

HEC-RAS Open Channel Modelling

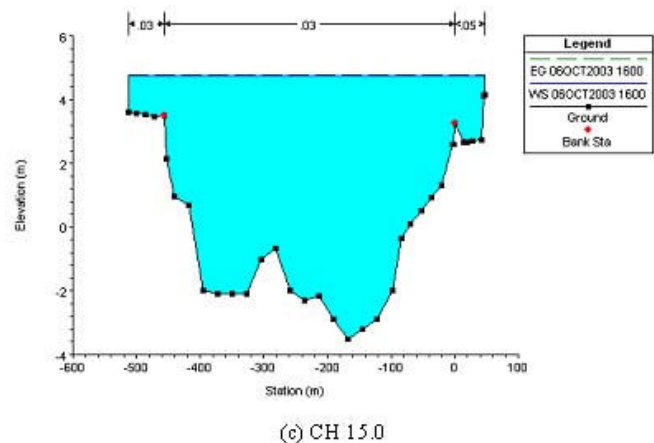
"Steve's style is hands-on and interactive. You can participate in the course to ensure maximum learning"

Brett Disley, Senior Modeller, Woods, Auckland

Course Details

HEC-RAS is free software tool that is extensively used throughout New Zealand. This course is designed to get in-experienced engineers and surveyors up-and-running so they can have confidence in running the software.

A class case study will be undertaken to ensure participants learn how to start from a blank piece of paper and produce results sufficient to support resource consents or have the knowledge to review external consultants work where necessary.



Elements include;

- Strengths and weaknesses of HEC-RAS
- Setting up a network
- Cross-section input
- Floodplain analysis
- Culverts and bridges
- Steady state flow analysis
- Result interpretation and checking

If you bring your own laptop you will be able to do the case study by yourself but this is not compulsory.

Who Should Attend

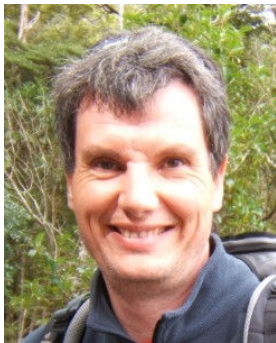
Graduate engineers

Part-time modellers who want to develop skills using free software

Survey technicians who want to up-skill

Each course will satisfy at least 3 core competency standards for IPENZ Continuing Professional Development

Course Leader



Dr Steven Joynes

Steven has 26 years experience in developing, utilising and managing water modelling projects. Starting Hydraulic Modelling Services Ltd in 1992 this company has now serviced over 20 local and regional councils in New Zealand as well as numerous civil engineering and surveying companies.

He was the inaugural chairman of the Modelling Special Interest Group within Water New Zealand for 2 years.

Selling his business in 2005 he has set up Golovin in 2008. This company is dedicated to best-practice methods in water modelling which includes the development of the Modelling Policy Statement, peer review structures and training programmes.

Steven attends numerous conferences and seminars throughout New Zealand and Australia as both a speaker and to keep abreast of new developments.

Course Locations

Auckland	25 February	Early bird cut-off	4 February
Hamilton	25 March		4 March
Tauranga	3 May		12 April
Napier	3 June		13 May
Wellington	11 March		17 February
Christchurch	20 May		29 April
Queenstown	8 April		18 March