Stream/road map files

Required when a stream and road network is specified.

Name:

User-specified

Read by:

`channel_grid_read_map()`

Format:

ASCII

Purpose:

The stream/road map maps segments defined in the file with the stream/road network to individual DHSVM cells.

Comments:

The file format is relatively free. Data for a single class is expected to be on a single line, with spaces or tabs separating individual values. Integer fields can **not** contain a decimal point; float fields may or may not have a decimal point. However, float fields cannot be in an engineering or scientific format (that is 1e-7), they must typed out as decimal numbers. Comments can be inserted. A comment is considered any portion of a line following a pound sign (#).

Details:

The files consist of up to six fields per line, specified in the following order:

Column number	cell grid column number (integer, 0 to Ncol-1, start at W)	<required>
Row number	cell grid row number (integer, 0 to Nrow-1, start at N)	<required>
Channel ID	channel segment identifier, which must be one of those specified in the file with stream/road channel network (integer)	<required>
Length	straight-line length of the channel segment lying within the cell in meters (float)	<required>

Depth	road cut depth or stream bank height in meters (float)	<required>
Width	effective road cut width or stream channel width in meters (float)	<required>
Azimuth	azimuth in degrees from north of the straight-line length of segment within cell; required for roads but not used for streams (float)	required for road network
Sink indicator	outflow from this segment will be returned to the cell if the keyword SINK appears in this field (string)	