Command Reference: TS Alias = readHydroBase()

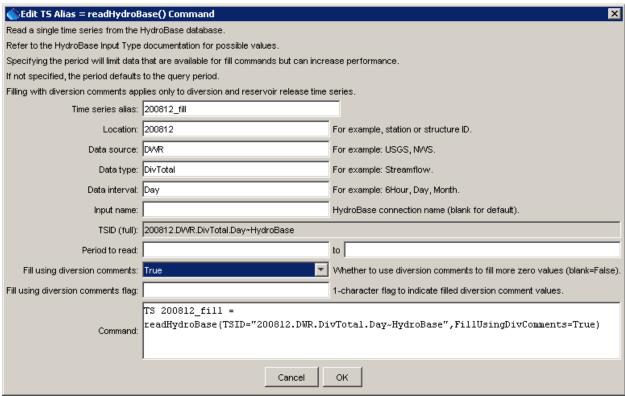
Read a single time series from a HydroBase Database

The TS Alias = readHydroBase() command reads a single time series from a HydroBase database (see the **HydroBase Input Type Appendix**) and assigns an alias to the result. This command should not be confused with the readHydroBase() command that does not use the alias, which reads one or more matching time series from a HydroBase database.

The following special actions occur, depending on data type:

- 1. Daily diversion (DivTotal and DivClass) and reservoir release (RelTotal and RelClass) time series have their values automatically carried forward to fill data within irrigation years (Nov to Oct). HydroBase only stores full months of data when non-zero observations or non-zero filled values occur in a month. Therefore, this filling action should only provide additional zero values. Irrigation years with no observations remain as missing after the read. See the fillHistMonthAverage() command, which is often used to fill completely missing years.
- 2. Daily, monthly, and yearly diversion and reservoir release time series can optionally be filled using diversion comments, which indicate when irritation years should be treated as missing. See the FillusingDivComments parameter below. Note that diversion comments should not conflict with more detailed records but and provide additional information. The older fillusingDivComments() command is also available for filling.

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



TS Alias = readHydroBase() Command Editor

TS_readHydroBase

The command syntax is as follows:

TS Alias = readHydroBase(param=value...)

Command Parameters

Parameter	Description	Default	
Alias	Alias for the new time series that is	None – must be specified.	
	read from the file.		
TSID	A time series identifier to read – see	Currently ignored.	
	the HydroBase Input Type		
	Appendix.		
InputName	The HydroBase database connection	Use the default HydroBase	
	input name to use for the	connection.	
	connection, as initialized in		
	openHydroBase(), which allows		
	reading from more than one		
	HydroBase in the same commands		
	file.		
InputStart	The start of the period to read data –	Use the global input period.	
	specify if the period should be		
	different from the global input		
InputEnd	period.	TT (h1-h-1-h-n4-h1-1	
Прасына	The end of the period to read data –	Use the global input period.	
	specify if the period should be different from the global input		
	period.		
FillUsingDivComments	Indicate whether to fill diversion and	False	
T T T T T T T T T T T T T T T T T T T	reservoir release time series using	raibe	
	diversion comments.		
FillUsingDivCommentsFlag	If specified as a single character,	No flag is assigned.	
	data flags will be enabled for the	Two mag is assigned.	
	time series and each filled value will		
	be tagged with the specified		
	character. The flag can then be used		
	later to label graphs, etc. The flag		
	will be appended to existing flags if		
	necessary.		

A sample commands file is as follows:

TS NorthPoudreDiv = readHydroBase(TSID="0300905.DWR.DivTotal.Day~HydroBase")

lias = readHydroBas	e() Command		TSTool Documentation
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