
Command Reference: ReadWellStationsFromList()

Read well stations data from a list file

StateMod Command

Version 4.00.00, 2016-05-19

The `ReadWellStationsFromList()` command reads a list of well stations from a delimited list file and defines well stations in memory. The well stations can then be manipulated and output with other commands. Reading from a list is more general than reading from a StateMod file.

The following dialog is used to edit the command and illustrates the syntax of the command.

The screenshot shows a dialog box titled "Edit ReadWellStationsFromList() Command". It contains the following text and controls:

This command reads well stations from a list file containing columns of information.
A well station can be one of the following:
1) location where only groundwater supply is used to meet demand
2) location where groundwater supply supplements surface water (diversion) supply to meet demand.
In this case, see also diversion stations that are supplemented by well pumping -
both diversion and well stations must be defined and the Diversion ID must be specified for the well (see below).
Columns should be delimited by commas (user-specified delimiters will be added in the future).
Identifiers and names (and in some cases other information) can be read - most subsequent commands only need a list of identifiers.
It is recommended that the location of the file be specified using a path relative to the working directory.
The working directory is: C:\owf-gitrepos\cdss-app-statedmi\test\regression\commands\ReadWellStationsFromList

Controls and fields:

- List file:
- ID column: Required - column (1+) for ID.
- Name column: Optional - column (1+) for name.
- Diversion ID column: Optional - column (1+) to link the well to a diversion location.
- Top (limit rows): Optional - limit read to top N rows (default=read all).
- Command:

Buttons at the bottom:

ReadWellStationsFromList

ReadWellStationsFromList() Command Editor

The command syntax is as follows:

```
ReadWellStationsFromList (Parameter=Value,...)
```

Command Parameters

Parameter	Description	Default
ListFile	The name of the list file to be read.	None – must be specified.
IDCol	The column number (1+) containing the well station identifiers.	None – must be specified.
NameCol	The column number (1+) containing the well station names.	None – optional (name will be initialized to blank).
DiversionIDCol	The column number (1+) containing the diversion identifiers associated with the well stations. This is needed in some cases to determine when a location is a diversion with supplemental well supply, for example, when processing well rights.	None – optional (diversion ID will be initialized to blank).
Top	Specify the number of rows to read, useful for testing.	Read all rows.

At a minimum, the list file must contain a column with well station identifiers. Lines starting with the # character are treated as comments. If the first line's values are surrounded by double quotes, the line is assumed to indicate column headings.

A sample list file is shown below:

```
#
# sp2007L_AugRchWells.csv
#
#-----
# rrb Augmentation and recharge wells from SmOpr
#      SmOpr
#      State of Colorado
#      Version: 1.00
#      Last revision date: 2006/10/27
#
# rrb 2008/10/08 count = 17 + 4 21
#
#-----
#
0102522_AuW , "RIVERSIDE AUG          ", ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', 'NA'
0102528_AuW , "FT MORGAN CNL AUG PLAN   ", ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', 'NA'
0102529_AuW , "UPPER PLATTE BEAVER AUG         ", ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', 'NA'
0102535_ReW , "LOWER PLATTE BEAVER AUG         ", ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', 'NA'
0102535_AuW , "LOWER PLATTE BEAVER AUG         ", ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', 'NA'
6402015_ReW , "TAMARAK                          ", ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', 'NA'
6402027_ReW , "OVERLAND                         ", ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', 'NA'
6402518_AuW , "HARMONY Aug Well                 ", ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', 'NA'
6402519_ReW , "DINSDALE AUG                     ", ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', 'NA'
```