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# Command Reference: WriteRiverWare()

## Write time series to a RiverWare format file

Version 11.12.03, 2016-09-16

The `WriteRiverWare()` command writes one time series to the specified RiverWare format file. See the **RiverWare Input Type Appendix** for more information about the file format.

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

**Edit WriteRiverWare() Command**

Write time series to a RiverWare format file, which can be specified using a full or relative path (relative to the working directory).  
The working directory is: C:\owf-gitrepos\cdss-app-tstool-doc\test\regression\UserManualExamples\TestCases\CommandReference\WriteRiverWare  
It is recommended that the file name follow the convention ObjectName.SlotName.  
The time series to process are indicated using the TS list.  
If TS list is "AllMatchingTSID", pick a single time series, or enter a wildcard time series identifier pattern.  
Only the first time series will be written (limitation of file format).

TS list:  How to get the time series to write (default=AllTS).

Identifier (TSID) to match:

RiverWare file to write:

Write header comments?:  Optional - should header comments be written? (default=True).

Units:  Default is time series units. Data are not converted.

Scale:  The default is 1.

Set\_units:  The default is to not write.

Set\_scale:  The default is to not write.

Precision:  Number of digits after decimal (default=4).

Command:  
`WriteRiverWare (TSList=AllTS, OutputFile="08213500.Month.RiverWare", Precision=2)`

WriteRiverWare

**WriteRiverWare() Command Editor**

The command syntax is as follows:

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

### Command Parameters

Parameter	Description	Default
TSList	Indicate how to determine the list of time series to process (only first one is written), one of: <ul style="list-style-type: none"> <li>AllMatchingTSID – process time series that have identifiers matching the TSID parameter.</li> <li>AllTS – process all the time series.</li> <li>SelectedTS – process the time series that are selected (see <code>SelectTimeSeries()</code>).</li> </ul>	None – must be specified.
TSID	Used if TSList=AllMatchingTSID to indicate the time series identifier or alias for the time series to be filled. Specify * to match all time series or use a wildcard for one or more identifier parts. Can be specified with <code>\${Property}</code> notation.	Required if TSList=AllMatchingTSID.
OutputFile	The RiverWare file to write. The path to the file can be absolute or relative to the working directory. The <b>Browse</b> button can be used to select the file to write (if a relative path is desired, delete the leading path after the select). Can be specified with <code>\${Property}</code> notation.	None – must be specified.
WriteHeader Comments	Indicate whether # Comments should be written at the top of the file: True or False	True
Units	The data units to be output. Specify units that are recognized by RiverWare – the units are not actually converted but the new units string is used in the output file.	Use the units in the time series.
Scale	See the <b>RiverWare Input Type Appendix</b> . Time series values are divided by this value on output.	1
Set_units	See the <b>RiverWare Input Type Appendix</b> . If specified, the value is output as provided with no modification to data values.	Set_units is not output.
Set_scale	See the <b>RiverWare Input Type Appendix</b> . If specified, the value is output as provided.	Set_scale is not output.
Precision	The number of digits after the decimal to write.	4

A sample command file to write data from the State of Colorado's HydroBase is as follows:

```
# 08213500 - RIO GRANDE RIVER AT THIRTY MILE BRIDGE NEAR CREEDE
08213500.DWR.Streamflow.Month~HydroBase
WriteRiverWare(TSList=AllTS,OutputFile="08213500.Month.RiverWare",Precision=2)
```