

## How to create a login for FloCal:

1. Go to [www.seec.com.au](http://www.seec.com.au) and click on FloCal in the top right of the screen.
2. Click on the link in the centre of the page: **Training Course Participants Subscribe to FloCal here >**

SEEC's FloCal is a powerful tool designed in Australia to aid in the design of temporary stormwater channels. It has a user-friendly interface and has been developed for erosion control works with small catchments and, in particular, for the design of minor excavated channels using products listed in the "Blue Book" (Landscom, 2004).

FloCal is not intended for use in natural or major excavated channels.

The program will help you to:

- quickly and accurately determine flow depths and velocities in a constructed channel;
- quickly assess various channel widths and depths to facilitate better design;
- assess channel lining properties for safety and stability in the design storm; and
- design temporary stormwater channels for construction sites that comply with local regulations.

Reports can be previewed, printed to your default printer, saved as a PDF file or copied and pasted into your favourite text editor. Using SEEC's FloCal you can minimise the erosion risk in temporary channels and get it right first time.

**Free 30 Day Trial or Full Subscription**

You can trial FloCal for 30 days at which point it will prompt you to upgrade to a Full Subscription. Alternatively you can subscribe now by following the links. Pay by your credit card or using your PayPal account.

If you have a discount code from one of our erosion and sediment control courses then please follow the 'Full Subscription' subscribe link and use it at the checkout (it will allow this subscription).

**Training course participants subscribe to FloCal here >**

Thanks for your interest - we trust you'll find FloCal useful.

**Free Trial**  
AU \$0  
30 DAYS

You may use FloCal free for 30 days at which point you will be prompted to upgrade to a Full Subscription. If you have a discount code from one of our courses please go directly to Discount Subscription.

**Subscribe**

**Full Subscription**  
ONCE-OFF \$80 FEE PLUS \$20/YEAR SUBSCRIPTION

FloCal is available for a one-off fee of \$80 plus an annual subscription of \$20 (both inclusive of GST). After one year you will receive an email asking if you would like to renew the subscription for another year (\$20). If you have a discount code from one of our courses please go directly to Discount Subscription.

**Subscribe or Upgrade**

3. Create a username for yourself and fill in the various fields.
4. Enter the discount code **supplied with your course confirmation email** and click **Apply**. The subscription price should change to zero.
5. Click **Register**.
6. Once you've registered you'll be able to open the FloCal Calculator from the menu in the top right of the screen.

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### FloCal for Storm Water Design

Log out

**Introduction:**

FloCal will enable you to quickly choose suitable channel dimensions and/or suitable lining(s) to ensure the channels are stable. If the channels are accessible to the public you can also determine the safety factor during the design flow (it should be less than 0.4). Reports can be produced for all three options so you can keep a written copy.

There are three design options, all of which are based on the Manning's Formula:

- Option 1 Usage Details + Calculate water depth ( $y$ ) and velocity ( $V$ ) for a range of base widths.
- Option 2 Usage Details + Calculate base width ( $b$ ) and depth of flow ( $y$ ) for a range of velocities.
- Option 3 Usage Details + Manning's Equation Calculator (for  $Q, V, b, y, S, n$ ).

**Select Calculation**

- Option 1: Calculate water depth ( $y$ ) and velocity ( $V$ ) for a range of base widths
- Option 2: Calculate base width ( $b$ ) and depth of flow ( $y$ ) for a range of velocities
- Option 3: Manning's Equation Calculator (for  $Q, V, b, y, S, n$ )

**Channel Properties**

Base width,  $b$  (m)  
2.00

**Selected Channel Lining Properties**

Material