	5	Conducting the Pumping Test <ul style="list-style-type: none"> Equipment requirements final pumping rate selection common problems 	Mike Dudding
12.45		Lunch	
13.30	6	Pumping Test Analysis Tutorial <ul style="list-style-type: none"> Traditional 'match point' methods Cooper-Jacob solution 	Mike and Kate Holder
15.30		Afternoon Tea	
15.45	7	Pumping Test Analysis Tutorial <ul style="list-style-type: none"> Intro to Aqtesolv Aqtesolv analysis for confined and semi-confined aquifers including derivation of aquitard vertical hydraulic conductivity (kv) 	Mike Dudding
17.00		End Day 1	

Introduction to Pumping Test Analysis Adelaide Tuesday, Day 2- 16th November



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TIME		THEME/TOPIC	PRESENTER
8.30	8	Pumping Test Analysis Tutorial <ul style="list-style-type: none">• Aqtesolv analysis: unconfined aquifers, step drawdown analysis aquifer boundaries• drawdown prediction using Aqtesolv	Mike Dudding
10.30		Morning Tea	
10.45	9	Case Studies <ul style="list-style-type: none">• analysis and discussion of real world examples	Mike Dudding
12.45	10	Close out Summary of learnings	Mike Dudding and Kate Holder
13.00		End of course	

Participants will need to bring:

- **Laptops** (with AQTESOLV demo or full version installed) Please visit:
<http://www.aqtesolv.com/demo.asp> to download the Aqtesolv Demo prior to the course.
- **Pencil**
- **Rubber**
- **Calculator (standard)**