



Environmental and Water Resource Software

## PC Subsoil Version 1 for Subsoil Drainage\*

### ORDER FORM

Name: \_\_\_\_\_

Company / Government Department Name: \_\_\_\_\_

Email Address: \_\_\_\_\_ Phone No. : \_\_\_\_\_

Invoicee Details: \_\_\_\_\_

Purchase Order No. : \_\_\_\_\_

Price (ex GST): \$5,900 for 1 year registration, with User Manual.

- JDA will send a reminder for annual renewal of registration.
- JDA will advise availability of program updates.

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

Please email Order Form to [info@jdahydro.com.au](mailto:info@jdahydro.com.au)

- JDA will issue invoice on receipt of completed form.
- JDA will issue PC Subsoil Version 1 on receipt of payment.

\* PC Subsoil is new software for the analysis of subsoil drainage in Western Australia and allows the user to calculate groundwater mounding under a range of conditions including: rainfall recharge, subsoil drain spacing, imported fill hydraulic conductivity, and whether natural the soil below the drains is permeable or impermeable.

The newly developed PC Subsoil Version 1 by JDA Consultant Hydrologists incorporates:

- Future Median Climate (FMC) rainfall scenario 2016 to 2045 consistent with Selection of future climate projections for Western Australia by Department of Water (2015);
- Calculation of groundwater mounding at the centre point between parallel subsoil drains for annual exceedance probabilities (AEP) of 50%, 20% and 10% together with annual maximum and annual minimum mounds consistent with IPWEA Specification Separation Distances for Groundwater Controlled Urban Development (2016);
- Rainfall recharge between 20% and 100% spatially uniform;
- Parallel subsoil drain spacing between 30m and 200m;
- User defined Imported sand fill hydraulic conductivity between 1 to 10 m/day;
- Impermeable or permeable soil beneath subsoil drain invert.

For more information about JDA services go to [www.jdahydro.com.au](http://www.jdahydro.com.au)