

Basins Environmental Ltd

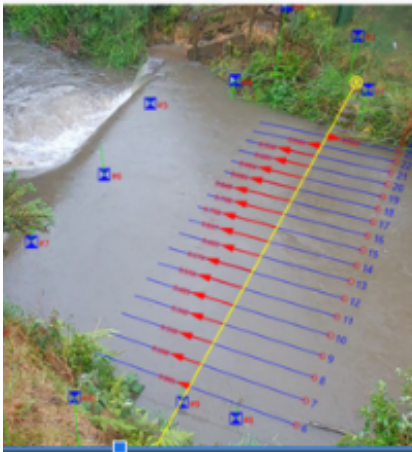
Hydrology and Water Quality Training Courses

Nicholas Holwerda, BSc, Dip Hydrology, Basins Environmental Ltd,
nick@basinsenvironmental.co.nz 0212414463

Surface Velocity for Discharge Measurements using Hydro STIV

Course Overview

This course will introduce students to surface velocity measurements using video imagery for discharge calculation. This course is aimed at staff who have not been introduced to the technology or University students wanting to expand their knowledge.



Course outline

- Three day course
- Day 1: Theory, background, equipment choice, field day
- Day 2: Field day using fixed cameras and drones, surveying in sites and control points
- Day 3: Practical office based exercises based on field data collection in Hydro STIV software

Participants requirements

Course attendees are not required to have access to their organisation's Hydro STIV licence key. We provide temporary access for the training. A basic understanding of discharge measurement would be beneficial.

Course Details

- STIV History
- Cameras and equipment choices
- Health and Safety, CCTV rules
- Drones and flight plans
- Recording requirements
- RTK surveying and site surveying
- Sites selection
- Alpha coefficient
- Software use, data management and processing

Costs:

\$1450.00 excluding GST per participant

This is subject to a minimum number of 6 attendees

Note: A RTK GPS can be hired if required. Note this could incur further costs depending on the number of attendees and location of the course

Course location options:

Auckland, Hamilton, Taupo, Napier, Wellington, Nelson and Christchurch. Other locations can be arranged on a case by case basis. We can also host the training at an organisation's own venue which may reduce the per person cost.

Exclusions:

All meals, travel to and from the course location, field day travel, RTK GPS hire

Basins Environmental Ltd have designed this course to align with the National Diploma in Field Hydrology. This course is not a prerequisite required to complete the diploma. However evidence of this training can be used in conjunction with your evidence for on the job training records.