

Groundwater for Decision Makers Courses



Established in 1987, the Centre for Groundwater Studies (CGS) has now merged with the National Centre for Groundwater Research and Training (NCGRT).

When	Where
4th Groundwater for Decision Makers Course Tuesday 30 th March 2010	Novotel Perth Langley, 221 Adelaide Tce, PERTH WA
5th Groundwater for Decision Makers Course Wednesday 23 rd June 2010	Mercure Sydney, 818-820 George St, SYDNEY NSW
6th Groundwater for Decision Makers Course Wednesday 14 th July 2010	Novotel Melbourne on Collins, 270 Collins St, MELBOURNE VIC
7th Groundwater for Decision Makers Course Wednesday 4 th August 2010	Novotel Darwin Atrium, 100 The Esplanade, DARWIN NT

Who should attend

This single day course is designed for non-specialists who require a basic understanding of groundwater-surfacewater processes, behaviour and management and staff who will interact with groundwater professionals in consulting, research, and public authorities. Previous attendees include; lawyers, accountants, policy-makers, water managers, providers and regulators. No hydrogeologic knowledge will be assumed.

Course Outline

- **How important is groundwater?** Global and local water balances, types of aquifers and surfacewater flow. How surfacewater and groundwater interacts
- **How is groundwater stored and how does it move?** Hydrogeology; aquifer hydraulics; interpreting monitoring data (observation wells and piezometers) and aquifer testing
- **How much groundwater is there?** Sustainable groundwater yields; groundwater dependent ecosystems; water quality issues; nutrients and salinity
- **Water Rights and Water Law:** Rationale for water entitlement transferability; Historic and Contemporary Transferability
- **The National Groundwater Action Plan**
- **The Water Act**
- **Interaction of Groundwater and Surfacewater:** Policy Drivers; Framework and tools to assess connectivity
- **Groundwater Management:** At both aquifer and paddock level

Expected Outcomes

- Understand groundwater terminology, processes and concepts
- Know the policy issues effecting groundwater management

Course Leaders

Tony Laws - Dept Water WA, will lead the course with a team of highly regarded groundwater professionals including: **Rick Evans** - SKM; **George Gates** and **Mike Williams** – NSW Department Water & Energy, **Peter Hyde** - National Water Commission; **Alex Gardner** UWA; **Janice Gray** UNSW.

Course Fees

AU\$880 (incl GST) includes: notes, tuition, morning and afternoon tea, and lunch.

Accommodation

Attendees are to **arrange own accommodation**.

*If you mention that you are part of this Course, you **may** be eligible for an accommodation discount at the course venue.*

4th Groundwater for Decision Makers Course

Novotel Perth Langley, 221 Adelaide Tce, PERTH WA

Ph: +61 8 9221 1200 **Fax:** +61 8 9221 2830 **Email:** h1764@accor.com

5th Groundwater for Decision Makers Course

Mercure Sydney, 818-820 George St, SYDNEY NSW

Ph: +61 2 9217 6666 **Freecall (AUS):** 1800 633 948 **Fax:** +61 2 9217 6616 **Email:** h2073@accor.com

6th Groundwater for Decision Makers Course

Novotel Melbourne on Collins, 270 Collins St, MELBOURNE VIC

Ph: +61 3 9667 5800 **Freecall (AUS):** 1300 656 565 **Fax:** +61 3 9667 5805 **Email:** h1587@accor.com

7th Groundwater for Decision Makers Course

Novotel Darwin Atrium, 100 The Esplanade, DARWIN NT

Ph: +61 8 8941 0755 **Fax:** +61 8 8981 9025 **Email:** H1748@accor.com

Government of **Western Australia**
Department of **Water**

THE UNIVERSITY OF
WESTERN AUSTRALIA

Australian Government
National Water Commission

NSW GOVERNMENT | Office of Water

Australian Government
Geoscience Australia

SKM
Achieve remarkable success
Our commitment to clients

AWA
members
receive a
5% discount

To register please see over leaf.

For more information contact: **Phone:** +61 8 8201 5632 **Fax:** +61 8 8201 5635
Email: industrytraining@groundwater.com.au **Web:** www.groundwater.com.au/industrytraining

REGISTRATION FORM / TAX INVOICE

ABN: 65 542 596 200

Please register early by faxing this form to **FAX: +61 8 8201 5635**

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TITLE: FIRST NAME: SURNAME:

EMAIL: NB: Most communication will be via email

JOB TITLE:

COMPANY:

DEPARTMENT:

ADDRESS (Postal):



CITY: COUNTRY/STATE: POSTCODE:

PH: MOB: FAX:

WEB:

DIETARY REQUIREMENTS:

Fees – AU\$

Course Title	Course Fee Includes GST	
4 th Groundwater for Decision Makers, Tuesday 30 th March 2010 WA <i>Early bird before Friday 12 Feb</i> <i>After Friday 12 Feb</i>	<input type="checkbox"/> \$ 880.00 <input type="checkbox"/> \$ 990.00	 
5 th Groundwater for Decision Makers, Wednesday 23 rd June 2010 NSW <i>Early bird before Friday 7 May</i> <i>After Friday 7 May</i>	<input type="checkbox"/> \$ 880.00 <input type="checkbox"/> \$ 990.00	
6 th Groundwater for Decision Makers, Wednesday 14 th July 2010 VIC <i>Early bird before Friday 28 May</i> <i>After Friday 28 May</i>	<input type="checkbox"/> \$ 880.00 <input type="checkbox"/> \$ 990.00	
7 th Groundwater for Decision Makers, Wednesday 4 th August 2010 NT <i>Early bird before Friday 18 Jun</i> <i>After Friday 18 Jun</i>	<input type="checkbox"/> \$ 880.00 <input type="checkbox"/> \$ 990.00	
Less (choose 1 option only): <input type="checkbox"/> 5% discount on *Course Fee only for IDA, IAH, AWA, NZHS, SIA, ACLCA Members (Member No.....) <input type="checkbox"/> 10% discount on *Course Fee only for NCGRT, NCED Partner Staff (Partner name.....) <input type="checkbox"/> 15% discount on *Course Fee only for Full-time Students (Institution name.....)	-\$	
TOTAL AU\$	\$	

PAYMENT – Please select payment method below:

ABN: 65 542 596 200

1. Credit Card Please debit my: Visa Mastercard

Card Number: _____

Cardholder's Name: _____ Signature: _____

Expiry Date: ___ / ___ / ___

2. Cheque Payable to: **"NCGRT Groundwater Industry Training"**
 Addressed to: NCGRT Groundwater Industry Training, Attn: Glenys Flight
 GPO Box 2100,
 ADELAIDE, SA 5001, Australia

3. Please send me a Tax Invoice Purchase order number:



Terms, Conditions, Transfers and Cancellations for all NCGRT Groundwater Industry Training:		
<p>1 CONFIRMATION letter will be sent to all participants prior to a course. Participants must have received their confirmation letter before attending a course.</p> <p>2 TRANSFER of your registration to a different course must be made in writing. This will incur an additional administration fee of \$220.</p>	<p>3 CANCELLATIONS must be made in writing. Then the following terms will apply:</p> <p>a. Less than 3 business days before a course: No refund</p> <p>b. Between 3 business days and 3 weeks before a course: 50% refund</p> <p>c. More than 3 weeks before a course: Refund of the course fee minus an administration fee of \$220</p> <p>d. However, to avoid loss of the course and administration fees, a substitute attendee is welcome, by submitting a new Registration Form</p>	<p>4 If attendees CANCEL Field Trips, generally no refund will be paid.</p> <p>5 While every attempt will be made to deliver courses as advertised, we reserve the right to cancel a course at short notice for conditions beyond our control. Notification of any such cancellation will attract a refund.</p>

For more information contact: **Phone: +61 8 8201 5632 Fax: +61 8 8201 5635**

Email: industrytraining@groundwater.com.au Web: www.groundwater.com.au/industrytraining

Web