



# International Association of Hydrogeologists

WESTERN AUSTRALIAN BRANCH

**Tuesday 27<sup>th</sup> September 2005 Meeting**

**“The truth about Groundwater age”**

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**Sponsored by IAH**

The residence time or "age" of groundwater is one of the most fundamental properties of a groundwater flow regime, and the basis for various methods of characterizing groundwater flow rates in the subsurface. Groundwater age is taken simply as the length of time groundwater spends as it moves along an aquifer from recharge to its current position. Age is such an elementary and intuitive concept that modern hydrology texts typically do not even define it, moving directly to discussing techniques for estimating it.

But what if our concept of groundwater age is broadly incorrect? In this talk, I present a simple but rigorous analysis of the concept of age that leads to a number of surprising but useful results. As I will show, the analysis provides opportunities to better define geochemical age dating and can be used to derive more information about the nature of groundwater flow regimes.

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<b>VENUE</b>	<b>Celtic Club, 48 Ord Street, West Perth</b>
<b>DATE</b>	<b>Tuesday 27 September 2005</b>
<b>TIME</b>	<b>6-7pm (light refreshments from 5.30)</b>
<b>PARKING</b>	<b>Street parking or Thomas Street Car Park</b>

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***ALL WELCOME***