

## Customised courses

A customised, in-house course can be much more effective for your organisation – both in terms of time and cost – than an open course held at an external facility.

Customised courses are provided for a fixed fee, regardless of the number of attendees, so the cost per person decreases with each attendee.

**Contact [info@surfacewater.biz](mailto:info@surfacewater.biz)  
or ring 0400 367 542 for more info.**



**Surface Water  
Solutions**

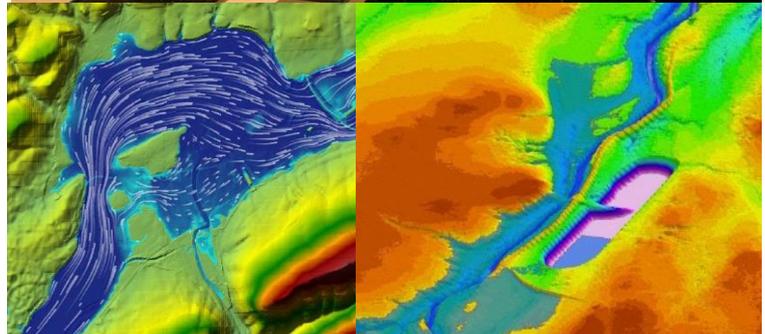
[www.surfacewater.biz](http://www.surfacewater.biz)

## Course outline

Courses can be broken into separate modules for different group sizes. Courses can include any combination of class sizes specifically tailored to your needs, such as:

- Introduction and demonstration for a larger group, including modellers, managers, and discipline leaders
- General workshop covering basic model setup for general technical staff
- Detailed workshops covering specific applications for smaller, focussed teams
- One-on-one individual troubleshooting and instruction

Project examples and case studies can be taken from your organisation's current or proposed projects.



## Technical content

Courses can be customised to focus on the individual needs of your organisation. These might include interactive workshops and lectures covering:

- Dam breach
- 1D bridge elements
- Floodplain risk assessment
- Hazard classification
- Water quality studies
- Sediment transport and geomorphology
- Bank erosion modelling
- Development impacts
- Water sensitive urban design
- Hydraulic structures
- Coastal and marine environments
- TUFLOW model conversions
- Reviewing consultant deliverables
- HEC-RAS Controller
- Interface with other software
- Monte Carlo analyses

## About the instructor

Krey Price is a civil engineer and project manager with an international background in water resources and river mechanics. His career includes 15 years spent developing hydraulic models for the U.S. Army Corps of Engineers along with the design, construction, and inspection of levees, breakwaters, and dams. Krey has extensive software development and lecturing experience and has recently provided training to over 100 course attendees using the newly released HEC-RAS 5.0 software.

Since moving to Australia seven years ago, Krey has worked as an expert consultant for public and industrial clients across Australia, including the development of detailed hydrologic, hydraulic, water quality, and sediment transport models to simulate mine closure pit inflow scenarios and landform erosion over periods of up to 10,000 years. Krey has served as an invited keynote speaker at industry forums; he has presented research and findings at over thirty international water conferences and has authored or co-authored over fifty technical papers, including peer-reviewed papers on hydraulic structures, river sedimentation, dam breaching, and stormwater management techniques.

Krey's early career included programming, code-writing, and compiling sediment transport software to interface with HEC applications. Krey has developed hundreds of HEC-RAS models for worldwide applications and recently supervised a one-year benchmarking study on over 200 model runs comparing the HEC-RAS 5.0 to TUFLOW and other industry-standard hydraulic modelling software, applying both steady and unsteady flows in 1D, 2D, and coupled 1D/2D models.