
Command Reference: ReadCULocationsFromList()

Read CU Locations data from a list file

StateCU Command

Version 4.00.00, 2016-05-19

The `ReadCULocationsFromList()` command reads a list of CU Locations from a delimited list file and defines CU Locations in memory. The CU Locations can then be manipulated and output with other commands. The identifier column is required.

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

Edit ReadCULocationsFromList() Command

This command reads CU locations from a list file containing columns of information.
A CU Location is a location where water requirement is estimated.
Columns should be delimited by commas.
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\SetWellAggregateFromList

List file:

ID column: Required - column (1+) for station identifier.

Name column: Optional - column (1+) for station name.

Latitude column: Optional - column (1+) for latitude.

Elevation column: Optional - column (1+) for elevation.

Region1 column: Optional - column (1+) for region 1 (e.g., county).

Region2 column: Optional - column (1+) for region 2 (e.g., HUC).

AWC column: Optional - column (1+) for AWC.

Top (limit rows): Optional - limit read to top N rows (default=read all).

Command:
`ReadCULocationsFromList(ListFile="cmstrlist.csv", IDCol=1, NameCol=6)`

ReadCULocationsFromList

ReadCULocationsFromList() Command Editor

The command syntax is as follows:

```
ReadCULocationsFromList (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 CU Location identifiers.	None – must be specified.
NameCol	The column number (1+) containing the CU Location name.	The name will be initialized to blank.
LatitudeCol	The column number (1+) containing the CU Location latitude.	The latitude will be missing.
ElevationCol	The column number (1+) containing the CU Location elevation.	The elevation will be missing.
Region1Col	The column number (1+) containing the CU Location Region1.	The region1 will be initialized to blank.
Region2Col	The column number (1+) containing the CU Location Region2.	The region2 will be initialized to blank.
AWCCol	The column number (1+) containing the CU Location AWC.	The AWC will be missing.
Top	Specify a number of rows to read, useful during testing.	Read all rows.

At a minimum, the list file must contain a column with CU Location 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:

```
#wdid,lat,long,county,huc,name,ceff,fleff,speff,gmode,awc
360645,39.84,-106.35,SUMMIT,14010002,GUTHRIE THOMAS DITCH,1,0.6,0.8,2,0.08
360649,39.78,-106.18,SUMMIT,14010002,HAMILTON DAVIDSON DITCH,1,0.6,0.8,2,0.08
360660,39.8,-106.16,SUMMIT,14010002,HIGH MILLER DITCH,1,0.6,0.8,2,0.12
360662,39.97,-106.38,SUMMIT,14010002,HOAGLAND CANAL,1,0.6,0.8,2,0.12
360671,39.74,-106.13,SUMMIT,14010002,INDEPENDENT BLUE DITCH,1,0.6,0.8,2,0.13
360687,39.77,-106.18,SUMMIT,14010002,KIRKWOOD DITCH,1,0.6,0.8,2,0.08
360709,40.01,-106.38,GRAND,14010002,LOBACK DITCH,1,0.6,0.8,2,0.09
360725,39.82,-106.25,SUMMIT,14010002,MARY DITCH,1,0.6,0.8,2,0.08
360728,39.83,-106.25,SUMMIT,14010002,MAT NO 1 DITCH,1,0.6,0.8,2,0.08
```