

Source Catchments Public Release Notes for version 2.0.4.

The following notes refer to public release version 2.0.4 of Source Catchments. They give useful technical background including help with installation and the system configuration required. Please read these before using the software. A number of minor issues that have been reported are listed and you are encouraged to take note of these.

Need help with Source Catchments?

- Have you consulted the User Guide for Source Catchments? It is available from the Help menu within Source Catchments v2.0.4.
- Have you tried pressing F1 or the Help button while working through the Scenario Wizard? It will display information for that stage of the wizard.
- Contact eWater Support on
 - support@ewater.com.au
 - Ph: 1300 592 837

System Configuration

System Requirements

The Software may only be installed and used on personal computer equipment, including an individual computer, which meets the following system requirements:

- Computer administration rights are required to install the software. Running the software does not require administration rights by the user.
- The software is compatible with Windows XP (with service pack 3) or Windows 7; 32-bit or 64-bit versions (Note, we do not guarantee that the software is compatible with Windows Vista operating system so we do not recommend use on this operating system).
- An Intel Pentium III, 3 GHz processor or faster
- A minimum screen resolution of 1024 X 768 at 8-bit (256) colours (preferably 16-bit);
- 100 MB of hard drive space is required for installation. However, the system will run more efficiently with at least 8 GB of free hard drive space.
- A minimum of 2 GB of RAM, 4 GB is recommended; and
- Access to the internet is desirable for easy registration of the software.

Prerequisite software (Mandatory)

- .NET Framework 3.5 and .NET Framework 3.5 service pack 1

You can only have one version of Source Catchments installed at a time. If you have another version installed on your PC, you must first uninstall that version before you can install a different version. The software can only be run locally and cannot be installed on a server or accessed remotely except by eWater Partners.

Enhancements and code corrections

- A change was made to the Climate Data Import Tool to improve compatibility with file/folder pathways for computers using Windows 7 operating systems. The tool will now search for spatial climate files (ASCII grids) using the correct file path.
- The Load-based Sediment and Nutrient Delivery Ratio filter models have been corrected to only filter the constituents within the quickflow component of runoff, leaving constituents in the slowflow unchanged (previously, the filters set slowflow constituents to zero).

Current known issues

- For rainfall-runoff, constituent, filter or link parameter assignment: When parameter sets are applied to models the parameter sets data is saved, but not the parameter sets. Therefore, when closing a project parameter sets are no longer visible in the "Parameter set" drop down menu and will need to be re-created.
- When adding a node or link model to an existing project, the new model does not automatically record constituents.
- When adding a storage to a link, the Project explorer displays the storage model as a node model located at the node at the downstream end of the link where the node model was added.
- Sub-catchments cannot be renamed in the project hierarchy and consequently selecting the sub-catchment does not highlight in geographic view
- There is flickering of project name in Project Explorer and the Save prompt hangs when closing (and saving) a very large project. This does not affect the project, but could be misconstrued as the software is crashing.
- There is a problem with a third-party software (called SharpZipLib) in the way that it handles zipping files that have no data (of 0 size). The zipping step was malfunctioning under these conditions and throwing a "crc was XXXX (some number), but I expected YYYY (some number)" error. We have implemented a solution to handle the original error within Source Catchments and provide a meaningful message and instructions on how to salvage the project by manually zipping the contents of the temp file that Source Catchments temporarily "saves" data to. The original error still needs to be dealt with via consultation with the third-party software developers. The error does not occur very frequently, so we believe few users will be affected.
- Digital Elevation Model (DEM) based network generation (step 2 of the standard Wizard to set up a new scenario): assignment of "values" when loading a node file for output locations does not transfer those values through as the names of the nodes in the project explorer. Therefore, the nodes are reverted to the default "Generated node name #" rather than the "value" that they should have been assigned from the source file. An error is also displayed when trying to run the scenario. It is recommended to select the "Labels" option when importing a node file.
- When exporting a shapefile from the Geographic view, there is no label displayed for selecting sub-catchment boundaries. The label is only missing, but the sub-catchment boundaries can still be exported by clicking on the white space above the Network option.

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- Cancel functionality for links and node model assignment does not cancel out any changes made to the window.
- Cannot drag and drop from graph window or a .csv file to the Data Calculator, Data Unit Converter or the RAP tools (plugins)
- Cannot set log scales on new graph form when data has at least one zero or negative value
- Cannot manually adjust the min or max of secondary y axis; only provides option to change primary y axis
- When the units are changed in the graph tab on the graph tool, the y-axis changes correctly, but the label does not change to the new units.
- Scenario Test Builder plugin is non-operational in this release.

We are committed to continually improving the software and encourage you to report any software bugs. Please see the “providing feedback on software bugs” section in chapter 1 of the Source Catchments User Guide for details.

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